

adult eyewitness testimony current trends and developments

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Eyewitness Testimony

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Project Advisors

Factors affecting the accuracy of eyewitness testimony [AQA ALevel] - Factors affecting the accuracy of eyewitness testimony [AQA ALevel] by Psych Boost 52,308 views 3 years ago 9 minutes, 56 seconds - If you want to improve your psychological knowledge in a way that is more fun than just studying and trying to memorise, ...

Why eyewitnesses fail | Thomas Albright | TEDxSanDiego - Why eyewitnesses fail | Thomas Albright | TEDxSanDiego by TEDx Talks 72,962 views 7 years ago 15 minutes - Trials often rely on **eyewitness testimony**, but the problem is that eyewitnesses are often wrong. Human vision isn't perfect, our ...

BIAS

CONFIDENCE

NATIONAL ACADEMY OF SCIENCES

Eyewitness Testimony Part 1 - Eyewitness Testimony Part 1 by CBS News 1,017,226 views 15 years ago 13 minutes, 1 second - Lesley Stahl reports on flaws in **eyewitness testimony**, that are at the heart of the DNA exonerations of falsely convicted people like ...

Elizabeth Loftus on Eyewitness Testimony - Elizabeth Loftus on Eyewitness Testimony by The Curious Classroom 60,664 views 10 years ago 17 minutes - Elizabeth Loftus TED talk on the Fiction on Memory.

Test Your Awareness : Whodunnit? - Test Your Awareness : Whodunnit? by dothetest 14,603,916 views 15 years ago 1 minute, 55 seconds - Test your Awareness with Do The Test's Whodunnit. Who Killed Lord Smithe? TFL cycling safety advert! How observant are you?

WHODUNNIT?

Did you notice the 21 changes?

It's easy to miss something you're not looking for

On a busy road this could be fatal

Look out for cyclists

What few people know about the program that "saved" America - Meg Jacobs - What few people know about the program that "saved" America - Meg Jacobs by TED-Ed 463,151 views 2 years ago 5 minutes, 4 seconds - Explore the successes and failures of FDR's **New**, Deal, a set of legislation during the Great Depression which aimed to save the ...

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Dr. Phil's Eyewitness Experiment - Dr. Phil's Eyewitness Experiment by Dr. Phil 86,967 views 14 years ago 1 minute, 45 seconds - How good of an **eyewitness**, do you think youd be? Watch the following video and put your skills to the test. Then click on ...

Brain Games- False Memory and Misinformation Effect - Brain Games- False Memory and Misinformation Effect by Professor Ross 259,066 views 9 years ago 5 minutes, 9 seconds

What No One Realizes About Barron Trump - What No One Realizes About Barron Trump by TheThings Celebrity 4,808,570 views 3 years ago 11 minutes, 31 seconds - SeatGeek is a leading ticket platform that allows you to purchase and sell tickets for major sports, concerts, and events.

Being The ...

Intro

Barron is Melania Trumps only child

Barron is trilingual

Luxurious lifestyle

First presidential son

Sports fan

Little Donald

Love for Golf

He wanted to become a pro golfer

Hes not a sweatpants child

Privacy

Age

Sneaker obsessed

Barron doesnt have a nanny

Looks aren't everything. Believe me, I'm a model. | Cameron Russell | TED - Looks aren't everything. Believe me, I'm a model. | Cameron Russell | TED by TED 29,862,658 views 11 years ago 9 minutes, 38 seconds - Cameron Russell admits she won "a genetic lottery": she's tall, pretty and an underwear model. But don't judge her by her looks.

Outfit Change

How Do You Become a Model

Can I Be a Model When I Grow Up

Do They Retouch All the Photos

Do You Get Free Stuff

What Is It Like To Be a Model

Strange answers to the psychopath test | Jon Ronson | TED - Strange answers to the psychopath test | Jon Ronson | TED by TED 24,190,891 views 11 years ago 18 minutes - Is there a definitive line that divides crazy from sane? With a hair-raising delivery, Jon Ronson, author of The Psychopath Test, ...

How to spot a liar | Pamela Meyer | TED - How to spot a liar | Pamela Meyer | TED by TED 23,218,083 views 12 years ago 18 minutes - On any given day we're lied to from 10 to 200 times, and the clues to detect those lies can be subtle and counter-intuitive. Pamela ...

TRUTH #1: Lying is a cooperative act

Koko the Gorilla

Pattern #2: Body Language Slips

Finding the Hot Spots

Duping Delight

Social Influence: Crash Course Psychology #38 - Social Influence: Crash Course Psychology #38 by CrashCourse 2,728,054 views 9 years ago 10 minutes, 8 seconds - Why do people sometimes do bad things just because someone else told them to? And what does the term Groupthink mean?

Introduction

Milgram's Obedience Experiment

Social Influence & Conformity

Asch's Conformity Experiment

Cultural Expectations & Normative Social Influence

Social Facilitation

Social Loafing

Deindividuation & Group Polarization

Groupthink

Review & Credits

EYE WITNESS TESTIMONY - Loftus & Palmer (1974) Car Crash Experiment - Cognitive Psychology - EYE WITNESS TESTIMONY - Loftus & Palmer (1974) Car Crash Experiment - Cognitive Psychology by Psychology Unlocked 18,692 views 2 years ago 7 minutes, 28 seconds - Eye witness testimony, is a fascinating area where cognitive psychology meets applied psychology, with very real consequences.

A-Level Psychology (AQA) - Eyewitness Testimony and Misleading Information - A-Level Psychology (AQA) - Eyewitness Testimony and Misleading Information by SMCartledge 15,414 views 3 years ago 15 minutes - Covers the effect of misleading information on the accuracy of **eyewitness testimony**,. Includes leading questions and post event ...

Introduction

Key Definitions

Why Do Leading Questions Affect Us?

Post Event Discussion

Key Study - Loftus and Palmer (1974)

Evidence Against Memory Conformity

Evidence against Substitution One imitation of the substitution explanation is that eyewitness testimony is more accurate for some aspects of an event than for others.

How To Make Eyewitness Testimony More Reliable - How To Make Eyewitness Testimony More Reliable by SciShow Psych 59,208 views 5 years ago 5 minutes, 9 seconds - Eyewitness testimony, can be really important when investigating crimes, but how can we make them more reliable? Hosted by: ...

Scott Fraser: The problem with eyewitness testimony - Scott Fraser: The problem with eyewitness testimony by TED 217,355 views 11 years ago 20 minutes - Scott Fraser studies how humans remember crimes -- and bear witness to them. In this powerful talk, which focuses on a deadly ...

Social influence and eyewitness testimony | Elizabeth Brimacombe | TEDxVictoria - Social influence and eyewitness testimony | Elizabeth Brimacombe | TEDxVictoria by TEDx Talks 21,696 views 9 years ago 12 minutes, 46 seconds - This talk was given at a local TEDx event, produced independently of the TED Conferences. Did you know that memory is ...

Improving the accuracy of eyewitness testimony [AQA ALevel] - Improving the accuracy of eyewitness testimony [AQA ALevel] by Psych Boost 32,675 views 3 years ago 7 minutes, 2 seconds - If you want to improve your psychological knowledge in a way that is more fun than just studying and trying to memorise, ...

How reliable is your memory? | Elizabeth Loftus - How reliable is your memory? | Elizabeth Loftus by TED 2,296,551 views 10 years ago 17 minutes - Psychologist Elizabeth Loftus studies memories. More precisely, she studies false memories, when people either remember ...

ELIZABETHLOFTUS

Cult Ritual Abuse Exists

Emotion

How reliable is eyewitness testimony? - How reliable is eyewitness testimony? by National Science Foundation News 135,078 views 8 years ago 4 minutes - Eyewitness testimony, -- it's often thought of as solid evidence in criminal cases, but researchers including Iowa State University's ...

Neil deGrasse Tyson On The Flaws Of Eyewitness Testimony = Neil deGrasse Tyson On The Flaws Of Eyewitness Testimony by YouAreNOW 33,347 views 2 months ago 1 minute – play Short - Neil deGrasse Tyson On The Flaws Of **Eyewitness Testimony**, Ready to rethink what you know about **eyewitness testimony**,?

The Flaws Of Eyewitness Testimony ‡ JRE featuring Neil deGrasse Tyson - The Flaws Of Eyewitness Testimony ‡ JRE featuring Neil deGrasse Tyson by Sigma Unfiltered 48,717 views 4 months ago 58 seconds – play Short - Neil deGrasse Tyson shares with Joe Rogan about how unreliable **eyewitness testimony**, can be. Our memories aren't as reliable ...

The Bad Science of Eyewitnesses - The Bad Science of Eyewitnesses by Vsauce2 422,490 views 1 year ago 13 minutes, 47 seconds - Jennifer Thompson was the perfect witness. She was smart, perceptive, and alert during her attack. She made a conscious effort ...

Eyewitness Testimony Part 2 - Eyewitness Testimony Part 2 by CBS News 687,139 views 15 years ago 13 minutes, 7 seconds - Lesley Stahl explores the task of an **eyewitness**, to choose a criminal out of line up through memory. Jennifer Thompson falsely ...

Gary Wells
Eyewitness Testimony Has Two Key Properties
Elizabeth Loftus
The Most Unlikely of Friendships

Neil deGrasse talks about the flaws of eye witness testimony !=Neil deGrasse talks about the flaws of eye witness testimony !=CentralSensations 15,280 views 2 months ago 1 minute – play Short

Neil deGrasse Tyson Questioning Eyewitness Testimony >Neil deGrasse Tyson Questioning Eyewitness Testimony >Quantumara 1,594,885 views 1 month ago 59 seconds – play Short - Neil deGrasse Tyson recounts his experience during jury duty, highlighting the importance of critical thinking and questioning ...

A Level Psychology - Influence of Age on Eyewitness Testimony - A Level Psychology - Influence of Age on Eyewitness Testimony by A Level Revision 11,702 views 9 years ago 3 minutes, 22 seconds - A Level Revision is an educational and informative A-level revision and exam preparation resource providing simple yet detailed ...

Introduction
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Playback
General
Subtitles and closed captions
Spherical videos

Social and Behavioral Sciences. Amsterdam: Elsevier. 12844–12849. Ross D F, Read J D, Toglia M P (1994) Adult Eyewitness Testimony: Current Trends and Developments... 16 KB (2,077 words) - 21:39, 13 February 2024

Frank; Read, J. Don; Toglia, Michael (1994). Adult Eyewitness Testimony: Current Trends and Developments. Cambridge: Cambridge University Press. p. 155.... 33 KB (4,666 words) - 14:48, 24 December 2023

research and clinical practice. Plenum Publishing. Ross, D. F., Read, J. D., & Toglia, M. P. (1994). Adult eyewitness testimony: Current trends and developments... 13 KB (1,492 words) - 19:36, 24 December 2023

highly researched topic and some have argued that it may have important practical implications in areas such as eyewitness testimony and distractions while... 58 KB (7,204 words) - 02:16, 21 January 2024

Memory development tends to focus on periods of infancy, toddlers, children, and adolescents, yet the developmental progression of memory in adults and older... 44 KB (5,886 words) - 14:13, 28 November 2023

Lockl and Schneider (2002) did not find any developmental trends in the accuracy of feeling-of-knowing judgments. Instead, similar to adults, children's... 65 KB (8,357 words) - 12:57, 2 December 2023

and despair. According to the study Eyewitness Media Hub of 2015, 40% of the journalists who were interviewed admitted that viewing video testimonies... 54 KB (6,443 words) - 19:51, 17 February 2024

in source forgetting: Effects on reality monitoring and on eyewitness testimony". Psychology and Aging. 4 (1): 10–17. doi:10.1037/0882-7974.4.1.10. PMID 2803602... 65 KB (8,093 words) - 00:59, 17 February 2024

eyewitness testimony and for psychotherapy: students may perform better when tested in their regular classroom rather than an exam room, eyewitnesses... 128 KB (16,035 words) - 08:51, 10 March 2024
Reports and Testimony. New York: Guilford Press. p. 248. ISBN 978-1593856342. Kim M, Daniel JL (2020-01-02). "Common Source Bias, Key Informants, and Survey-Administrative... 107 KB (9,847 words) - 10:44, 12 March 2024

that such deaths occurred in shoot-outs between police and "terrorists". In many cases, eyewitnesses reported that no firing came from the attacked house... 255 KB (23,351 words) - 13:55, 11 March 2024
be proved by testimony of four adult, pious male eyewitnesses to the actual act of penetration, or a confession repeated four times and not retracted... 347 KB (39,482 words) - 22:02, 5 March 2024
can be accurate, but they are not always accurate. For example, eyewitness testimony even of relatively recent dramatic events is notoriously unreliable... 60 KB (6,884 words) - 19:23, 19 February 2024
also engage in research, teaching, consultation, forensic testimony, and program development and administration. Some clinical psychologists may focus on... 38 KB (4,277 words) - 07:12, 20 January 2024

of inattention blindness has implications for false memories and eyewitness testimony. The perceptual cycle framework offers four major implications... 80 KB (10,514 words) - 22:25, 26 January 2024
three memoirs about her experience: The Cage, To Life and Holocaust Lady. Filip Müller wrote Eyewitness Auschwitz: Three Years in the Gas Chambers at Auschwitz... 79 KB (9,528 words) - 21:52, 4 March 2024

Many films since the 1980s and earlier have featured mid- and post-credits scenes, also known as credit cookies. Such scenes often include comedic gags... 294 KB (767 words) - 18:48, 12 March 2024
threat to the Jewish state – were expelled (for an eyewitness account of the events in Lydda and Ramleh, see Busailah (1981); for a basic account, see... 291 KB (41,274 words) - 09:59, 7 March 2024
would face both the rock and Mecca, but instead Umar chose to build it to the south of the rock. The first known eyewitness testimony of the mosque the pilgrim... 398 KB (46,335 words) - 10:33, 3 March 2024

blueprints, orders, bills, speeches, articles, memoirs, and confessions. Eyewitness testimony—accounts from survivors, Jewish Sonderkommandos (who helped... 208 KB (25,193 words) - 16:11, 6 March 2024

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Eddy-current testing - Wikipedia

Witness Testimony Evidence

Recent work in artificial intelligence has increasingly turned to argumentation as a rich, interdisciplinary area of research that can provide new methods related to evidence and reasoning in the area of law. Douglas Walton provides an introduction to basic concepts, tools and methods in argumentation theory and artificial intelligence as applied to the analysis and evaluation of witness testimony. He shows how witness testimony is by its nature inherently fallible and sometimes subject to disastrous failures. At the same time such testimony can provide evidence that is not only necessary but inherently reasonable for logically guiding legal experts to accept or reject a claim. Walton shows how to overcome the traditional disdain for witness testimony as a type of evidence shown by logical positivists, and the views of trial sceptics who doubt that trial rules deal with witness testimony in a way that yields a rational decision-making process.

Witness Testimony Evidence

Use of argumentation methods applied to legal reasoning is a relatively new field of study. The book provides a survey of the leading problems, and outlines how future research using argumentation-based methods show great promise of leading to useful solutions. The problems studied include not only these of argument evaluation and argument invention, but also analysis of specific kinds of evidence commonly used in law, like witness testimony, circumstantial evidence, forensic evidence and character evidence. New tools for analyzing these kinds of evidence are introduced.

Argumentation Methods for Artificial Intelligence in Law

This book examines the nature of evidence for character judgments, using a model of abductive reasoning called Inference To The Best Explanation. The book expands this notion based on recent work with models of reasoning using argumentation theory and artificial intelligence. The aim is not

just to show how character judgments are made, but how they should be properly be made based on sound reasoning, avoiding common errors and superficial judgments.

Character Evidence

This handbook addresses legal reasoning and argumentation from a logical, philosophical and legal perspective. The main forms of legal reasoning and argumentation are covered in an exhaustive and critical fashion, and are analysed in connection with more general types (and problems) of reasoning. Accordingly, the subject matter of the handbook divides in three parts. The first one introduces and discusses the basic concepts of practical reasoning. The second one discusses the general structures and procedures of reasoning and argumentation that are relevant to legal discourse. The third one looks at their instantiations and developments of these aspects of argumentation as they are put to work in the law, in different areas and applications of legal reasoning.

Handbook of Legal Reasoning and Argumentation

In this book a theory of reasoning with evidence in the context of criminal cases is developed. The main subject of this study is not the law of evidence but rather the rational process of proof, which involves constructing, testing and justifying scenarios about what happened using evidence and commonsense knowledge. A central theme in the book is the analysis of ones reasoning, so that complex patterns are made more explicit and clear. This analysis uses stories about what happened and arguments to anchor these stories in evidence. Thus the argumentative and the narrative approaches from the research in legal philosophy and legal psychology are combined. Because the book describes its subjects in both an informal and a formal style, it is relevant for scholars in legal philosophy, AI, logic and argumentation theory. The book can also appeal to practitioners in the investigative and legal professions, who are interested in the ways in which they can and should reason with evidence.

Arguments, Stories and Criminal Evidence

A leading expert in informal logic, Douglas Walton turns his attention in this new book to how reasoning operates in trials and other legal contexts, with special emphasis on the law of evidence. The new model he develops, drawing on methods of argumentation theory that are gaining wide acceptance in computing fields like artificial intelligence, can be used to identify, analyze, and evaluate specific types of legal argument. In contrast with approaches that rely on deductive and inductive logic and rule out many common types of argument as fallacious, Walton's aim is to provide a more expansive view of what can be considered &"reasonable&" in legal argument when it is construed as a dynamic, rule-governed, and goal-directed conversation. This dialogical model gives new meaning to the key notions of relevance and probative weight, with the latter analyzed in terms of pragmatic criteria for what constitutes plausible evidence rather than truth.

Legal Argumentation and Evidence

Use of argumentation methods applied to legal reasoning is a relatively new field of study. The book provides a survey of the leading problems, and outlines how future research using argumentation-based methods show great promise of leading to useful solutions. The problems studied include not only these of argument evaluation and argument invention, but also analysis of specific kinds of evidence commonly used in law, like witness testimony, circumstantial evidence, forensic evidence and character evidence. New tools for analyzing these kinds of evidence are introduced.

Argumentation Methods for Artificial Intelligence in Law

This book covers virtually every type of witness and witness situation that a lawyer is likely to encounter.

The Examination of Witnesses in Court

This book is an updated and revised edition of Fundamentals of Legal Argumentation published in 1999. It discusses new developments that have taken place in the past 15 years in research of legal argumentation, legal justification and legal interpretation, as well as the implications of these new developments for the theory of legal argumentation. Almost every chapter has been revised and updated, and the chapters include discussions of recent studies, major additions on topical issues, new perspectives, and new developments in several theoretical areas. Examples of these additions are discussions of recent developments in such areas as Habermas' theory, MacCormick's theory,

Alexy's theory, Artificial Intelligence and law, and the pragma-dialectical theory of legal argumentation. Furthermore it provides an extensive and systematic overview of approaches and studies of legal argumentation in the context of legal justification in various legal systems and countries that have been important for the development of research of legal argumentation. The book contains a discussion of influential theories that conceive the law and legal justification as argumentative activity. From different disciplinary and theoretical angles it addresses such topics as the institutional characteristics of the law and the relation between general standards for moral discussions and legal standards such as the Rule of Law. It discusses patterns of legal justification in the context of different types of problems in the application of the law and it describes rules for rational legal discussions. The combination of the sound basis of the first edition and the discussions of new developments make this new edition an up-to-date and comprehensive survey of the various theoretical influences which have informed the study of legal argumentation. It discusses salient backgrounds to this field as well as major approaches and trends in the contemporary research. It surveys the relevant theoretical factors both from various continental law traditions and common law countries.

The Principles of the Law of Evidence

This book addresses theoretical problems concerning legal evidence. The concept of evidence is expected to fulfill a number of distinct roles in science and philosophy, but also in legal theory and law, some of which are complementary, while others are conflicting. In their profession, lawyers have to deal with evidence and proof. Yet the legal concept of evidence is constantly changing, and the debate concerning the distinction between a legal concept of evidence, the ordinary concept of evidence and the concept of evidence in science is far from being settled. What is more, the problem of evidence is central to both epistemology and the philosophy of science, and by extension to our academic thinking on law. In short, legal theorists' interest in evidence may include such diverse objects as a bloody knife, sensory data, linguistic entities or psychologically recognized beliefs. The book surveys selected theoretical roles that the concept of evidence plays and explores their relations and interconnections. The content is divided into three parts, investigating: (1) evidence in epistemology and the philosophy of science, which focuses on evidence methodologies and the problem of proof in legal scholarship; (2) evidence in legal theory and legal philosophy, where particular attention is paid to the interplay between evidence, legal reasoning and the binding force of such reasoning; and (3) evidence in law, where theoretical problems pertaining to witnesses, expert opinions, explanations of the accused, statistical evidence and neuroscientific evidence are examined.

The Principles of the Law of Evidence

Order two copies of this book: one for yourself and one for your expert witness. It will give experts the confidence they need to be comfortable in court, and give you the skills necessary to emphasize the credibility of your experts. You can avoid pitfalls such as unintentional signals, inappropriate demeanor and appearance, and awkward body language by using *Expert Testimony: A Guide for Expert Witnesses and the Lawyers Who Examine Them* as your guide. In this newly revised Fourth Edition, Elizabeth Boals and Steve Lubet provide counsel on the development and presentation of expert testimony in the digital age, including discussion of visual aids and electronic discovery; analyze the Federal Rules of Evidence and Federal Rules of Civil Procedure; discuss the ethical rules governing expert retention and testimony; give examples of expert witness examinations and detailed discussion of techniques for coping with lawyer questioning; and provide checklists for quick reference. The collaborative effort of Professors Lubet and Boals has resulted in a new edition worthwhile to both the expert witnesses and the lawyers who examine them.

Examining Witnesses

The admission of expert witness testimony remains one of the most contentious, critical, and interesting aspects of modern-day litigation process. This book examines the role of the expert witness, focusing on taking depositions, expert qualifications, admissibility of testimony, attorney-client privilege, Daubert, rules of discovery and evidence, selecting and presenting experts, and direct examination of experts.

The Principles of the Law of Evidence

This extensively revised second edition is a rigorous introduction to the construction and criticism of arguments about questions of fact, and to the marshalling and evaluation of evidence at all stages of litigation. It covers the principles underlying the logic of proof; the uses and dangers of story-telling;

standards for decision and the relationship between probabilities and proof; the chart method and other methods of analyzing and ordering evidence in fact-investigation, in preparing for trial, and in connection with other important decisions in legal processes and in criminal investigation and intelligence analysis. Most of the chapters in this new edition have been rewritten; the treatment of fact investigation, probabilities and narrative has been extended; and new examples and exercises have been added. Designed as a flexible tool for undergraduate and postgraduate courses on evidence and proof, students, practitioners and teachers alike will find this book challenging but rewarding.

Fundamentals of Legal Argumentation

This book explains how burden of proof and presumption work as powerful devices in argumentation, based on studying many clearly explained legal and non-legal examples. It shows how the latest argumentation-based methods of artificial intelligence can be applied to these examples to help us understand how burdens of proof and presumptions work as devices of legal reasoning. It also shows the reader how to deal with presumptions and burdens of proof in everyday life, as they shift from one side to the other, sometimes confusingly, during a sequence of argumentation.

Theory of Legal Evidence - Evidence in Legal Theory

In both factual and easy-to-read fashion, author Vukelic offers 41 significant tips about how to be an effective witness, while providing anecdotes and sample dialogues that take place in court. Testifying Under Oath will help witnesses testify more effectively, take the mystery out of court proceedings, provide concrete evidence on how to be a persuasive witness, expose tricks and traps used by an attorney, offer ways of dealing with tricks and traps.

Evidence

Roberts and Zuckerman's *Criminal Evidence* is the eagerly-anticipated third edition of the market-leading text on criminal evidence, fully revised to take account of developments in legislation, case-law, policy debates, and academic commentary during the decade since the previous edition was published. With an explicit focus on the rules and principles of criminal trial procedure, Roberts and Zuckerman's *Criminal Evidence* develops a coherent account of evidence law which is doctrinally detailed, securely grounded in a normative theoretical framework, and sensitive to the institutional and socio-legal factors shaping criminal litigation in practice. The book is designed to be accessible to the beginner, informative to the criminal court judge or legal practitioner, and thought-provoking to the advanced student and scholar: a textbook and monograph rolled into one. The book also provides an ideal disciplinary map and work of reference to introduce non-lawyers (including forensic scientists and other expert witnesses) to the foundational assumptions and technical intricacies of criminal trial procedure in England and Wales, and will be an invaluable resource for courts, lawyers and scholars in other jurisdictions seeking comparative insight and understanding of evidentiary regulation in the common law tradition.

Expert Testimony

This monograph poses a series of key problems of evidential reasoning and argumentation. It then offers solutions achieved by applying recently developed computational models of argumentation made available in artificial intelligence. Each problem is posed in such a way that the solution is easily understood. The book progresses from confronting these problems and offering solutions to them, building a useful general method for evaluating arguments along the way. It provides a hands-on survey explaining to the reader how to use current argumentation methods and concepts that are increasingly being implemented in more precise ways for the application of software tools in computational argumentation systems. It shows how the use of these tools and methods requires a new approach to the concepts of knowledge and explanation suitable for diverse settings, such as issues of public safety and health, debate, legal argumentation, forensic evidence, science education, and the use of expert opinion evidence in personal and public deliberations.

A Litigator's Guide to Expert Witnesses

Relevant to, and drawing from, a range of disciplines, the chapters in this collection show the diversity, and applicability, of research in Bayesian argumentation. Together, they form a challenge to philosophers versed in both the use and criticism of Bayesian models who have largely overlooked their

potential in argumentation. Selected from contributions to a multidisciplinary workshop on the topic held in Sweden in 2010, the authors count linguists and social psychologists among their number, in addition to philosophers. They analyze material that includes real-life court cases, experimental research results, and the insights gained from computer models. The volume provides, for the first time, a formal measure of subjective argument strength and argument force, robust enough to allow advocates of opposing sides of an argument to agree on the relative strengths of their supporting reasoning. With papers from leading figures such as Michael Oaksford and Ulrike Hahn, the book comprises recent research conducted at the frontiers of Bayesian argumentation and provides a multitude of examples in which these formal tools can be applied to informal argument. It signals new and impending developments in philosophy, which has seen Bayesian models deployed in formal epistemology and philosophy of science, but has yet to explore the full potential of Bayesian models as a framework in argumentation. In doing so, this revealing anthology looks destined to become a standard teaching text in years to come.

Analysis of Evidence

The second edition of this widely acclaimed book maintains the author's original objective: to provide a clear and readable account of evidence law, which acknowledges the importance of arguments about facts and principles as well as rules. It is written

Burden of Proof, Presumption and Argumentation

Winner of the Scribes Book Award "Displays a level of intellectual honesty one rarely encounters these days...This is delightful stuff." —Barton Swaim, Wall Street Journal "At a time when the concept of truth itself is in trouble, this lively and accessible account provides vivid and deep analysis of the practices addressing what is reliably true in law, science, history, and ordinary life. The Proof offers both timely and enduring insights." —Martha Minow, former Dean of Harvard Law School "His essential argument is that in assessing evidence, we need, first of all, to recognize that evidence comes in degrees...and that probability, the likelihood that the evidence or testimony is accurate, matters." —Steven Mintz, Inside Higher Education "I would make Proof one of a handful of books that all incoming law students should read...Essential and timely." —Emily R. D. Murphy, Law and Society Review In the age of fake news, trust and truth are hard to come by. Blatantly and shamelessly, public figures deceive us by abusing what sounds like evidence. To help us navigate this polarized world awash in misinformation, preeminent legal theorist Frederick Schauer proposes a much-needed corrective. How we know what we think we know is largely a matter of how we weigh the evidence. But evidence is no simple thing. Law, science, public and private decision making—all rely on different standards of evidence. From vaccine and food safety to claims of election-fraud, the reliability of experts and eyewitnesses to climate science, The Proof develops fresh insights into the challenge of reaching the truth. Schauer reveals how to reason more effectively in everyday life, shows why people often reason poorly, and makes the case that evidence is not just a matter of legal rules, it is the cornerstone of judgment.

The Place of Emotion in Argument

Mechanical Witness is the first cultural and legal history charting the changing role and theoretical implications of film and video use as courtroom evidence. Schwartz moves from the earliest employment of film in the courts of the 1920s to the notorious 1991 Rodney King video, revealing how the courts have developed a reliance on film and video technologies and contributed to the growing influence of visual media as a dominant mode of knowledge formation. At the same time, film and video in juridical contexts has developed a distinct theoretical legacy. The particular qualities of film as evidence both resonate with and contradict existing scholarship-focusing on economic, social, or aesthetic factors-which hitherto has defined film's status and cultural contribution. In the context of a trial, the possible meanings of a film change from its meanings when shown in a movie theater or broadcast on television, yet the public (and cinema scholars) tend to assume that the two are the same. Mechanical Witness demonstrates that we must understand evidentiary film and video's institutional specificity if we are to understand the full effects of motion picture technologies on our culture. This study sets the terms for a long overdue assessment of how the entertainment industry has shaped our film viewing practices, the place of moving picture evidence in the courtroom, and the social and cultural consequences of these intertwined histories.

Testifying Under Oath

This book provides an overview of computer techniques and tools — especially from artificial intelligence (AI) — for handling legal evidence, police intelligence, crime analysis or detection, and forensic testing, with a sustained discussion of methods for the modelling of reasoning and forming an opinion about the evidence, methods for the modelling of argumentation, and computational approaches to dealing with legal, or any, narratives. By the 2000s, the modelling of reasoning on legal evidence has emerged as a significant area within the well-established field of AI & Law. An overview such as this one has never been attempted before. It offers a panoramic view of topics, techniques and tools. It is more than a survey, as topic after topic, the reader can get a closer view of approaches and techniques. One aim is to introduce practitioners of AI to the modelling legal evidence. Another aim is to introduce legal professionals, as well as the more technically oriented among law enforcement professionals, or researchers in police science, to information technology resources from which their own respective field stands to benefit. Computer scientists must not blunder into design choices resulting in tools objectionable for legal professionals, so it is important to be aware of ongoing controversies. A survey is provided of argumentation tools or methods for reasoning about the evidence. Another class of tools considered here is intended to assist in organisational aspects of managing of the evidence. Moreover, tools appropriate for crime detection, intelligence, and investigation include tools based on link analysis and data mining. Concepts and techniques are introduced, along with case studies. So are areas in the forensic sciences. Special chapters are devoted to VIRTopsy (a procedure for legal medicine) and FLINTS (a tool for the police). This is both an introductory book (possibly a textbook), and a reference for specialists from various quarters.

The Work of the Advocate

Forensic science evidence plays a pivotal role in modern criminal proceedings. Yet such evidence poses intense practical and theoretical challenges. It can be unreliable or misleading and has been associated with miscarriages of justice. In this original and insightful book, a global team of prominent scholars and practitioners explore the contemporary challenges of forensic science evidence and expert witness testimony from a variety of theoretical, practical and jurisdictional perspectives. Chapters encompass the institutional organisation of forensic science, its procedural regulation, evaluation and reform, and brim with comparative insight.

Roberts & Zuckerman's Criminal Evidence

Forensic science evidence and expert witness testimony play an increasingly prominent role in modern criminal proceedings. Science produces powerful evidence of criminal offending, but has also courted controversy and sometimes contributed towards miscarriages of justice. The twenty-six articles and essays reproduced in this volume explore the theoretical foundations of modern scientific proof and critically consider the practical issues to which expert evidence gives rise in contemporary criminal trials. The essays are prefaced by a substantial new introduction which provides an overview and incisive commentary contextualising the key debates. The volume begins by placing forensic science in interdisciplinary focus, with contributions from historical, sociological, Science and Technology Studies (STS), philosophical and jurisprudential perspectives. This is followed by closer examination of the role of forensic science and other expert evidence in criminal proceedings, exposing enduring tensions and addressing recent controversies in the relationship between science and criminal law. A third set of contributions considers the practical challenges of interpreting and communicating forensic science evidence. This perennial battle continues to be fought at the intersection between the logic of scientific inference and the psychology of the fact-finder's common sense reasoning. Finally, the volume's fourth group of essays evaluates the (limited) success of existing procedural reforms aimed at improving the reception of expert testimony in criminal adjudication, and considers future prospects for institutional renewal - with a keen eye to comparative law models and experiences, success stories and cautionary tales.

Argument Evaluation and Evidence

A technical expert and a lawyer provide practical approaches for IT professionals who need to get up to speed on the role of an expert witness and how testimony works. Includes actual transcripts and case studies.

The Methods of Attacking Scientific Evidence

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

Bayesian Argumentation

Written by a trial lawyer turned professor, *Law for the Expert Witness, Second Edition* is for professionals who participate - voluntarily or involuntarily - in the legal system as expert witnesses. This book discusses the practical aspects of pre-trial discovery and the Rules of Evidence. Most of the principles are illustrated using actual cases decided by various courts. The book also includes helpful hints based on the author's trial experience and appendices that contain the texts of the relevant Federal Rules of Civil Procedure and Federal Rules of Evidence. This text is an excellent primer for chemists, medical professionals, civil engineers, environmental toxicologists, and other professionals called to provide expert testimony, as well as a practical handbook for lawyers to utilize in preparing experts for testifying.

Practical Guide to Evidence

The role of testimony in the getting of reliable belief or knowledge is a central but neglected epistemological issue. Western philosophical tradition has paid scant attention to the individual thinker's reliance upon the word of others; yet we are in fact profoundly dependent on others for a vast amount of what any of us claims to know. Professor Coady begins by exploring the nature and depth of our reliance upon testimony, addressing the complex definitional puzzles surrounding the idea. He analyses the tradition of debate on the topic in order to reveal the epistemic individualism which has given rise to an illusory ideal of 'autonomous knowledge', and to gain a deeper understanding of the issues. He concludes this part of the book by showing what a feasible justification of testimony as a source of knowledge could be. In the second half of the book the author uses this new view of testimony to challenge certain widespread assumptions in the fields of history, mathematics, psychology, and law.

The Proof

This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature.

Mechanical Witness

This is the book you will actually use. Expert testimony puzzles even seasoned attorneys and experienced judges. This Visual Refresher Course simplifies understanding with a practical approach to mapping the expert's argument and assessing opinions against the controlling legal principles. Get straight into the elements and analysis of expert testimony, from a practical perspective. Stop suffering through 400-page tomes searching for the core principles you need now. The work's been done for you, so no need to waste your time. A Visual Refresher Course on Expert Testimony provides the quick overview you need to think clearly about expert witnesses. While intended for young lawyers and law students, everyone can discover the benefits of this high-yield reference resource. This Visual Refresher Course shows: -How experts master their fields and specialized knowledge-How experts argue-How the legal principles frame expert testimony-How to map an expert's opinion into a diagram-How to analyze that opinion-How to think critically about the comparison and weighing of competing expert opinions-How to find strengths and weaknesses, as well as simple frameworks for persuasive presentations on direct examination and cross examination This step-by-step, Visual Refresher Course covers: the path to mastering specialized knowledge, shortcuts and biases; breaking down and mapping the expert's argument; Federal Rules of Evidence 702 and 703, the legal principles for expert opinions and their eight levels of continua; qualifications; facts, data and assumptions; principles, methods and their application; the opinion and its battle for the best explanation; and more. Real-world examples are drawn: *My Cousin Vinny* (1992); the polygraph in *Frye v. United States*, 293 F. 1013 (D.C. Cir. 1923); the studies in *Daubert v. Merrell Dow Pharmaceuticals, Inc.*, 509 U.S. 579 (1993); the epidemiological studies in *General Electric Co. v. Joiner*, 522 U.S. 136 (1997); the tire analysis in *Kumho Tire Co. v. Carmichael*, 526 U.S. 137 (1999); the blood samples in *People*

v. O.J. Simpson; medical decision-making, mental health diagnosis, and child custody evaluations; DNA identification and the fallibility of witness identification; standardized field sobriety, abusive head trauma [shaken baby syndrome], syndrome evidence [battered women, sexually abused child], and gang-related crime; real estate appraisals; business valuation, lost personal income, and lost business profits; present value of defined benefit pension interest; and professional and legal malpractice.

Computer Applications for Handling Legal Evidence, Police Investigation and Case Argumentation

Forensic Science Evidence and Expert Witness Testimony

Front-end Development with ASP.NET Core, Angular, and Bootstrap

Stay ahead of the web evolution with elegant combination front-end development Front-End Development with ASP.NET Core, Angular, and Bootstrap is the professional's guide to fast, responsive web development. Utilizing the most popular combination of web technologies for Microsoft developers, this guide provides the latest best practices and ASP.NET MVP guidance to get you up to speed quickly. The newest ASP.NET - now called ASP.NET Core - is leaner, easier to use, and less bound to the operating system and IDE, giving you the perfect opportunity to leverage third-party frameworks and libraries that provide functionalities not native to ASP.NET Core and Visual Studio. This book shows you how to integrate ASP.NET Core with Angular, Bootstrap, and similar frameworks, with a bit of jQuery Mobile, Nuget, continuous deployment, Bower dependencies, and Gulp/Grunt build systems, including development beyond Windows on Mac and Linux. With clear, concise instruction and expert insight, this guide is an invaluable resource for meeting the demands of modern web development. Combine ASP.NET Core with different tools, frameworks, and libraries Utilize third-party libraries with non-native functionalities Adopt the most up-to-date best practices for front-end development Develop flexible, responsive design sites The world of web development is evolving faster than ever before, and the trend is toward small, focused frameworks with modular capabilities. Microsoft has noticed, and upgraded ASP.NET Core to align with the latest industry expectations. Front-End Development with ASP.NET Core, Angular, and Bootstrap helps you elegantly integrate these technologies to develop the sites that the industry demands.

Professional's Guide To Fast, Responsive Web Development With ASP.NET Core, Angular, And Bootstrap

Keep ahead of the internet evolution with classy mix front-end development Front-End Advancement with ASP.NET Core, Angular, and also Bootstrap is the specialist's overview to quick, receptive web development. Utilizing one of the most prominent combination of internet innovations for Microsoft programmers, this guide gives the latest best techniques as well as ASP.NET MVP assistance to get you up to speed rapidly. The latest ASP.NET - now called ASP.NET Core - is leaner, simpler to use, as well as less bound to the os and also IDE, offering you the excellent opportunity to take advantage of third-party frameworks and also collections that offer capabilities not native to ASP.NET Core as well as Visual Studio. This publication reveals you exactly how to incorporate ASP.NET Core with Angular, Bootstrap, and also similar frameworks, with a little bit of Nuget, continuous implementation, Bower dependences, and also Gulp build systems, consisting of development past Windows on Mac and Linux. With clear, succinct instruction and expert understanding, this overview is an important resource for satisfying the demands of modern-day web advancement. Integrate ASP.NET Core with various tools, frameworks, as well as libraries Utilize third-party libraries with non-native functionalities Take on one of the most updated finest methods for front-end advancement Develop versatile, receptive style websites The globe of web advancement is evolving much faster than ever, as well as the trend is toward little, concentrated structures with modular abilities. Microsoft has actually seen, and upgraded ASP.NET Core to line up with the most recent sector expectations. Front-End Development with ASP.NET Core, Angular, and also Bootstrap aids you elegantly incorporate these technologies to create the sites that the sector demands.

Hands-On Full-Stack Web Development with ASP.NET Core

Become a full-stack developer by learning popular Microsoft technologies and platforms such as .NET Core, ASP.NET Core, Entity Framework, and Azure Key Features Bring static typing to web development with features compatible in TypeScript 3 Implement a slim marketplace single page application (SPA) in Angular, React, and Vue Modernize your web apps with Microsoft Azure, Visual Studio, and

GitBook Description Today, full-stack development is the name of the game. Developers who can build complete solutions, including both backend and frontend products, are in great demand in the industry, hence being able to do so a desirable skill. However, embarking on the path to becoming a modern full-stack developer can be overwhelmingly difficult, so the key purpose of this book is to simplify and ease the process. This comprehensive guide will take you through the journey of becoming a full-stack developer in the realm of the web and .NET. It begins by implementing data-oriented RESTful APIs, leveraging ASP.NET Core and Entity Framework. Afterward, it describes the web development field, including its history and future horizons. Then, you'll build webbased Single-Page Applications (SPAs) by learning about numerous popular technologies, namely TypeScript, Angular, React, and Vue. After that, you'll learn about additional related concerns involving deployment, hosting, and monitoring by leveraging the cloud; specifically, Azure. By the end of this book, you'll be able to build, deploy, and monitor cloud-based, data-oriented, RESTful APIs, as well as modern web apps, using the most popular frameworks and technologies. What you will learn

- Build RESTful APIs in C# with ASP.NET Core, web APIs, and Entity Framework
- See the history and future horizons of the web development field
- Bring static-typing to web apps using TypeScript
- Build web applications using Angular, React, and Vue
- Deploy your application to the cloud
- Write web applications that scale, can adapt to changes, and are easy to maintain
- Discover best practices and real-world tips and tricks
- Secure your backend server with Authentication and Authorization using OAuth 2.0

Who this book is for This book is for developers who are keen on strengthening their skills in the field of cloud-based full-stack web development. You need basic knowledge of web-related pillars, including HTML, CSS, and JavaScript, as well as C# and REST. This book targets novice developers in the realm of Web development and ASP.NET who desire to advance to modern Web and ASP.NET Core development and leverage the Cloud to manage and bring everything together.

ASP.NET Core 2 and Angular 5

Develop a simple, yet fully-functional modern web application using ASP.NET Core MVC, Entity Framework and Angular 5. About This Book Based on the best-selling book ASP.NET Core and Angular 2 Easily build a complete single page application with two of the most impressive frameworks in modern development, ASP.NET Core and Angular Bring together the capabilities and features of both Angular 5 and ASP.NET Core 2 for full stack development Discover a comprehensive approach to building your next web project-From managing data, to application design, through to SEO optimization and security Who This Book Is For This book is for seasoned ASP.NET developers who already know about ASP.NET Core and Angular in general, but want to know more about them and/or understand how to blend them together to craft a production-ready SPA. What You Will Learn Use ASP.NET Core to its full extent to create a versatile backend layer based on RESTful APIs Consume backend APIs with the brand new Angular 5 HttpClient and use RxJS Observers to feed the frontend UI asynchronously Implement an authentication and authorization layer using ASP.NET Identity to support user login with integrated and third-party OAuth 2 providers Configure a web application in order to accept user-defined data and persist it into the database using server-side APIs Secure your application against threats and vulnerabilities in a time efficient way Connect different aspects of the ASP. NET Core framework ecosystem and make them interact with each other for a Full-Stack web development experience In Detail Become fluent in both frontend and backend web development by combining the impressive capabilities of ASP.NET Core 2 and Angular 5 from project setup right through the deployment phase. Full-stack web development means being able to work on both the frontend and backend portions of an application. The frontend is the part that users will see or interact with, while the backend is the underlying engine, that handles the logical flow: server configuration, data storage and retrieval, database interactions, user authentication, and more. Use the ASP.NET Core MVC framework to implement the backend with API calls and server-side routing. Learn how to put the frontend together using top-notch Angular 5 features such as two-way binding, Observables, and Dependency Injection, build the Data Model with Entity Framework Core, style the frontend with CSS/LESS for a responsive and mobile-friendly UI, handle user input with Forms and Validators, explore different authentication techniques, including the support for third-party OAuth2 providers such as Facebook, and deploy the application using Windows Server, SQL Server, and the IIS/Kestrel reverse proxy. Style and approach More than just a technical manual, this guide takes you through the most important technical facets of developing with these two hugely popular frameworks and then demonstrates how to put those skills into practice. It's a book that recognizes that what's really important is the end product.

ASP.NET Core: Cloud-ready, Enterprise Web Application Development

Create fast, scalable, and high-performance applications with C# and ASP.NET Core About This Book Get first-principle coverage of the latest ASP.NET Core MVC Find out how to bring together the capabilities and features of both Angular 2 and ASP.NET Core Discover common areas you might encounter performance problems with and areas you don't need to worry about Who This Book Is For This book is for developers who want to learn to build web applications using ASP.NET Core, those who want to make a career building web applications using Microsoft technology, and those who are working on other web frameworks and want to learn ASP.NET Core. What You Will Learn Get to know the concepts of ASP.NET MVC Create a Controller with action methods Build a view using several features of the Razor View engine Construct a Model for ASP.NET Core MVC application Find out how the features of ASP.NET Core and Angular 2 perfectly complement each other Handle requests and actions using server-side and client-side Routing Create a Data Model using Entity Framework Core Learn how to use Angular 2 components and master directives Improve performance at the network level and I/O level, and how to optimize the application as a whole Monitor performance as part of Continuous Integration and regression testing In Detail ASP.NET Core is the new, open source, and cross-platform, web-application framework from Microsoft. ASP.NET Core MVC helps you build robust web applications using the Model-View-Controller design. This guide will help you in building applications that can be deployed on non-Windows platforms such as Linux. Starting with an overview of the MVC pattern, you will quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating your application with Bootstrap, validating user input, interacting with databases, and deploying your application are some of the things that you will learn to execute with this fast-paced guide. You will test your knowledge as you build a fully working sample application using the skills you've learned throughout the book. Moving forward, this guide will teach you to combine the impressive capabilities of ASP.NET Core and Angular 2. Not only will you learn how Angular 2 can complement your .NET skills and toolkit, you'll also learn everything you need to build a complete, dynamic single-page application. Find out how to get your data model in place and manage an API, before styling and designing your frontend for an exceptional user experience. You will find out how to optimize your application for SEO, identify and secure vulnerabilities, and how to successfully deploy and maintain your application. From here, you will delve into the latest frameworks and software design patterns to improve your application performance. The course offers premium, highly practical content on the recently released ASP.NET Core, and includes material from the following Packt books: Learning ASP.NET Core MVC Programming, ASP.NET Core and Angular 2, and ASP.NET Core 1.0 High Performance. Style and approach This learning path takes a first-principles approach to help you understand and implement ASP.NET MVC solutions.

Practical Multiple-Page Apps with ASP.NET Core and Angular Elements

This book provides all the tools you need to develop ultra-modern multiple-page applications (MPAs) using ASP.NET Core Razor Pages, Angular elements, WebPack, RxJS, and mini-SPAs (Single-Page Applications). It will be useful for web programmers, business developers, and students of all skill levels who are interested in web-application developments. This book teaches you how to build a modern web site/application using a hybrid approach – the simplest being host one or more mini-SPAs within a larger multiple-page web application. It shows how to split a web application into functional parts, and convert each functional part into its own SPA. These mini-SPAs together form a complete multiple-page application. For each mini SPA, we use a simple JavaScript routing system to organize the states of the application and switch between different views by watching changes on the URL. The technical stack for backend consists of operating system, web server, database, and programming logic. This book chooses ASP.NET Core Razor Pages and SQL Server as the backend framework. A Razor page consists of a Razor view and a code behind file. Each Razor page is self-contained with its own view and code organized together, resulting in a simpler app, which makes coding page-focused scenarios easier and more productive. The front-end components enable the user's interaction with the web application. In this book, we choose TypeScript, npm, WebPack, RxJS, and Angular as our front-end technical stack. TypeScript is a modern JavaScript development language that provides optional static type checking, classes, and interfaces. It also offers advanced Intellisense, auto-completion, navigation, and refactoring, which makes code easier to read and understand. WebPack is a bundler and it comes in handy when you need to pack multiple assets together into a dependency graph. There is a rising tendency to use WebPack because it can fulfil nearly all tasks that you would perform through a task runner. RxJS is a library for reactive programming using observables, which make it easier to compose asynchronous or callback-based code. This book will explain how to use all of these technologies together to create a modern web application. Angular is a popular front-end JavaScript framework. Even

though it is used for SPA development, we can still take advantage of this framework in building modern multiple-page web applications, i.e., we can use Angular in a non-SPA way via Angular elements. Angular elements are Angular components packaged as custom elements, a web standard for defining new HTML elements in a framework-agnostic way. This book shows how to embed Angular elements into our modern MPA project without having to migrate an entire application to Angular. This book also includes the other selected topics, including how to use Microsoft ML.NET to solve machine learning problems, such as classification, regression, and clustering; how to create various charts and graphics using ECharts; how to use SignalR to add real-time features to your web apps; how to use dependency injection, and how to create custom tag helpers and Razor Class Libraries in Razor Pages.

Learning Angular for .NET Developers

Build efficient web apps and deliver great results by integrating Angular and the .NET framework About This Book Become a more productive developer and learn to use frameworks that implement good development practices Achieve advanced autocompletion, navigation, and refactoring in Angular using Typescript Follow a gradual introduction to the concepts with a lot of examples and explore the evolution of a production-ready application Who This Book Is For If you are a .NET developer who now wants to efficiently build single-page applications using the new features that Angular 4 has to offer, then this book is for you. Familiarity of HTML, CSS, and JavaScript is assumed to get the most from this book. What You Will Learn Create a standalone Angular application to prototype user interfaces Validate complex forms with Angular version 4 and use Bootstrap to style them Build RESTful web services that work well with single-page applications Use Gulp and Bower in Visual Studio to run tasks and manage JavaScript packages Implement automatic validation for web service requests to reduce your boilerplate code Use web services with Angular version 4 to offload and secure your application logic Test your Angular version 4 and web service code to improve the quality of your software deliverables In Detail Are you are looking for a better, more efficient, and more powerful way of building front-end web applications? Well, look no further, you have come to the right place! This book comprehensively integrates Angular version 4 into your tool belt, then runs you through all the new options you now have on hand for your web apps without bogging you down. The frameworks, tools, and libraries mentioned here will make your work productive and minimize the friction usually associated with building server-side web applications. Starting off with building blocks of Angular version 4, we gradually move into integrating TypeScript and ES6. You will get confident in building single page applications and using Angular for prototyping components. You will then move on to building web services and full-stack web application using ASP.NET WebAPI. Finally, you will learn the development process focused on rapid delivery and testability for all application layers. Style and approach This book covers everything there is to know about getting well-acquainted with Angular 4 and .NET without bogging you down. Everything is neatly laid out under clear headings for quick consultation, offering you the information required to understand a concept immediately, with short, relevant examples of each feature.

ASP.NET Core 6 and Angular

Design, build and deploy robust web applications using ASP.NET 6, Angular 13, and Entity Framework Core Key FeaturesThe most up-to-date book that covers cutting-edge features released in ASP.NET Core 6 and Angular 13Create a production-ready Single-Page Application (SPA) or Progressive Web Application (PWA)Adopt a full-stack approach to handle data management, API documentation, Web APIs, end-to-end testing, security, and deploymentBook Description Every full-stack ninja needs the tools to operate on front-end and back-end application development. This web app development book takes a hands-on, project-based approach to provide you with all the tools and techniques that web developers need to create, debug, and deploy efficient web applications using ASP.NET Core and Angular. The fifth edition has been updated to cover advanced topics such as Minimal APIs, Web APIs with GraphQL, real-time updates with SignalR, and new features in .NET 6 and Angular 13. You begin by building a data model with Entity Framework Core, alongside utilizing the Entity Core Fluent API and EntityTypeConfiguration class. You'll learn how to fetch and display data and handle user input with Angular reactive forms and front-end and back-end validators for maximum effect. Later, you will perform advanced debugging and explore the unit testing features provided by xUnit.net (.NET 6) and Jasmine, as well as Karma for Angular. After adding authentication and authorization to your apps, you will explore progressive web applications, learning about their technical requirements, testing processes, and how to convert a standard web application to a PWA. By the end of this web development book, you will understand how to tie together the front-end and back-end to build and deploy secure and robust web applications. What you will learnUse the new Visual Studio

Standalone TypeScript Angular templateImplement and consume a Web API interface with ASP.NET CoreSet up an SQL database server using a local instance or a cloud datastorePerform C# and TypeScript debugging using Visual Studio 2022Create TDD and BDD unit tests using xUnit, Jasmine, and KarmaPerform DBMS structured logging using providers such as SeriLogDeploy web apps to Azure App Service using IIS, Kestrel, and NGINXLearn to develop fast and flexible Web APIs using GraphQLAdd real-time capabilities to Angular apps with ASP.NET Core SignalRWho this book is for This book is for experienced ASP.NET developers who already possess some familiarity with ASP.NET Core and Angular and are looking to learn how to use them effectively together. The fully documented code samples (also available on GitHub) and the step-by-step implementation tutorials make this book easy to follow.

ASP.NET Web API and Angular 2

The framework of choice to build reactive, feature-rich Single Page Applications that just workAbout This Book*Learn how to design Single Page Applications (SPAs) with the latest versions of the popular frameworks Angular 2 and ASP.NET Web API*An explicit focus on understanding how the two tools fit together gives this book a unique insight on how to make SPAs for you and your clients that just work*This book covers all the major topics you need to create SPAs with ASP.NET Web API and Angular 2: routing, creating clean URLs, handling data (OData), and authenticationWho This Book Is ForThis book is for seasoned ASP.NET developers who already know how to use ASP.NET Web API and AngularJS, but want to blend them together to craft a production-ready SPA.What You Will Learn*Get to know the MVC 6 core aspects such as Model and Web API Controller*Gain the required resources and configure the MVC 6 interface*See how to client-route requests*Set-up the data model using entity framework*Extend the client controllers*Secure your application against various security threatsIn DetailFor most developers, writing code is a balance between maintainability and productivity-how quickly can you write it versus how much more you have to write in the future. Writing APIs goes some way to striking a balance, as you can have an API that feeds data from your back-end to front-end service for consumption. Now, this front-end can change to a mobile app, a website, desktop app, but what you do at the back doesn't change and remains ASP.NET Web API.This book focuses on blending and connecting ASP.NET Web API and AngularJS. We'll guide you through building a fully-featured, potentially shippable SPA project with all its core aspects in place: readable URIs, OData retrieval, authentication patterns, RESTful interfaces, and more.By the end of the book, you will be able to make impressive SPAs using ASP.NET Web API and Angular 2.This book focuses about blending/connecting together the two topic technologies: ASP.NET WebAPI and AngularJS. The book aims to be a guide to the readers throughout by building a fully-featured, potentially shippable SPA project with all its core aspects in place: readable URIs, OData retrieval, authentication patterns, RESTful interfaces and more.

ASP.NET Core 5 and Angular

Build robust modern web applications using .NET 5, Entity Framework Core, and Angular 11 Key FeaturesUpdated with the latest features and additions in ASP.NET Core 5 and Angular 11Design, build, and deploy a Single Page Application or Progressive Web AppAdopt a full stack approach to handle data management, Web APIs, application design, testing, SEO, security, and deploymentBook Description Learning full-stack development calls for knowledge of both front-end and back-end web development. ASP.NET Core 5 and Angular, Fourth Edition will enhance your ability to create, debug, and deploy efficient web applications using ASP.NET Core and Angular. This revised edition includes coverage of the Angular routing module, expanded discussion on the Angular CLI, and detailed instructions for deploying apps on Azure, as well as both Windows and Linux. Taking care to explain and challenge design choices made throughout the text, Valerio teaches you how to build a data model with Entity Framework Core, alongside utilizing the Entity Core Fluent API and EntityTypeConfiguration class. You'll learn how to fetch and display data and handle user input with Angular reactive forms and front-end and back-end validators for maximum effect. Later, you will perform advanced debugging and explore the unit testing features provided by xUnit.net (.NET 5) and Jasmine, as well as Karma for Angular. After adding authentication and authorization to your apps, you will explore progressive web applications (PWAs), learning about their technical requirements, testing, and converting SWAs to PWAs. By the end of this book, you will understand how to tie together the front end and back end to build and deploy secure and robust web applications. What you will learnImplement a web API interface with ASP.NET Core and consume it with Angular using RxJS observablesSet up an SQL database server using a local instance or a cloud data storePerform C# and TypeScript debugging using Visual Studio 2019Create TDD and BDD unit tests using xUnit, Jasmine, and KarmaPerform

DBMS structured logging using third-party providers such as SeriLogDeploy web apps to Windows and Linux web servers, or Azure App Service, using IIS, Kestrel, and nginxWho this book is for This book is for experienced ASP.NET developers who already possess some familiarity with ASP.NET Core and Angular and are looking to learn how to use them effectively together. The fully documented code samples (also available on GitHub) and the step-by-step implementation tutorials make this book easy to follow.

Mastering ASP.NET Web API

Leverage ASP.Net Web API to build professional web services and create powerful applications. About This Book Get a comprehensive analysis of the latest specification of ASP.NET Core and all the changes to the underlying platform that you need to know to make the most of the web API See an advanced coverage of ASP.NET Core Web API to create robust models for your data, create controllers, and handle routing and security This book is packed with key theoretical and practical concepts that can be instantly applied to build professional applications using API with Angular 4, Ionic, and React Who This Book Is For This book is for .Net developers who wants to Master ASP.NET Core (Web API) and have played around with previous ASP.NET Web API a little, but don't have in-depth knowledge of it. You need to know Visual Studio and C#, and have some HTML, CSS, and JavaScript knowledge. What You Will Learn Acquire conceptual and hands-on knowledge of ASP.NET Core (MVC & Web API) Learn about HTTP methods, the structure of HTTP content, internet media types, and how servers respond to HTTP requests and their associated HTTP codes Explore middleware, filters, routing, and unit testing Optimize Web API implementations Develop a secure Web API interface Deploy Web API projects to various platforms Consume your web API in front end application based on Angular 4, Bootstrap, and Ionic Implement and explore the current trends in service architecture In Detail Microsoft has unified their main web development platforms. This unification will help develop web applications using various pieces of the ASP.NET platform that can be deployed on both Windows and LINUX. With ASP.NET Core (Web API), it will become easier than ever to build secure HTTP services that can be used from any client. Mastering ASP.NET Web API starts with the building blocks of the ASP.NET Core, then gradually moves on to implementing various HTTP routing strategies in the Web API. We then focus on the key components of building applications that employ the Web API, such as Kestrel, Middleware, Filters, Logging, Security, and Entity Framework. Readers will be introduced to take the TDD approach to write test cases along with the new Visual Studio 2017 live unit testing feature. They will also be introduced to integrate with the database using ORMs. Finally, we explore how the Web API can be consumed in a browser as well as by mobile applications by utilizing Angular 4, Ionic and ReactJS. By the end of this book, you will be able to apply best practices to develop complex Web API, consume them in frontend applications and deploy these applications to a modern hosting infrastructure. Style and approach Using a hands-on approach, we cover both the conceptual as well as the technical aspects of the ASP.NET Core (Web API) framework.

ASP.NET Core MVC 2.0 Cookbook

Learn to implement ASP.NET Core features to build effective software that can be scaled and maintained easily Key Features Practical solutions to recurring issues in the web development world Recipes on the latest features of ASP.Net Core 2.0 Coverage of Bootstrap, Angular, and JavaScript lets you supercharge your frontend Book Description The ASP.NET Core 2.0 Framework has been designed to meet all the needs of today's web developers. It provides better control, support for test-driven development, and cleaner code. Moreover, it's lightweight and allows you to run apps on Windows, OSX and Linux, making it the most popular web framework with modern day developers. This book takes a unique approach to web development, using real-world examples to guide you through problems with ASP.NET Core 2.0 web applications. It covers Visual Studio 2017- and ASP.NET Core 2.0-specific changes and provides general MVC development recipes. It explores setting up .NET Core, Visual Studio 2017, Node.js modules, and NuGet. Next, it shows you how to work with Inversion of Control data pattern and caching. We explore everyday ASP.NET Core MVC 2.0 patterns and go beyond it into troubleshooting. Finally, we lead you through migrating, hosting, and deploying your code. By the end of the book, you'll not only have explored every aspect of ASP.NET Core MVC 2.0, you'll also have a reference you can keep coming back to whenever you need to get the job done. What you will learn Build ASP.Net Core 2.0 applications using HTTP services with WebApi Learn to unit-test, load test, and perform test applications using client-side and server-side frameworks Debug, monitor and troubleshoot ASP.Net Core 2.0 applications using popular tools Reuse components with NuGet and create modular components with middleware Create applications using client-side technologies such

as HTML5, JavaScript, jQuery, and Angular Build responsive and dynamic UIs for your MVC apps using Bootstrap Leverage tools like Karma, Jasmine, QUnit, xUnit, Selenium, Microsoft Fakes, and Visual Studio 2017 Enterprise Who this book is for This book is written for the ASP.NET developer who wants to deliver professional-standard software, quickly and efficiently. It's filled with hands-on recipes, practical advice, and guidance to help developers with every aspect of the ASP.NET development cycle. Whether you've just started out or are a seasoned pro, the Asp.Net Core 2.0 Cookbook is written for you.

ASP.NET MVC 6 Cookbook

Learn to implement ASP.NET Core features to build effective software that can be scaled and maintained easily Key Features Practical solutions to recurring issues in the web development world Recipes on the latest features of ASP.Net Core 2.0 Coverage of Bootstrap, Angular, and JavaScript lets you supercharge your frontend Book Description The ASP.NET Core 2.0 Framework has been designed to meet all the needs of today's web developers. It provides better control, support for test-driven development, and cleaner code. Moreover, it's lightweight and allows you to run apps on Windows, OSX and Linux, making it the most popular web framework with modern day developers. This book takes a unique approach to web development, using real-world examples to guide you through problems with ASP.NET Core 2.0 web applications. It covers Visual Studio 2017- and ASP.NET Core 2.0-specific changes and provides general MVC development recipes. It explores setting up .NET Core, Visual Studio 2017, Node.js modules, and NuGet. Next, it shows you how to work with Inversion of Control data pattern and caching. We explore everyday ASP.NET Core MVC 2.0 patterns and go beyond it into troubleshooting. Finally, we lead you through migrating, hosting, and deploying your code. By the end of the book, you'll not only have explored every aspect of ASP.NET Core MVC 2.0, you'll also have a reference you can keep coming back to whenever you need to get the job done. What you will learn Build ASP.Net Core 2.0 applications using HTTP services with WebApi Learn to unit-test, load test, and perform test applications using client-side and server-side frameworks Debug, monitor and troubleshoot ASP.Net Core 2.0 applications using popular tools Reuse components with NuGet and create modular components with middleware Create applications using client-side technologies such as HTML5, JavaScript, jQuery, and Angular Build responsive and dynamic UIs for your MVC apps using Bootstrap Leverage tools like Karma, Jasmine, QUnit, xUnit, Selenium, Microsoft Fakes, and Visual Studio 2017 Enterprise Who this book is for This book is written for the ASP.NET developer who wants to deliver professional-standard software, quickly and efficiently. It's filled with hands-on recipes, practical advice, and guidance to help developers with every aspect of the ASP.NET development cycle. Whether you've just started out or are a seasoned pro, the Asp.Net Core 2.0 Cookbook is written for you.

ASP.NET Core 5 and React

Build fully functional, cloud-ready, and professional web applications using the latest features in the .NET 5 framework and React.js with Microsoft Azure Key FeaturesExplore the new features of .NET 5 with this updated edition of ASP.NET Core 5 and ReactDiscover strategies for adopting a full-stack development approach, clean architecture techniques, and development best practicesLearn how to manage data, design and package applications, and secure your web appsBook Description Microsoft's .NET framework is a robust server-side framework, now even more powerful thanks to the recent unification of the Microsoft ecosystem with the .NET 5 framework. This updated second edition addresses these changes in the .NET framework and the latest release of React. The book starts by taking you through React and TypeScript components for building an intuitive single-page application and then shows you how to design scalable REST APIs that can integrate with a React-based frontend. Next, you'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. As you progress through the chapters, you'll learn how to use React with TypeScript to make the frontend robust and maintainable and cover key ASP.NET 5 features such as API controllers, attribute routing, and model binding to build a sturdy backend. In addition to this, you'll explore API security with ASP.NET 5 identity and authorization policies and write reliable unit tests using both .NET and React, before deploying your app on Azure. By the end of this book, you'll have gained the knowledge you need to enhance your C# and JavaScript skills and build full-stack, production-ready applications with ASP.NET 5 and React. What you will learnBuild RESTful APIs with .NET 5 using API controllersSecure REST APIs with identity and authorization policiesCreate strongly typed, interactive, and function-based React components using HooksUnderstand how to style React components using Emotion.jsPerform client-side state

management with ReduxRun a range of automated tests on the frontend and backendImplement continuous integration and continuous delivery (CI/CD) processes in Azure using Azure DevOpsWho this book is for If you're a web developer looking to get up to speed with full-stack web application development with .NET Core and React, this book is for you. Although the book does not assume any knowledge of React, a basic understanding of .NET Core will help you to get to grips with the concepts covered.

Essential Angular for ASP.NET Core MVC

Angular 5 and .NET Core 2 updates for this book are now available. Follow the Download Source Code link for this book on the Apress website. Discover Angular, the leading client-side web framework, from the point of view of an ASP.NET Core MVC developer. Best-selling author Adam Freeman brings these two key technologies together and explains how to use ASP.NET Core MVC to provide back-end services for Angular applications. This fast-paced, practical guide starts from the nuts and bolt and gives you the knowledge you need to combine Angular (from version 2.0 up) and ASP.NET Core MVC in your projects. What You'll Learn Gain a solid understanding of how ASP.NET Core MVC and Angular can work together Use Visual Studio 2017 to develop Angular/ASP.NET Core MVC projects Create ASP.NET Core RESTful web services to support Angular applications Expose data from Entity Framework Core to Angular applications Use ASP.NET Core Identity to provide security services to Angular applications Each topic is covered clearly and concisely and is packed with the essential details you need to learn to be truly effective. Who This Book Is For This book is for developers with a knowledge of ASP.NET Core MVC who are introducing Angular into their projects.

Expert Angular

Learn everything you need to build highly scalable, robust web applications using Angular release 4 About This Book Apply best practices and design patterns to achieve higher scalability in your Angular applications Understand the latest features of Angular and create your own components Get acquainted with powerful, advanced techniques in Angular to build professional web applications Who This Book Is For This book is for JavaScript developers with some prior exposure to Angular, at least through basic examples. We assume that you've got working knowledge of HTML, CSS, and JavaScript. What You Will Learn Implement asynchronous programming using Angular Beautify your application with the UI components built to the material design specification Secure your web application from unauthorized users Create complex forms, taking full advantage of 2-way data binding Test your Angular applications using the Jasmine and Protractor frameworks for better efficiency Learn how to integrate Angular with Bootstrap to create compelling web applications Use Angular built-in classes to apply animation in your app In Detail Got some experience of Angular under your belt? Want to learn everything about using advanced features for developing websites? This book is everything you need for the deep understanding of Angular that will set you apart from the developer crowd. Angular has introduced a new way to build applications. Creating complex and rich web applications, with a lighter resource footprint, has never been easier or faster. Angular is now at release 4, with significant changes through previous versions. This book has been written and tested for Angular release 4. Angular is a mature technology, and you'll likely have applications built with earlier versions. This book starts by showing you best practices and approaches to migrating your existing Angular applications so that you can be immediately up-to-date. You will take an in-depth look at components and see how to control the user journey in your applications by implementing routing and navigation. You will learn how to work with asynchronous programming by using Observables. To easily build applications that look great, you will learn all about template syntax and how to beautify applications with Material Design. Mastering forms and data binding will further speed up your application development time. Learning about managing services and animations will help you to progressively enhance your applications. Next you'll use native directives to integrate Bootstrap with Angular. You will see the best ways to test your application with the leading options such as Jasmine and Protractor. At the end of the book, you'll learn how to apply design patterns in Angular, and see the benefits they will bring to your development. Style and approach This book provides comprehensive coverage of all aspects of development with Angular. You will learn about all the most powerful Angular concepts, with examples and best practices. This book is everything you need for the deep understanding of Angular that will set you apart from the developer crowd.

ASP.NET Core 8 and Angular

Build robust, scalable web applications using ASP.NET Core 8, Angular, and Entity Framework Core

Purchase of the print or Kindle book includes a free PDF eBook

Key Features

- Combine ASP.NET Core and Angular to build highly versatile web applications
- Create a production-ready Single-Page Application (SPA) or Progressive Web Application (PWA)
- Adopt a full-stack approach to handle data management, API documentation, Web APIs, end-to-end testing, security, and deployment

Book Description

If you want to learn how to use ASP.NET Core with Angular effectively, this hands-on guide is for you. Improve the way you create, debug, and deploy web applications while keeping up to date with the latest developments in .NET 8 and modern Angular, including .NET Minimal APIs and the new Angular standalone API defaults. You'll begin by setting up SQL Server 2022 and building a data model with Entity Framework Core. You'll progress to fetching and displaying data, handling user input with Angular reactive forms, and implementing front-end and back-end validators for maximum effect. After that, you will perform advanced debugging and explore unit testing features with xUnit for .NET, and Jasmine and Karma for Angular. You'll use Identity API endpoints in ASP.NET Core and functional route guards in Angular to add authentication and authorization to your apps. Finally, you'll learn how to deploy to Windows, Linux, and Azure. By the end of this book, you will understand how to tie together the front-end and back-end to build and deploy secure and robust web applications.

What you will learn

- Explore the new Angular and ASP.NET Core template with Visual Studio 2022
- Use modern interfaces and patterns such as the HTML5 pushState API, webhooks, and UI data bindings
- Add real-time capabilities to Angular apps with SignalR and gRPC
- Implement authentication and authorization using JWTs
- Perform DBMS structured logging using providers such as SeriLog
- Convert a standard web application to a progressive web application (PWA)
- Deploy an Angular app to Azure Static Web Apps
- Add GraphQL support to back-end and front-end using HotChocolate and Apollo Angular

Who this book is for

This book is for developers who have some familiarity with ASP.NET Core and Angular and want to learn how to use them effectively together.

Building Web Applications with Visual Studio 2017

Learn how to build web applications from three Microsoft MVPs. After building the data application layer using Entity Framework Core and a RESTful service using ASP.NET Core, you will then build the client side web application three ways: first, using ASP.NET Core, then using Angular 2, and, finally, using React. You will be able to compare and contrast these UI frameworks and select the best one for your needs. .NET Core is a complete rewrite of the popular .NET and its related frameworks. While many concepts are similar between .NET Core and the .NET 4.6 framework, there are revolutionary changes as well, including updates to Entity Framework Core and ASP.NET Core. The first section of this book covers the three main parts of building applications with C#: Entity Framework, ASP.NET Core Services, and ASP.NET Core Web Applications. There is also an explosion in popularity of JavaScript frameworks for client side development, and the authors cover two of the most popular UI frameworks. Start with TypeScript for developing clean JavaScript, along with a client side build tool such as Gulp, Grunt, and WebPack. Using the same data access layer and RESTful service from the .NET Core application, you can rebuild the UI using Angular 2. Then, repeat the process using React, for a true comparison of building client side applications using ASP.NET Core, Angular 2, and React. What You'll Learn

- Understand the fundamentals of .NET Core and what that means to the traditional .NET developer
- Build a data access layer with Entity Framework Core, a RESTful service with ASP.NET Core MVC, and a website with ASP.NET Core MVC and Bootstrap
- Automate many build tasks with client side build utilities

Who This Book Is For

Intermediate to advanced .NET developers

ASP.NET Core 3 and React

Build modern, scalable, and cloud-ready single-page applications using ASP.NET Core, React, TypeScript, and Azure

Key Features

- Explore the full potential and latest features of .NET Core 3.0, TypeScript 3, and React
- Learn how to manage data, application design, and packaging, and secure your web apps
- Discover best practices for using React and TypeScript to build a scalable frontend that interacts with REST APIs

Book Description

Microsoft's ASP.NET Core is a robust and high-performing cross-platform web API framework, and Facebook's React uses declarative JavaScript to drive a rich, interactive user experience on the client-side web. Together, they can be used to build full stack apps with enhanced security and scalability at each layer. This book will start by taking you through React and TypeScript components to build an intuitive single-page application. You'll understand how to design scalable REST APIs that can integrate with a React-based frontend. You'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. The book shows how you can use TypeScript along with

React to make the frontend robust and maintainable. You'll then cover important .NET Core features such as API controllers, attribute routing, and model binding to help you build a sturdy backend. Additionally, you'll explore API security with ASP.NET Core identity and authorization policies, and write reliable unit tests using both .NET Core and React before you deploy your app to the Azure cloud. By the end of the book, you'll have gained all the knowledge you need to enhance your C# and JavaScript skills and build full stack, production-ready applications with ASP.NET Core and React. What you will learn

- Build RESTful APIs with .NET Core using API controllers
- Create strongly typed, interactive, and function-based React components using Hooks
- Build forms efficiently using reusable React components
- Perform client-side state management with Redux and the React Context API
- Secure REST APIs with ASP.NET identity and authorization policies
- Run a range of automated tests on the frontend and backend
- Implement continuous integration (CI) and continuous delivery (CD) processes into Azure using Azure DevOps

Who this book is for If you're a web developer looking to build solid full-stack web applications with .NET Core and React, this book is for you. Although this book does not assume any knowledge of React, you're expected to have a basic understanding of .NET Core.

ASP.NET Core 3 and Angular 9 - Third Edition

Build a simple, yet fully-functional modern web application using .NET Core 3.1, Entity Framework Core and Angular 9

Key Features

- Explore the latest edition of the bestselling book ASP.NET Core 2 and Angular 5
- Design, build and deploy a Single Page Application or Progressive Web App with ASP.NET Core and Angular
- Adopt a full stack approach to handle data management, Web APIs, application design, testing, SEO, security and deployment

Book Description

Learning full stack development calls for knowledge of both frontend and backend web development. By covering the impressive capabilities of ASP.NET Core 3.1 and Angular 9, right from project setup through to the deployment phase, this book will help you to develop your skills effectively. The book will get you started with using the .NET Core framework and Web API Controllers to implement API calls and server-side routing in the backend. Next, you will learn to build a data model with Entity Framework Core and configure it using either a local SQL Server instance or cloud-based data stores such as Microsoft Azure. The book will also help you handle user input with Angular reactive forms and frontend and backend validators for maximum effect. You will later explore the advanced debugging and unit testing features provided by xUnit.net (.NET Core) and Jasmine, as well as Karma for Angular. Finally, you will implement various authentication and authorization techniques with the ASP.NET Core Identity system and the new IdentityServer, as well as deploy your apps on Windows and Linux servers using IIS, Kestrel, and Nginx. By the end of this book, you will be equipped with the skills you need to create efficient web applications using ASP.NET Core and Angular. What you will learn

- Implement a Web API interface with ASP.NET Core and consume it with Angular using RxJS Observables
- Create a data model using Entity Framework Core with code-first approach and migrations support
- Set up and configure a SQL database server using a local instance or a cloud data store on Azure
- Perform C# and JavaScript debugging using Visual Studio 2019
- Create TDD and BDD unit test using xUnit, Jasmine, and Karma
- Implement authentication and authorization using ASP.NET Identity, IdentityServer4, and Angular API
- Build Progressive Web Apps and explore Service Workers

Who this book is for This book is for experienced ASP.NET developers who already know about ASP.NET Core and Angular and are looking to learn more about them and understand how to use them together to create production-ready Single Page Applications (SPAs) or Progressive Web Applications (PWAs). However, the fully-documented code samples (also available on GitHub) and the step-by-step implementation tutorials make this book easy-to-understand - even for beginners and developers who are just getting started.

Practical Quantitative Finance with ASP.NET Core and Angular

This book provides comprehensive details of developing ultra-modern, responsive single-page applications (SPA) for quantitative finance using ASP.NET Core and Angular. It pays special attention to create distributed web SPA applications and reusable libraries that can be directly used to solve real-world problems in quantitative finance. The book contains:

- Overview of ASP.NET Core and Angular, which is necessary to create SPA for quantitative finance.
- Step-by-step approaches to create a variety of Angular compatible real-time stock charts and technical indicators using ECharts and TA-Lib.
- Introduction to access market data from online data sources using .NET Web API and Angular service, including EOD, intraday, real-time stock quotes, interest rates.
- Detailed procedures to price equity options and fixed-income instruments using QuantLib, including European/American/Barrier/Bermudan options, bonds, CDS, as well as related topics such as cash flows, term structures, yield curves, discount factors,

and zero-coupon bonds. Detailed explanation to linear analysis and machine learning in finance, which covers linear regression, PCA, KNN, SVM, and neural networks. In-depth descriptions of trading strategy development and back-testing for crossover and z-score based trading signals.

Hands-On TypeScript for C# and .NET Core Developers

Discover how TypeScript allows you to build modern client-rich applications, thanks to its object-oriented capabilities and third-party tools like Angular and Web APIs Key Features Make a seamless transition to using TypeScript 3.1 in your development stack Work with TypeScript 3.1 in your ASP.NET Core projects to build rich applications that are easy to maintain Build, test, and integrate your own TypeScript library in real-world projects Book Description Writing clean, object-oriented code in JavaScript gets trickier and complex as the size of the project grows. This is where Typescript comes into the picture; it lets you write pure object-oriented code with ease, giving it the upper hand over JavaScript. This book introduces you to basic TypeScript concepts by gradually modifying standard JavaScript code, which makes learning TypeScript easy for C# ASP.NET developers. As you progress through the chapters, you'll cover object programming concepts, such as classes, interfaces, and generics, and understand how they are related to, and similar in, both ES6 and C#. You will also learn how to use bundlers like WebPack to package your code and other resources. The book explains all concepts using practical examples of ASP.NET Core projects, and reusable TypeScript libraries. Finally, you'll explore the features that TypeScript inherits from either ES6 or C#, or both of them, such as Symbols, Iterables, Promises, and Decorators. By the end of the book, you'll be able to apply all TypeScript concepts to understand the Angular framework better, and you'll have become comfortable with the way in which modules, components, and services are defined and used in Angular. You'll also have gained a good understanding of all the features included in the Angular/ASP.NET Core Visual Studio project template. What you will learn Organize, test, and package large TypeScript code base Add TypeScript to projects using TypeScript declaration files Perform DOM manipulation with TypeScript Develop Angular projects with the Visual Studio Angular project template Define and use inheritance, abstract classes, and methods Leverage TypeScript-type compatibility rules Use WebPack to bundle JavaScript and other resources such as CSS to improve performance Build custom directives and attributes, and learn about animations Who this book is for If you're a C# or .NET developer looking for an easy accessible way of learning TypeScript, this book is for you.

Learning Angular 2 for .net Developers

Combine the strengths of Angular, the leading framework for developing complex client-side applications, and ASP.NET Core MVC 3, the latest evolution of Microsoft's framework for server-side applications. This new edition offers updated Angular, ASP.NET Core 3, Entity Framework Core 3 examples, an all-new chapter on interoperability with Blazor, and more! Best-selling author Adam Freeman brings together these two key technologies and explains how to use ASP.NET Core MVC 3 to provide back-end services for Angular applications. This fast-paced and practical guide starts from the nuts and bolts and gives you the knowledge you need to combine Angular and ASP.NET Core MVC 3 in your projects. Each topic is covered clearly and concisely and is packed with the essential details you need to learn to be truly effective. What You Will Learn Gain a solid understanding of how ASP.NET Core MVC 3 and Angular can work together Utilize both Visual Studio and Visual Studio Code to develop Angular/ASP.NET Core MVC projects Create ASP.NET Core RESTful web services to support Angular applications Expose data from Entity Framework Core to Angular applications Use ASP.NET Core Identity to provide security services to Angular applications Understand how Angular and Blazor applications can work together Who This Book Is For This book is for developers with knowledge of ASP.NET Core MVC who are introducing Angular into their projects.

Essential Angular for ASP.NET Core MVC 3

Leverage ASP.NET core 2.0 web API and the power of Vue.js at the client side to create modern applications from scratch Key Features Create fast, rich and reactive client side applications with Vue.js and ASP.NET Core. Leverage Vue components efficiently to build state of the art user interfaces. Work with Vuex and Nuxt.js to build ASP.NET Core based applications that are powerful, consistent, and maintainable Book Description This book will walk you through the process of developing an e-commerce application from start to finish, utilizing an ASP.NET Core web API and Vue.js Single-Page Application (SPA) frontend. We will build the application using a featureslice approach, whereby in each chapter we will add the required frontend and backend changes to complete an entire feature.

In the early chapters, we'll keep things fairly simple to get you started, but by the end of the book, you'll be utilizing some advanced concepts, such as server-side rendering and continuous integration and deployment. You will learn how to set up and configure a modern development environment for building ASP.NET Core web APIs and Vue.js SPA frontends. You will also learn about how ASP.NET Core differs from its predecessors, and how we can utilize those changes to our benefit. Finally, you will learn the fundamentals of building modern frontend applications using Vue.js, as well as some of the more advanced concepts, which can help make you more productive in your own applications in the future. What you will learn

- Setup a modern development environment for building both client-side and server-side code
- Use Vue CLI to scaffold front-end applications
- Build and compose a set of Vue.js components
- Setup and configure client-side routing to introduce multiple pages into a SPA
- Integrate popular CSS frameworks with Vue.js to build a product catalogue
- Build a functioning shopping cart that persists its contents across browser sessions
- Build client-side forms with immediate validation feedback using an open-source library dedicated to Vue.js form validation
- Refactor backend application to use the OpenIddict library

Who this book is for This book is aimed at ASP.NET developers who are looking for an entry point in learning how to build a modern client-side SPA with Vue.js, or those with a basic understanding of Vue.js who are looking to build on their knowledge and apply it to a real-world application. Knowledge of JavaScript is not necessary, but would be an advantage.

ASP.NET Core 2 and Vue.js

Bring dynamic server-side web content and responsive web design together to build websites that work and display well on any resolution, desktop or mobile. With this practical book, you'll learn how by combining the ASP.NET MVC server-side language, the Bootstrap front-end framework, and Knockout.js—the JavaScript implementation of the Model-View-ViewModel pattern. Author Jamie Munro introduces these and other related technologies by having you work with sophisticated web forms. At the end of the book, experienced and aspiring web developers alike will learn how to build a complete shopping cart that demonstrates how these technologies interact with each other in a sleek, dynamic, and responsive web application. Build well-organized, easy-to-maintain web applications by letting ASP.NET MVC 5, Bootstrap, and Knockout.js do the heavy lifting

- Use ASP.NET MVC 5 to build server-side web applications, interact with a database, and dynamically render HTML
- Create responsive views with Bootstrap that render on a variety of modern devices; you may never code with CSS again
- Add Knockout.js to enhance responsive web design with snappy client-side interactions driven by your server-side web application

ASP.NET MVC 5 with Bootstrap and Knockout.js

Achieve awesome user experiences and performance with simple, maintainable code! Embrace the full stack of web development, from styling with Bootstrap, building an interactive user interface with Angular 4, to storing data quickly and reliably in PostgreSQL. With this fully revised new edition, take a holistic view of full-stack development to create usable, high-performing applications with Rails 5.1. Rails is a great tool for building web applications, but it's not the best at everything. Embrace the features built into your database. Learn how to use front-end frameworks. Seize the power of the application stack through Angular 4, Bootstrap, and PostgreSQL. When used together, these powerful and easy-to-use tools will open you to a new world of possibilities. This second edition is updated to cover Angular - a completely reworked front-end framework - and dives into new Postgres 9.6 features such as UPSERT. Also new is Webpack coverage, to develop the front-end code for your Rails application. Create a usable and attractive login form using Bootstrap's styles, while ensuring the database table backing it is secure using Postgres' check constraints. See how creating an advanced Postgres index for a case-insensitive search speeds up your back end - enabling you to create a dynamic user experience using Angular 4. Create reusable components that bring Bootstrap and Angular together and effectively use materialized views for caching within Postgres. Get your front end working with Webpack, use Postgres' features from migrations, and write unit tests for all of it. All of this within Rails 5.1. You'll gain the confidence to work at every level of the application stack, bringing the right solution to every problem. What You Need: This book covers Postgres 9.5, Rails 5, and Ruby 2.3. You should have some experience with basic Rails concepts and a cursory understanding of JavaScript, CSS, and SQL, but by no means need to be an expert. You'll learn how to install Postgres on your computer or use a free version of it in the cloud.

Rails, Angular, Postgres, and Bootstrap

This book will help you gain practical knowledge of building modern full-stack web apps from scratch using Angular with a Laravel back end. You will learn the most important technical facets of developing with Angular and Laravel, and demonstrates how to put those skills into practice.

Hands-On Full Stack Web Development with Angular 6 and Laravel 5

The realm of sustainable development focuses on the ability to meet the demands of the present, while not compromising the demands of the future. The knowledge of balancing sustainable development goals with high performance is essential. Even more essential is sharing the practices and accomplishments within sustainable development so that it may be spread throughout many organizations and societal functions. The Handbook of Research on Novel Practices and Current Successes in Achieving the Sustainable Development Goals provides valuable insights, challenges, and practices to highlight the key determinants in achieving the Sustainable Development Goals. This book presents a complex and thorough theoretical infrastructure concerning the Sustainable Development Goals, challenges and practices, as well as an important set of empirical results that will make a tremendous contribution to the analysis of the key determinants specific to the Sustainable Development Goals. Covering topics such as alternative consumption models, non-profit organizations, and sustainable communities, this is an essential text for academicians, scientists, researchers, students, PhD scholars, post-doctoral students, specialists, practitioners, governmental institutions, and policymakers worldwide.

Handbook of Research on Novel Practices and Current Successes in Achieving the Sustainable Development Goals

Take your Bootstrap game to the next level with this practical guide About This Book Packed with easy-to-follow recipes on building responsive web pages with Bootstrap 4 that can be applied to a web project of your choice Build intuitive user interfaces that are mobile-ready with the latest features offered by BS4 Stay on top of the changes that Bootstrap 4 brings to front-end development Craft beautiful UIs and learn best practices, tips and tricks for quick, effortless, and proper Bootstrap 4 development Who This Book Is For If you are a web designer or a developer who is familiar with the basics of Bootstrap and now want to build highly responsive and professional web pages using Bootstrap 4, this cookbook is for you. Familiarity with the fundamentals of HTML, CSS and jQuery, and some experience of incorporating JavaScript plugins is assumed. What You Will Learn Craft beautiful UIs the right way Use jQuery and JavaScript to extend Bootstrap layouts Become more efficient by speeding up your workflow to achieve amazing results in the shortest time possible Setup your environment for future changes of the framework. Stay DRY by quickly prototyping Bootstrap-based websites with the help of Github's own serverless blogging platform, Jekyll Integrate Bootstrap with the most popular JS frameworks, Angular and React Combine Bootstrap with the .NET platform In Detail Bootstrap, one of the most popular front-end frameworks, is perfectly built to design elegant, powerful, and responsive interfaces for professional-level web pages. It supports responsive design by dynamically adjusting your web page layout. Bootstrap 4 is a major update with many impressive changes that greatly enhance the end results produced by Bootstrap. This cookbook is a collection of great recipes that show you how to use all the latest features of Bootstrap to build compelling UIs. This book is using the most up-to-date version of Bootstrap 4 in all its chapters. First off, you will be shown how you can leverage the latest core features of Bootstrap 4 to create stunning web pages and responsive media. You will gradually move on to extending Bootstrap 4 with the help of plugins to build highly customized and powerful UIs. By the end of this book, you will know how to leverage, extend, and integrate bootstrap to achieve optimal results for your web projects. Style and approach Packed full of solutions that can be instantly applied, the practical-based recipes will help you get the most from Bootstrap.

Bootstrap 4 Cookbook

Combine the power of ASP.NET Core with Bootstrap 4 to build elegant, responsive web apps About This Book Updated for Bootstrap 4 and ASP.Net MVC 6, this book shows how to take advantage of the latest new features introduced in both of these industry-leading frameworks Build responsive, mobile-ready apps by combining the power of ASP.NET MVC with Bootstrap Grasp the intricacies of Bootstrap and how to use it with ASP.NET MVC Build your own tools and helpers to assist you in creating ASP.NET MVC Bootstrap sites easily and quickly Master the use of Bootstrap components and plugins with ASP.NET MVC Who This Book Is For If you are an ASP.NET MVC developer and would like to know how to incorporate Bootstrap into your projects, then this book is invaluable to you. Developers with entry-level experience of ASP.NET MVC development and limited experience with

Bootstrap will also benefit from this book. What You Will Learn Create a new ASP.NET MVC project that uses Bootstrap for its styling and learn how to include external libraries using the new package managers Learn to use the various Bootstrap CSS and HTML elements, and how to use the new Bootstrap 4 grid layout system Explore the different input groups and implement alerts, progress bars, and badges Explore JavaScript components by illustrating and walking through the process of using JavaScript/jQuery to add interactivity to Twitter Bootstrap components Build your own ASP.NET MVC helpers and tag helpers to reduce the amount of HTML needed to generate Bootstrap elements Convert a Bootstrap HTML template into a usable ASP.NET MVC project Use the jQuery DataTables plugin with Bootstrap and ASP.NET MVC In Detail One of the leading open source frontend frameworks, Bootstrap has undergone a significant change and introduced several features that make designing compelling, next-generation UIs much simpler. Integrating Bootstrap with ASP.NET's powerful components can further enhance its capabilities. This book guides you through the process of creating an ASP.NET MVC website from scratch using Bootstrap. After a primer on the fundamentals of Bootstrap, you will learn your way around and create a new ASP.NET MVC project in Visual Studio. You will move on to learn about the various Bootstrap components as well as techniques to include them in your own projects. The book includes practical examples to show you how to use open-source plugins with Bootstrap and ASP.NET MVC and guides you through building an ASP.NET MVC website using Bootstrap, utilizing layout and user-interface components. At the end of this book, you will find some valuable tips and tricks to help you get the most out of your Bootstrap-integrated and ASP.NET MVC-integrated website. Style and approach This is a compact, step-by-step guide that focuses on combining the power of Bootstrap with ASP.Net MVC to build next-generation web apps. With clear instructions, this book will show how to build a complete ASP.Net MVC-integrated web app from scratch using Bootstrap. It will also cover several tricks for integrating Bootstrap and ASP.Net MVC, and getting the most out of both frameworks.

Bootstrap for ASP.NET MVC

Build SEO-friendly, progressive web applications that live on the web, mobile, or desktop, using the latest Angular Universal which is loaded with powerful features such as components, directives, and services Key FeaturesExplore differences between server-side and client-side renderingLearn how to create a progressive web app with great SEO support Discover best practices and how to use them to develop an appBook Description With the help of Server-Side Enterprise Development with Angular, equip yourself with the skills required to create modern, progressive web applications that load quickly and efficiently. This fast-paced book is a great way to learn how to build an effective UX by using the new features of Angular 7 beta, without wasting efforts in searching for referrals. To start off, you'll install Angular CLI and set up a working environment, followed by learning to distinguish between the container and presentational components. You'll explore advanced concepts such as making requests to a REST API from an Angular application, creating a web server using Node.js and Express, and adding dynamic metadata. You'll also understand how to implement and configure a service worker using Angular PWA and deploy the server-side rendered app to the cloud. By the end of this book, you'll have developed skills to serve your users views that load instantly, while reaping all the SEO benefits of improved page indexing. What you will learnIdentify what makes an Angular application SEO-friendlyGenerate commands to create components and servicesDistinguish between the container and presentational componentsImplement server-side rendering using Angular UniversalCreate a web server using Node.js and ExpressAdd dynamic metadata to your web applicationDeploy a server-side rendered app to the cloudImplement and configure a service worker using Angular PWAWho this book is for Server-Side Enterprise Development with Angular is for you if you are an experienced front-end developer who wants to quickly work through examples that demonstrate all the key features of server-side development. You need some prior exposure to Angular to follow through this book.

Server-Side Enterprise Development with Angular

Roll up your sleeves and jump into building web applications using .NET Core 2.1 and the most popular JavaScript frameworks. You will start by building a data access layer using Entity Framework Core, a RESTful service using ASP.NET Core, and then you will build a web application following the MVC pattern, also using ASP.NET Core. The resulting application is an example e-commerce site using the most appropriate capabilities in .NET Core for building a line of business applications. The second half of Building Web Applications with .NET Core 2.1 and JavaScript is dedicated to teaching you how to develop applications on the client with JavaScript, Bootstrap, and related tooling such as TypeScript, WebPack, NPM, and more. Each JavaScript framework will build the same UI as the ASP.NET Core

web application from the first half of the book, leveraging the same ASP.NET Core RESTful service and Entity Framework Core data access layer. Building the same UI in the different JavaScript frameworks provides the context and knowledge to reasonably compare and contrast the tools. What You Will Learn Ramp up quickly on Entity Framework Core and ASP.NET Core Use TypeScript to deliver better JavaScript Manage your JavaScript build process Know how to build UIs with ASP.NET Core MVC, Angular, and React to make better decisions on which technologies to adopt in your projects Conduct an apples-to-apples comparison of ASP.NET Core, Angular, and React Who This Book Is For .NET architects, consultants, and developers who want to modernize their skill set. Some understanding of JavaScript and the Web is useful.

Building Web Applications with .NET Core 2.1 and JavaScript

AngularJS is JavaScript framework to accelerate developer to build front-end web application. This book helps who want to learn AngularJS programming by providing sample code illustration. ****TOC****

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AngularJS Programming by Example

Work with the intricacies of Angular 2 to build efficient and flexible applications

About This Book*

- Effectively structure, write, test, and deploy your application*
- Harness the full power of Angular 2 by creating your own components*
- Query and modify data in various back ends and become proficient with the Promise API

Who This Book Is For

If you are a JavaScript developer looking for a comprehensive learning path that will take you from the essentials to a high intermediate level, then this is the book for you. We assume that you have worked with Angular before and are new to Angular2. Working knowledge of HTML, CSS, and JavaScript is expected.

What You Will Learn*

- Design and code an effective navigation schema in your web application*
- Apply the dependency injection principle when designing Angular 2 components and services*
- Secure your web application from unauthorized users*
- Quickly create complex forms, taking full advantage of 2-way data binding*
- Unit test your code using the Jasmine BDD testing and Protractor frameworks*
- Integrate Bootstrap with Angular 2 using native directives*
- Utilize Angular 2 built-in classes to apply animation in your app

Detail

Are you a JavaScript developer with some experience of Angular JS under your belt? Are you wondering how the experts create more organized, readable, and testable code? Then your wait ends with this book. We'll teach you to build faster, more efficient, and more flexible applications. On this journey, you'll adopt the best practices and see an easier approach to migrating your existing Angular 1 app to Angular 2. You'll work with components, implement routing and navigation, and use asynchronous programming effectively using Observables. You will learn about template syntax and beautify Angular 2 applications with Material Design, then you'll progressively enhance your applications by managing services and animations. Next you'll integrate Bootstrap with Angular 2 using native directives and test your application using Jasmine and Protractor. At the end of the book, we'll dive deep into design patterns and you'll see how to implement them in your very own application.

Mastering Angular 2

Learn the fundamentals of ASP.NET MVC and build real-world web applications using ASP.NET Core MVC About This Book Get a first-principles coverage of ASP.NET MVC and the latest release, Core This book is uniquely designed for developers who are looking to transition their skills into the .NET development field The standalone chapter structure leaves you free to explore ASP.NET MVC to immediately solve your pain points Who This Book Is For This book is for developers who want to learn to build web applications using ASP.NET Core, developers who want to make a career building web applications using Microsoft technology, and developers who are working in Ruby on Rails or other web frameworks and want to learn ASP.NET Core MVC. No knowledge of the ASP.NET platform or the .NET platform is required. Even though you do not need to have experience in C#, an understanding of the basic constructs (loops, conditionals, classes, and objects) of any modern programming language would be helpful. What You Will Learn Get to know the concepts of ASP.NET MVC and build a new static web page using HTML, CSS, and jQuery Set up a development environment and run a sample application using the template Create a Controller with action methods Build a view using several features of the Razor View engine Construct a Model for ASP.NET Core MVC application Devise a custom mechanism to provide maximum flexibility to your application through routing Validate the user input on the client side using jQuery Enhance your applications using Bootstrap Explore new configuration and deployment scenarios—step by step guide to deploying ASP.NET Core web application in Linux In Detail ASP.NET Core MVC helps you build robust web applications using the Model-View-Controller design. This guide will help you in building applications which can be deployed on non-windows platforms such as Linux. In today's age, it is crucial that you possess the ability to separate the programming and business logic, and this is exactly what ASP.NET Core MVC application will help you achieve. This version comes with a number of improvements that enable fast, TDD-friendly development to create sophisticated applications. You would also learn the fundamentals of Entity framework and on how to use the same in ASP.NET Core web applications. The book presents the fundamentals and philosophies of ASP.NET Core. Starting with an overview of the MVC pattern, we quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating your application with Bootstrap, validating user input, interacting with databases, and deploying your application are some of the things that you will be able to execute with this fast-paced guide. The end of the book will test your knowledge as you build a fully working sample application using the skills you've learned throughout the book. Style and approach This book takes a first-principles approach to help you understand and implement ASP.NET MVC solutions. It is focused primarily on giving you practical skills rather than the old conventional theoretical teaching.

Learning ASP.NET Core MVC Programming

Building Single Page App using ASP.NET Core and Angular is not at all meant for freshers or for those who just started programming. This Book covers tons of client-server side technologies. For example it uses ASP.NET Core, Entity Framework Core, WebAPI, Repository Pattern, Unit of Work Pattern, Angular, Responsive design principles, HTML 5, Solid Principles, Design Patterns, etc. to name a few. Now to illustrate each and every concept right from the scratch is fairly impossible as it kills the purpose of writing this book. This book is for my readers who regularly ask me to write something combining all these principles. There are tons of developers and professionals around the world who know these concepts in bits and pieces but don't know how to connect the dots to build as an application. This book is entirely written around industry & coding standard, design principles. Hence, if you are fresher or just started your job, I would recommend to understand basics first and then refer this book. Otherwise, this will appear overwhelming at the beginning. From the second chapter, you will find questions section at the end of every chapter. If you are following this book precisely, you should be able to answer these questions on your own. These are project specific questions which are generally asked in any technical interviews. CONTENTS Chapter 1: Getting Started Chapter 2: Creating Solution From The Blank Slate Chapter 3: Creating Data Context Chapter 4: Implementing Web API Chapter 5: Getting Started with Angular Chapter 6: Deeper into Angular Chapter 7: Adding More Features Using Angular Chapter 8: Adding More Features to the App Chapter 9: Authentication & Authorisation Chapter 10: Introduction to Azure and CosmosDb

Building Single Page App Using ASP.NET Core and Angular

Attention .NET developers who no longer want to use JavaScript for your front end. Quickly and efficiently learn how to use C# for your single-page application (SPA) thanks to Blazor. Today's reality is that most modern applications are web-based and if you want the same user experience as a desktop application, you need to be able to create a single-page application. While there are multiple frameworks and libraries to choose from (including Angular, React, and VueJS), you still need to know how to code in JavaScript. But now there is another option from Microsoft. Blazor is an open-source framework that enables developers to create web applications using C# and HTML, and everything you need to get started is covered in this guide. You will learn the steps, through build-along coding examples, that will allow you to use the same language for both the front end and the back end of your application. This book is designed to get you comfortable creating a single-page application in the shortest time possible. Get ready to create a complete business application that teaches and reinforces the skills you need in a Blazor production environment. What You Will Learn Develop the front end of an application using C# and .NET Core Use this quick-start for .NET developers who need to improve their application with a single-page front end Take a code-first approach that models an actual business application Gain insights for developing a high-functioning and maintainable application Study guidance on repurposing your .NET skill set Who This Book Is For C# and .NET developers who have some experience in web development

Building Single Page Applications in .NET Core 3

Full Stack Developer, bir web projesini veya var olan projede yürüten i i ba_l1 ba_1na bir ba_ka developer yard1m1na ihtiyaç duymadan tamamlayan ki_idir. Hem front-end hem back-end taraf1nda bilgi ve pratik sahibi oldu u için problemsiz bir _ekilde iki alanda da çal1_arak geli_tirme yapabilmektedir. Bu kitap ile ASP.Net MVC ve Full Stack Developer kavramlar1n1 inceleyece iz. Eserde Backend veya FrontEnd Developer olarak çal1_an ki_ilerin birbirlerine ihtiyaçlar1n1 minimum seviyeye getirilmesini amaçlayan konular ele al1nm1_t1r. Ayr1ca bu alanda proje geli_tirmek isteyenler için giri_ten ileri seviyeye kadar birçok konu bulunmaktadır. • ASP.Net MVC • AngularJS • Routing • Database ile Çal1_ma • Entity Framework • Unit of Work • Code First Development • MongoDB • Exception Handling • Bootstrap ve JQuery • Log4Net • Redis • MemCached • Web API • JSON ve XML Serialization • BSON • CQRS Basic Patterns • Seperation Of Concerns • Design Principles • SOLID Principles • Dependency Injection • Inversion of Control • Design Pattern • Generic Repository Pattern • SQL Server Transaction RollBack • Test Driven Development • Ncrunch Nedir? • Refactoring • Team Foundation Server (TFS)

FULL STACK MVC

In just 24 sessions of one hour or less, you will be up and running with AngularJS in your Microsoft .NET environment. Using a straightforward, step-by-step approach, each lesson builds on your .NET skills and knowledge, helping you quickly learn the essentials of AngularJS, and use it to streamline any web development project. Step-by-step instructions carefully walk you through the most common questions, issues, and tasks. Q&A sections, quizzes, and exercises help you build and test your knowledge. By The Way notes present interesting pieces of information. Try it Yourself sidebars offer advice or teach an easier way to do something. Watch Out! cautions advise you about potential problems and help you steer clear of disaster. Dennis Sheppard is a Front-End Architect at NextTier Education in Chicago, IL. He has delivered enterprise solutions for the private equity, insurance, healthcare, education, and distribution industries. Christopher Miller is an Architect at West Monroe Partners. He has built solutions for the higher education, private equity, and renewable energy industries. AJ Liptak, is a Senior Consultant at West Monroe Partners specializing in modern web application development. He has delivered transformative solutions for the telecom, healthcare, finance, and distribution industries. Learn how to... Build AngularJS web apps from scratch, or integrate with existing .NET code Organize, reuse, and test JavaScript web application code far more effectively Discover key JavaScript design patterns that support AngularJS (and their similarities to C#) Use AngularJS modules, controllers, views, data-binding, and event handling Implement AngularJS services efficiently Work with directives, custom directives, and dependency injection Set up AngularJS routing Apply best practices for organizing AngularJS applications Master sophisticated AngularJS techniques, including filters, advanced patterns, and communication between controllers Deploy AngularJS code to the Microsoft Azure cloud Unit-test and debug your single page applications Integrate AngularJS with .NET Web Forms and .NET MVC Build REST APIs in .NET and consume their services in AngularJS Combine AngularJS with .NET SignalR to build real-time web apps Extend AngularJS development with bower, gulp, and webstorm Preview the future of AngularJS: Version 2.0 and beyond

