

# Testing Angular Applications Covers Angular 2

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*Testing Angular Applications Covers Angular 2*

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## KEITH CUNNINGHAM

Learn Angular: The Collection Packt Publishing Ltd  
Summary Angular Development with TypeScript, Second Edition is an intermediate-level tutorial that introduces Angular and TypeScript to developers comfortable with building web applications using other frameworks and tools. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Whether you're building lightweight web clients or full-featured SPAs, Angular is a clear choice. The Angular framework is fast, efficient, and widely adopted. Add the benefits of developing in the statically typed, fully integrated TypeScript language, and you get a programming experience other JavaScript frameworks just can't match. About the Book Angular Development with TypeScript, Second Edition teaches you how to build web applications with Angular and TypeScript. Written in an accessible, lively style, this illuminating guide covers core concerns like state management, data, forms, and server communication as you build a full-featured online auction app. You'll get the skills you need to write type-aware classes, interfaces, and generics with TypeScript, and discover time-saving best practices to use in your own work. What's inside Code samples for Angular 5, 6, and 7 Dependency injection Reactive programming The Angular Forms API About the Reader Written for intermediate web developers familiar with HTML, CSS, and JavaScript. About the Author Yakov Fain and Anton Moiseev are experienced trainers and web application developers. They have coauthored several books on software development. Table of Contents Introducing Angular The main artifacts of an Angular app Router basics Router advanced Dependency injection in Angular Reactive programming in Angular Laying out pages with Flex Layout Implementing component communications Change detection and component lifecycle Introducing the Forms API Validating forms Interacting with servers using HTTP Interacting with servers using the WebSocket protocol Testing Angular applications Maintaining app state with ngRx

### Learning Angular

Basic to Advance learning of Angular concepts DESCRIPTION This book is an Essentials guide for every Angular developer. It covers all required topics an Angular developer need to get started. This book is written in Angular version 7 and explains vital concepts of Angular in extremely descriptive way with lot of code examples. KEY FEATURES A complete overview of the key aspects of Angular Up to date with the latest Angular release The book covers the framework's mental model, API, and the design principles behind it. WHAT WILL YOU LEARN Components & Binding, Web API SPAs & Routing, Template Driven Forms Forms, HTTP Unit Testing, ngModel, Angular Directives Pipes, Ignite UI WHO THIS BOOK IS FOR Students of Polytechnic Diploma Classes- Computer Science/ Information Technology Graduate Students- Computer Science/ CSE / IT/ Computer Applications Master Class Students—Msc (CS/IT)/ MCA/ M.Phil, M.Tech, M.S. Industry

Professionals- Preparing for Certifications Table of Contents 1. Introduction 2. Component and Data Binding 3. Components Communications 4. Angular Directives 5. ViewEncapsulation in Angular 6. Pipes 7. Template Driven Forms 8. Reactive Forms 9. Angular Routing 10. Change Detection 11. Services and Providers 12. Working with API and \$http 13. Advanced Components Angular Development with Typescript Apress Represents a self-contained account of a new promising and generally applicable approach to a large class of one-sided testing problems, where the alternative is restricted by at least two linear inequalities. It highlights the geometrical structure of these problems. It gives guidance in the construction of a so-called Circular Likelihood Ratio (CLR) test, which is obtained if the linear inequalities, or polyhedral cone, are replaced by one suitable angular inequality, or circular cone. Such a test will often constitute a nice and easy-to-use compromise between the LR-test and a suitable linear test against the original alternative. The book treats both theory and practice of CLR-tests. For cases with up to 13 linear inequalities, it evaluates the power of CLR-tests, derives the most stringent CLR-test, and provides tables of critical values. It is of interest both to the specialist in order-restricted inference and to the statistical consultant in need of simple and powerful one-sided tests. Many examples are worked out for ANOVA, goodness-of-fit, and contingency table problems. Case studies are devoted to Mokken's one-dimensional scaling model, one-sided treatment comparison in a two-period crossover trial, and some real data ANOVA- layouts (biology and educational psychology).

### Architecting Angular Applications with Redux, RxJS, and NgRx

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.

[EssentialsAngular](#) Packt Publishing Ltd

Summary Testing Angular Applications is an example-rich, hands-on guide that gives you the real-world techniques you need to thoroughly test all parts of your Angular applications. By the end of this book, you'll be able to confidently write unit and end-to-end tests for Angular applications in TypeScript. Foreword by Brad Green, Google. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Don't leave the success of your mission-critical Angular apps to chance. Proper testing improves code quality, reduces maintenance costs, and rewards you with happy users. New tools and best practices can streamline and automate all aspects of testing web apps, both in development and in production. This book gets you started. About the Book Testing Angular Applications teaches you how to make testing an essential part of your development and production processes. You'll start by setting up a simple unit testing system as you learn the fundamental practices. Then, you'll fine-tune it as you discover the best tests for Angular components, directives, pipes, services, and routing. Finally, you'll explore end-to-end testing, mastering the Protractor framework, and inserting Angular apps into your continuous integration pipeline. What's inside Getting to know TypeScript Writing and debugging unit tests Writing and debugging end-to-end tests with Protractor Building continuous integration for your entire test suite About the Reader This book is for readers with intermediate JavaScript skills. About the Author Jesse Palmer is a senior engineering manager at Handshake. Corinna Cohn is a single-page web application specialist. Mike Giambalvo and Craig Nishina are engineers at Google. Table of Contents Introduction to testing Angular applications PART 1 - Unit testing Creating your first tests Testing components Testing directives Testing pipes Testing services Testing the router PART 2 - End-to-end testing Getting started with Protractor Understanding timeouts Advanced Protractor topics PART 3 - Continuous integration Continuous integration Appendix A - Setting up the sample project Appendix B - Additional resources

[Angular: Up and Running](#) Packt Publishing Ltd

Summary Getting MEAN, Second Edition teaches you how to develop full-stack web applications using the MEAN stack. This edition was completely revised and updated to cover MongoDB 4, Express 4, Angular 7, Node 11, and the latest mainstream release of JavaScript ES2015. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Juggling languages mid-application can radically slow down a full-stack web project. The MEAN stack—MongoDB, Express, Angular, and Node—uses JavaScript end to end, maximizing developer productivity and minimizing context switching. And you'll love the results! MEAN apps are fast, powerful, and beautiful. About the Book Getting MEAN, Second Edition teaches you how to develop full-stack web applications using the MEAN stack. Practical from the very beginning, the book helps you create a static site in Express and Node. Expanding on that solid foundation, you'll integrate a MongoDB database, build an API, and add an authentication system. Along the way, you'll get countless pro tips for building dynamic and responsive data-driven web applications! What's inside MongoDB 4, Express 4, Angular 7, and Node.js 11 MEAN stack architecture Mobile-ready web apps Best practices for efficiency and reusability About the Reader Readers should be comfortable with standard web application designs and ES2015-style JavaScript. About the Author Simon Holmes and Clive Harber are full-stack developers with decades of experience in JavaScript and other leading-edge web technologies. Table of Contents PART 1 - SETTING THE BASELINE Introducing full-stack development Designing a MEAN stack architecture PART 2 - BUILDING A NODE WEB APPLICATION Creating and setting up a MEAN project Building a static site with Node and Express Building a data model with MongoDB and Mongoose Writing a REST API: Exposing the MongoDB database to the application Consuming a REST API: Using an API from inside Express PART 3 - ADDING A DYNAMIC FRONT END WITH ANGULAR Creating an Angular application with TypeScript Building a single-page application with Angular: Foundations Building a single-page application with Angular: The next level PART 4 - MANAGING AUTHENTICATION AND USER SESSIONS Authenticating users, managing sessions, and securing APIs Using an authentication API in Angular applications *Accelerating Angular Development with Ivy* Simon and Schuster Over 60 recipes that provide practical solutions to every Angular2 challenge About This Book\* This first-rate reference guide has a clear structure and intuitive index that gives you as a developer exactly the information you want in exactly the way you want it—easy to search, browse, or consult when you're faced with a problem you need to solve\* This book is divided into recipes. This format has been praised by readers for being "easily-digestible" and "self-contained". These bite-size chunks save you time and energy, and keep concepts clear\* The wide range of topics covered means this book is relevant to you no matter what your capability level\* Marvellously written, the author provides expert guidance in clear and concise prose Who This Book Is For This book is for developers who are competent with JavaScript and are looking to dive headfirst into the TypeScript edition of Angular 2. This book is also geared towards developers with experience in Angular 1 who are looking to make the transition. What you will learn\* Understand how to best move an Angular 1 application to Angular 2\* Build a solid foundational understanding of the core elements of Angular 2 such as components, forms, and services\* Gain an ability to wield complex topics such as Observables and Promises\* Properly implement applications utilizing advanced topics such as dependency injection\* Know how to maximize the performance of Angular 2 applications\* Understand the best ways to take an Angular 2 application from TypeScript in a code editor to a fully function application served on your site\* Get to know

the best practices when organizing and testing a large Angular 2 application. In Detail Angular 2 introduces an entirely new paradigm of applications. It wholly embraces all the newest concepts that are built into the next generation of browsers, and it cuts away all the fat and bloat from Angular 1. This book plunges directly into the heart of all the most important Angular 2 concepts. Alongside the book's Angular 2 content, it covers the new ES6 syntax, TypeScript conventions, Web Components, and RxJS observables, among many other brand new concepts. Make no mistake, Angular 2 is difficult, especially if you're discovering new technologies and standards for the first time. This book covers all the most complicated concepts the framework has, and at the same time introduces the best practices with which to wield these powerful tools. It also covers in detail all the concepts that will get you building applications faster. Oft-neglected topics such as testing and performance are rigorously covered. This book will guide you so you understand Angular 2 from top to bottom.

**MEAN Cookbook** Sams Publishing

Annotation Develop smaller, lighter web apps that are simple to create and easy to test, extend, and maintain as they grow. This hands-on guide introduces you to AngularJS, the open source JavaScript framework that uses model-view-controller (MVC) architecture, data binding, client-side templates and dependency injection to create a much-needed structure for building web apps.

**Test-Driving JavaScript Applications** Packt Publishing Ltd

Write free, open-source, cross-platform, dynamic JavaScript applications that can run anywhere using the MEAN stack - MongoDB, ExpressJS, AngularJS, and Node.js. With this book Mac developers will get the tools needed to set up, write code once, and be able to deploy code on any device. You will be able to cut development time by using one stack to serve all your development needs. Pro MEAN Stack Development enables you to quickly learn everything needed to work effectively with MEAN, from setting up your toolstack to rolling out your free servers, and deploying on any device. You will also learn to build scripts with Grunt and Gulp, Webpack, and Vagrant and how to deploy to the web and mobile using Phonegap. Harness JavaScript to create dynamic and easily-maintainable applications fast and 100% free. Master the MEAN stack with this book today. What You Will Learn Utilize JavaScript for the entire development cycle from front end to back end, database and deployment. Learn to write responsive code that can be deployed on any device. Become a well-rounded developer and be able to understand the entire development cycle. Learn to utilize free open source and cloud services to deploy production-grade code. Who This Book Is For Front or back end Mac developers familiar with JavaScript and interested in utilizing the MEAN stack to deploy successful apps on all devices.

**Pro Angular 6** Simon and Schuster

If you are a web application developer interested in using AngularJS for a real-life project, then this book is for you. As a prerequisite, knowledge of JavaScript and HTML is expected, and a working knowledge of AngularJS is preferred.

**AngularJS for .NET Developers in 24 Hours, Sams Teach Yourself** Packt Publishing Ltd

A hands-on guide with a minimalist and flexible approach that enables quick learning and rapid delivery of cloud-ready enterprise applications with Angular 6 Key Features Explore tools and techniques to push your web app to the next level Master Angular app design and architectural considerations Learn continuous integration and deploy your app on a highly available cloud infrastructure in AWS Book Description Angular 6 for Enterprise-Ready Web Applications follows a hands-on and minimalist approach demonstrating how to design and architect

high quality apps. The first part of the book is about mastering the Angular platform using foundational technologies. You will use the Kanban method to focus on value delivery, communicate design ideas with mock-up tools and build great looking apps with Angular Material. You will become comfortable using CLI tools, understand reactive programming with RxJS, and deploy to the cloud using Docker. The second part of the book will introduce you to the router-first architecture, a seven-step approach to designing and developing mid-to-large line-of-business applications, along with popular recipes. You will learn how to design a solid authentication and authorization experience; explore unit testing, early integration with backend APIs using Swagger and continuous integration using CircleCI. In the concluding chapters, you will provision a highly available cloud infrastructure on AWS and then use Google Analytics to capture user behavior. By the end of this book, you will be familiar with the scope of web development using Angular, Swagger, and Docker, learning patterns and practices to be successful as an individual developer on the web or as a team in the Enterprise. What you will learn Create full-stack web applications using Angular and RESTful APIs Master Angular fundamentals, RxJS, CLI tools, unit testing, GitHub, and Docker Design and architect responsive, secure and scalable apps to deploy on AWS Adopt a minimalist, value-first approach to delivering your app with Kanban Get introduced to automated testing with continuous integration on CircleCI Optimize Nginx and Node.js web servers with load testing tools Who this book is for This book is for developers who want to confidently deliver high-quality and production-grade Angular apps from design to deployment. We assume that you have prior experience in writing a RESTful API with the tech stack of your choice; if you don't, you can still gain a lot of benefit from this book, which focuses on the entire scope of frontend development, from design to deployment!

**Building Large-Scale Web Applications with Angular** Packt Publishing Ltd

Summary AngularJS in Action covers everything you need to know to get started with the AngularJS framework. As you read, you'll explore all the individual components of the framework and learn how to customize and extend them. You'll discover the emerging patterns for web application architecture and tackle required tasks like communicating with a web server back-end. Along the way, you'll see AngularJS in action by building real world applications with thoroughly commented code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology AngularJS is a JavaScript-based framework that extends HTML, so you can create dynamic, interactive web applications in the same way you create standard static pages. Out of the box, Angular provides most of the functionality you'll need for basic apps, but you won't want to stop there. Intuitive, easy to customize, and test-friendly, Angular practically begs you to build more interesting apps. About the Book AngularJS in Action teaches you everything you need to get started with AngularJS. As you read, you'll learn to build interactive single-page web interfaces, apply emerging patterns like MVVM, and tackle key tasks like communicating with back-end servers. All examples are supported by clear explanations and illustrations along with fully annotated code listings. This book assumes you know at least some JavaScript. No prior exposure to AngularJS is required. What's Inside Get started with AngularJS Write your own components Best practices for application architecture Progressively build a full-featured application Covers Angular JS 1.3 Sample application updated to the latest version of Angular About the Author Lukas Ruebbelke is a full-time web developer and an active contributor to the AngularJS community. Table of

Contents PART 1 GET ACQUAINTED WITH ANGULARJS Hello AngularJS Structuring your AngularJS applicationPART 2 MAKE SOMETHING WITH ANGULARJS Views and controllers Models and services Directives Animations Structuring your site with routes Forms and validations APPENDIXES Setting up Karma Setting up a Node.js server Setting up a Firebase server Running the app [Angular 2 Cookbook - Second Edition](#) Simon and Schuster

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

*NativeScript for Angular Mobile Development* Oswaal Books and Learning Private Limited

Student and instructor-led training manual for building web applications with the Angular framework. Relevant, timely and up-to-date resources for each chapter Over 450 pages of content, including: Lectures 40+ Guided Exercises (to be done with the instructor) 8+ Practice Exercises (to be done with or without instructor guidance) 10+ Challenge Exercises (to be completed by the student) Numerous Homework Exercises (to be done after class, or in-class for advanced students) Quizzes Games Links to micro-learning content such as: Posters/Infographics Interactive webpages for review of material Simple quizzes for spaced learning Demo files demonstrating previously encountered subject matter This course provides the necessary information for building websites and web applications using the Angular framework. Throughout of the course, attendees will build a simple web application while covering the required fundamental topics. By the end of the course, the learner will be able to: know where to find help while building Angular applications install

browser extensions that will help debug Angular applications install all of the software and tooling required to build Angular applications use nodejs and npm or yarn to install code into projects run a command line interface fetch code from a public code repository test the installation of the software and tools required to build an Angular application build the first phase of any Angular application clone an Angular application from a code repository properly scaffold an Angular application create the HTML content seen by the user in a web browser use modern TypeScript techniques that simplify the creation of web applications use Google's Angular Command Line Interface tool to make code modules that make up an Angular web application add features to an application using reusable components customize the look and feel of their Angular applications without using redundant code use 3rd party style libraries to quickly style Angular applications reuse application components by substituting different content for each use case control the applications component data quickly and efficiently add dynamic content in the user interface that changes depending on user activity add features and business logic to their application easily add predefined functionality to an application's components using dependency injection share data between components using a simple method share application functionality in multiple applications change the user interface of the application through DOM manipulation by hiding and showing features programmatically allow the user to move from screen to screen while interacting with the application collect data from the user by adding forms to the user interface send data to any part of the application that needs it using RXJS observables retrieve data from a server, process and display the data in the user interface of the application format data displayed in the user interface as numbers, currency, and the like including custom formats prohibit users from accessing parts of the application prevent users from leaving a screen such as an incomplete form without first receiving a warning allow users to read create, read update and delete data on the server use the two testing frameworks that come with the Angular framework write tests that confirm that their code functions as expected describe how an Angular application bootstraps use semantic versioning to version their web applications understand the basics of web app development

**AngularJS: Up and Running** John Wiley & Sons

Revised and updated second edition of the bestselling hands-on guide to building enterprise-ready web apps using an evergreen Angular platform Key FeaturesUpdated examples, projects, and a new overview of tools - including NgRX and Ivy, automated testing, and Firebase authenticationNew chapter summarizing history of web frameworks and Angular version updatesAll-new RESTful API implementation leveraging the MEAN stack with MongoDB, Express.js, Angular and Node.jsBook Description This second edition of Angular for Enterprise-Ready Web Applications is updated with in-depth coverage of the evergreen Angular platform. You'll start by mastering Angular programming fundamentals. Using the Kanban method and GitHub tools, you'll build great-looking apps with Angular Material and also leverage reactive programming patterns with RxJS, discover the flux pattern with NgRx, become familiar with automated testing, utilize continuous integration using CircleCI, and deploy your app to the cloud using Vercel Now and GCloud. You will then learn how to design and develop line-of-business apps using router-first architecture with observable data anchors, demonstrated through oft-used recipes like master/detail views, and data tables with pagination and forms. Next, you'll discover robust authentication and authorization design demonstrated via integration with Firebase, API documentation using Swagger, and API implementation using the MEAN stack. Finally, you will learn

about DevOps using Docker, build a highly available cloud infrastructure on AWS, capture user behavior with Google Analytics, and perform load testing. By the end of the book, you'll be familiar with the entire gamut of modern web development and full-stack architecture, learning patterns and practices to be successful as an individual developer on the web or as a team in the enterprise. What you will learn Adopt a minimalist, value-first approach to delivering web apps Master Angular development fundamentals, RxJS, CLI tools, GitHub, and Docker Discover the flux pattern and NgRx Implement a RESTful APIs using Node.js, Express.js, and MongoDB Create secure and efficient web apps for any cloud provider or your own servers Deploy your app on highly available cloud infrastructure using DevOps, CircleCI, and AWS Who this book is for This book is for developers who want to confidently deliver high-quality and production-grade Angular apps from design to deployment. Developers that have prior experience in writing a RESTful APIs will also benefit, as well as developers who will gain greater awareness of how they fit into the larger picture of delivering a web application. Prior experience with RESTful APIs is desired.

#### **Angular Projects** Packt Publishing Ltd

Get a comprehensive introduction to the major Angular framework rewrite known as Angular Ivy Key Features Upgrade your Angular applications from traditional View Engine to modern Angular Ivy Get a detailed walkthrough of the new features and breaking changes in Angular Explorer new Angular APIs, syntax, tooling, and configurations for modern frontend web development Book Description Angular Ivy is the latest rendering engine and compiler introduced in Angular. Ivy helps frontend developers to make their Angular applications faster, better optimized, and more robust. This easy-to-follow guide will help you get to grips with the new features of Angular Ivy and show you how to migrate your Angular apps from View Engine to Ivy. You'll begin by learning about the most popular features of Angular Ivy with the help of simple stand-alone examples and realize its capabilities by working on a real-world application project. You'll then discover strategies to improve your developer workflow through new debugging APIs, testing APIs, and configurations that support higher code quality and productive development features. Throughout the book, you'll explore essential components of Angular, such as Angular Component Dev Kit (CDK), Ahead-of-time (AOT) compilation, and Angular command line interface (CLI). Finally, you'll gain a clear understanding of these components along with Angular Ivy which will help you update your Angular applications with modern features. By the end of this Angular Ivy book, you will learn about the core features of Angular Ivy, discover how to migrate your Angular View Engine application, and find out how to set up a high-quality Angular Ivy project. What you will learn Find out why Angular Ivy tests are faster and more robust Explore the concept of CSS custom properties and scoping of values and learn how to use them with Angular Ivy Use testing harnesses present in Angular components to write effective tests Explore the architecture of the Angular compatibility compiler and understand why it is important Discover effective techniques for migrating your existing Angular apps to the Ivy engine Overcome challenges that you might face when switching to AOT compilation Who this book is for This book is for experienced Angular web developers who want to migrate to the latest Ivy engine for building faster web applications. Intermediate knowledge of Angular and TypeScript will help you get the most out of this book.

#### *Angular 2 Cookbook, 2nd Edition* Simon and Schuster

Summary AngularJS in Action covers everything you need to know to get started with the AngularJS framework. As you read,

you'll explore all the individual components of the framework and learn how to customize and extend them. You'll discover the emerging patterns for web application architecture and tackle required tasks like communicating with a web server back-end. Along the way, you'll see AngularJS in action by building real world applications with thoroughly commented code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology AngularJS is a JavaScript-based framework that extends HTML, so you can create dynamic, interactive web applications in the same way you create standard static pages. Out of the box, Angular provides most of the functionality you'll need for basic apps, but you won't want to stop there. Intuitive, easy to customize, and test-friendly, Angular practically begs you to build more interesting apps. About the Book AngularJS in Action teaches you everything you need to get started with AngularJS. As you read, you'll learn to build interactive single-page web interfaces, apply emerging patterns like MVVM, and tackle key tasks like communicating with back-end servers. All examples are supported by clear explanations and illustrations along with fully annotated code listings. This book assumes you know at least some JavaScript. No prior exposure to AngularJS is required.

What's Inside Get started with AngularJS Write your own components Best practices for application architecture Progressively build a full-featured application Covers Angular JS 1.3 Sample application updated to the latest version of Angular About the Author Lukas Ruebbelke is a full-time web developer and an active contributor to the AngularJS community. Table of Contents PART 1 GET ACQUAINTED WITH ANGULARJS Hello AngularJS Structuring your AngularJS application PART 2 MAKE SOMETHING WITH ANGULARJS Views and controllers Models and services Directives Animations Structuring your site with routes Forms and validations APPENDIXES Setting up Karma Setting up a Node.js server Setting up a Firebase server Running the app *Essential Angular* BPB Publications

Unlock the power of the MEAN stack by creating attractive and real-world projects About This Book Learn about the different components that comprise a MEAN application to construct a fully functional MEAN application using the best third-party modules A step-by-step guide to developing the MEAN stack components from scratch to achieve maximum flexibility when building an e-commerce application Build optimum end-to-end web applications using the MEAN stack Who This Book Is For This learning path is for web developers who are experienced in developing applications using JavaScript. This course is for developers who are interested in learning how to build modern and multiple web applications using MongoDB, Express, AngularJS, and Node.js. What You Will Learn Build modern, end-to-end web applications by employing the full-stack web development solution of MEAN Connect your Express application to MongoDB and use a Mongoose model and build a complex application from start to finish in MongoDB Employ AngularJS to build responsive UI components Implement multiple authentication strategies such as OAuth, JsonWebToken, and Sessions Enhance your website's usability with social logins such as Facebook, Twitter, and Google Secure your app by creating SSL certificates and run payment platforms in a live environment Implement a chat application from scratch using Socket.IO Create distributed applications and use the power of server-side rendering in your applications Extend a project with a real-time bidding system using WebSockets In Detail The MEAN stack is a collection of the most popular modern tools for web development. This course will help you to build a custom e-commerce app along with several other applications. You will progress to creating several applications with MEAN. The first

module in this course will provide you with the skills you need to successfully create, maintain, and test a MEAN application. Starting with MEAN core frameworks, this course will explain each framework key concepts of MongoDB, Express, AngularJS, and Node.js. We will walk through the different tools and frameworks that will help expedite your daily development cycles. After this, the next module will show you how to create your own e-commerce application using the MEAN stack. It takes you step by step through the parallel process of learning and building to develop a production-ready, high-quality e-commerce site from scratch. It also shows you how to manage user authentication and authorization, check multiple payment platforms, add a product search and navigation feature, deploy a production-ready e-commerce site, and finally add your own high-quality feature to the site. The final step in this course will enable you to build a better foundation for your AngularJS apps. You'll learn how to build complex real-life applications with the MEAN stack and a few more advanced projects. You will become familiar with WebSockets, build real-time web applications, create auto-destructing entities, and see how to work with monetary data in Mongo. You will also find out how to a build real-time e-commerce application. This learning path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: MEAN Web Development by Amos Haviv Building an E-Commerce Application with MEAN by Adrian Mejia MEAN Blueprints by Robert Onodi Style and approach This course will begin with the introduction to MEAN, gradually progressing with building applications in each framework. Each transition is well explained, and each chapter begins with the required background knowledge.

*Pro MEAN Stack Development* Simon and Schuster

Best-selling author Adam Freeman shows you how to use Angular in your projects, starting from the nuts and bolts and building up to the most advanced and sophisticated features, going in-depth to give you the knowledge you need. Chapters include common problems and how to avoid them. Additionally, this book now has

accompanying online files for Angular 7; all examples in the book work without changes in Angular 7. Get the most from Angular, the leading framework for building dynamic JavaScript applications. Understand the MVC pattern and the benefits it can offer. What You'll Learn Gain a solid architectural understanding of the MVC Pattern Create rich and dynamic web app clients using Angular Use the ng tools to create and build an Angular project Extend and customize Angular Test your Angular projects What's New in This Edition Revised for the features and changes in Angular 6 and 7 Covers @angular/cli, ng command line tools, and WebPack Includes HttpClient for simplified asynchronous HTTP requests Presents updates to pipes and localized text display Who This Book Is For Web developers with a foundation knowledge of HTML and JavaScript who want to create rich client-side applications

*Angular 6 for Enterprise-Ready Web Applications* "O'Reilly Media, Inc."

Angular 5 updates for this book are now available. Follow the Download source code link for this book on the Apress website. Get the most from Angular 2, the leading framework for building dynamic JavaScript applications. Best-selling author Adam Freeman begins by describing the MVC pattern and the benefits it can offer and then shows you how to use Angular in your projects, starting from the nuts-and-bolts and building up to the most advanced and sophisticated features, going in-depth to give you the knowledge you need. Each topic is covered clearly and concisely and is packed with the details you need to learn to be truly effective. The most important features are given a no-nonsense in-depth treatment and chapters include common problems and details of how to avoid them. What you'll learn Gain a solid architectural understanding of the MVC Pattern Learn how to create rich and dynamic web app clients using Angular 2 Learn how to extend and customize Angular 2 Learn how to test your Angular 2 projects Who this book is for Web developers with a foundation knowledge of HTML and JavaScript who want to create rich client-side applications.