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Angular for Material Design Venkata Keerti Kotaru 2019-12-09 Build Angular applications faster and better with TypeScript and Material Design. You will learn how to build a web interface and use Google's open source Angular Material library of ready-made and easy-to-use components. This book uses Angular with TypeScript (a superset to JavaScript) to enable use of data types and take advantage of programming constructs such as classes, interfaces, generic templates, and more. You also will utilize various Angular features, including data binding, components, services, etc. You will build a single page application with the help of routing capabilities available out of the box (Angular CLI) and interface with remote services over HTTP. What You Will Learn Build an application using Angular, TypeScript, and Angular Material

Understand Angular concepts such as components, directives, services, and more Use TypeScript features, including data types, classes, interfaces, generic templates, etc. Build a single page application (SPA) with routing features and integrate it with server-side remote services Who This Book Is For Beginning to intermediate level professionals will learn about web development using Angular, TypeScript, and Angular Material. Patterns and practices are recommended to be a successful developer. Basic knowledge of JavaScript is helpful.

[Angular Development with Typescript](#) Yakov Fain 2019 Includes free eBook download in PDF, ePub, and Kindle formats.

Angular: Up and Running Shyam Seshadri 2018-05-31 This book will demystify Angular as a framework, as well as provide clear instructions and examples on how to get started with writing scalable Angular

applications. Angular: Up & Running covers most of the major pieces of Angular, but in a structured manner that is generally used in hands-on training. Each chapter takes one concept, and use examples to cover how it works. Problems to work on (with solutions) at the end of each chapter reinforce the learnings of each chapter and allow readers to really get hands-on with Angular.

Programming TypeScript Boris Cherny 2019-04-25 Any programmer working with a dynamically typed language will tell you how hard it is to scale to more lines of code and more engineers. That's why Facebook, Google, and Microsoft invented gradual static type layers for their dynamically typed JavaScript and Python code. This practical book shows you how one such type layer, TypeScript, is unique among them: it makes programming fun with its powerful static type system. If you're a programmer with intermediate JavaScript experience, author Boris Cherny will teach you how to master the TypeScript language. You'll understand how TypeScript can help you eliminate bugs in your code and enable you to scale your code across more engineers than you could before. In this book, you'll: Start with the basics: Learn about TypeScript's different types and type operators, including what they're for and how they're used Explore advanced topics: Understand TypeScript's sophisticated type system, including how to safely handle errors and build asynchronous programs Dive in hands-on: Use TypeScript with your favorite frontend and backend frameworks, migrate your existing JavaScript project to TypeScript, and run your TypeScript application in production

Mastering Angular Components Gion Kunz 2018-07-18 The Angular framework has embraced a mature UI component architecture. It's a powerful tool for developing scalable application interfaces. The simple design of Angular components helps in building large component-based applications. This book covers a holistic way of thinking about UI development and explores the power of the components.

Advanced TypeScript Programming Projects Peter O'Hanlon 2019-07-26 Gain in-depth knowledge of TypeScript and the latest ECMAScript standards by building robust web applications across different domains Key Features Apply the cutting-edge features of TypeScript 3.0 to build high-performance, maintainable applications Learn through practical examples of using TypeScript with popular frameworks, such as Angular and React Focus on building high-quality applications that are modular, scalable and adaptable Book Description With the demand for ever more complex websites, the need to write robust, standard-compliant JavaScript has never been greater. TypeScript is modern JavaScript with the support of a first-class type system, which makes it simpler to write complex web systems. With this book, you'll explore core concepts and learn by building a series of websites and TypeScript apps. You'll start with an introduction to TypeScript features that are often overlooked in other books, before moving on to creating a simple markdown parser. You'll then explore React and get up to speed with creating a client-side contacts manager. Next, the book will help you discover the Angular framework and use the MEAN stack to create a photo gallery. Later sections will assist you in creating a GraphQL Angular Todo app and then writing a Socket.IO chatroom. The book will also lead you through developing your final Angular project which is a mapping app. As you progress, you'll gain insights into React with Docker and microservices. You'll even focus on how to build an image classification program with machine learning using TensorFlow. Finally, you'll learn to combine TypeScript and C# to create an ASP.NET Core-based music library app. By the end of this book, you'll be able to confidently use TypeScript 3.0 and different JavaScript frameworks to build high-quality apps. What you will learn Discover how to use TypeScript to write code using common patterns Get to grips with using popular frameworks and libraries with TypeScript Leverage the power of both server and client using TypeScript Learn how to apply exciting new paradigms such as GraphQL and TensorFlow Use popular cloud-based authenticated services Combine TypeScript with C# to create ASP.NET Core applications Who this book is for This book is for programmers and web developers who are familiar with TypeScript and want to put their knowledge to work by building real-world complex applications. Prior experience with any other web framework is not required.

Learn React with TypeScript 3 Carl Rippon 2018-11-29 Start developing modern day component based web apps using React 16, Redux and TypeScript 3 with this easy to follow guide filled with practical examples. Key Features Learn the latest and core features of React such as components, React Router, and suspense Dive into TypeScript 3 and its core components such as interfaces, types aliases, tuples, generics and much more. Build small-to-large scale single page applications with React, Redux, GraphQL and TypeScript Book Description React today is

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one of the most preferred choices for frontend development. Using React with TypeScript enhances development experience and offers a powerful combination to develop high performing web apps. In this book, you'll learn how to create well structured and reusable react components that are easy to read and maintain by leveraging modern web development techniques. We will start with learning core TypeScript programming concepts before moving on to building reusable React components. You'll learn how to ensure all your components are type-safe by leveraging TypeScript's capabilities, including the latest on Project references, Tuples in rest parameters, and much more. You'll then be introduced to core features of React such as React Router, managing state with Redux and applying logic in lifecycle methods. Further on, you'll discover the latest features of React such as hooks and suspense which will enable you to create powerful function-based components. You'll get to grips with GraphQL web API using Apollo client to make your app more interactive. Finally, you'll learn how to write robust unit tests for React components using Jest. By the end of the book, you'll be well versed with all you need to develop fully featured web apps with React and TypeScript. What you will learn Gain a first-hand experience of TypeScript and its productivity features Transpile your TypeScript code into JavaScript for it to run in a browser Learn relevant advanced types in TypeScript for creating strongly typed and reusable components. Create stateful function-based components that handle lifecycle events using hooks Get to know what GraphQL is and how to work with it by executing basic queries to get familiar with the syntax Become confident in getting good unit testing coverage on your components using Jest Who this book is for The ideal target audience for this book are web developers who want to get started with creating modern day web apps with React and TypeScript. You are expected to have a basic understanding of JavaScript and HTML programming. No prior knowledge of TypeScript and React is needed.

Testing Angular Applications Corinna Cohn 2018-11-07 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

A Journey to Angular Development Suresh Marla 2021-07-13 Learn Angular beyond basic concepts – best practices and project experience. KEY FEATURES ● Includes real examples and numerous illustrated use-cases on how to build dynamic and interactive web applications. ● Covers true challenges faced by Angular professionals along with proven solutions and best practices. ● Discusses various kinds of best practices followed in Angular applications. ● Makes you travel through a journey of 20 stations. Each station comes with new excitement and new challenges. ● Covers practical examples with real-time discussions. DESCRIPTION This book is an exciting journey where novice developers learn everything they need to do before they start working on the Angular framework and develop dynamic web applications. The book begins with building a strong foundation on the concepts of web application development and

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numerous developer-friendly terminologies that you would often come across while learning Angular. It covers the essentials of ES6, Webpack, and TypeScript to write Angular applications and make the development of Angular apps more enticing, innovative, and scalable. The book talks about modules, directives, components, data binding, routing, and many more components and functions. Each of these topics is backed with real examples and illustrations. By the end of this book, you will learn about Angular's powerful features and capabilities. You will become a confident developer to design your own modern, responsive, and user-friendly web applications all by yourself using this single source of knowledge.

WHAT YOU WILL LEARN

- Master fundamental concepts of Angular and its Architecture.
- Witness the true potential of Angular for building composable components.
- Become well versed with the file and folder structure of an Angular application.
- Learn to write clean, simple and error-free codes like a sound professional developer.
- Learn the essentials of ES6, Typescript and Webpack to write angular applications.

1. WHO THIS BOOK IS FOR This book is for all web developers, software programmers, front-end developers, and entry-level developers who want to learn Angular or enhance the existing Angular applications to modern and responsive applications. Basic knowledge of JavaScript is an advantage to begin with this book.

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Pro Angular Adam Freeman 2017-01-24 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.

Angular Projects Aristeidis Bampakos 2023-07-19 Take Angular to the next level – build captivating real-world applications while exploring modern web technologies and best practices Purchase of the print or Kindle book includes a free PDF eBook Key Features Explore Angular's capabilities for cross-platform app development Combine Angular with popular web technologies such as Nx monorepos, server-side rendering, and progressive web apps Build your own libraries and schematics using Angular CDK and Angular CL Book Description Angular Projects isn't like other books on Angular – this is a project-based guide that helps budding Angular developers get hands-on experience while developing cutting-edge applications. In this updated third edition, you'll master the essential features of the framework by creating ten different real-world web applications. Each application will demonstrate how to integrate Angular with a different library and tool, giving you a 360-degree view of what the Angular ecosystem makes possible. Updated to the newest version of Angular, the book has been revamped to keep up with the latest technologies. You'll work on a PWA weather application, a mobile photo geotagging application, a component UI library, and other exciting projects. In doing so, you'll implement popular technologies such as Angular Router, Scully, Electron, Angular service workers, Jamstack, NgRx, and more. By the end of this book, you will have the skills you need to build Angular apps using a variety of different technologies according to your or your client's needs. What you will learn Set up Angular applications using Angular CLI and Nx Console Create a personal blog with Jamstack, Scully plugins, and SPA techniques Build an issue management system using typed reactive forms Use PWA techniques to enhance user

experience Make SEO-friendly web pages with server-side rendering Create a monorepo application using Nx tools and NgRx for state management Focus on mobile application development using Ionic Develop custom schematics by extending Angular CLI Who this book is for This book is for developers with beginner-level Angular experience who want to become proficient in using essential tools and dealing with the various use cases in Angular. Beginner-level knowledge of web application development and basic experience of working with ES6 or TypeScript is essential before you dive in. This book focuses on practical applications of Angular. If you want to deepen your understanding of this framework, we recommend that you also look at Learning Angular from the same author.

Mastering TypeScript Nathan Rozentals 2021-04-23 This book is a guide to the TypeScript language, from basic concepts to advanced features, and will get you up and running quickly. You'll learn TypeScript programming in depth as you use popular application frameworks and utilize modern design patterns and architectural patterns to build modular, testable and enterprise-ready applications.

Angular 2 Cookbook Matt Frisbie 2017-01-20 Discover over 70 recipes that provide the solutions you need to know to face every challenge in Angular 2 head on About This Book A first-rate reference guide with a clear structure and intuitive index that gives you as a developer exactly the information you want in exactly the way you want it Covers no legacy material from the outdated Angular release candidates; it is up-to-date with the latest release of Angular 2.4 All the code in the book is explicitly written out, and every piece of code shown is a step towards building a simple working example 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 way to build 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 for you to conquer. In addition to covering all the Angular 2 fundamentals, such as components, forms, and services, it demonstrates how the framework embraces a range of new web technologies such as ES6 and TypeScript syntax, Promises, Observables, and Web Workers, among many others. This book covers all the most complicated Angular concepts and at the same time introduces the best practices with which to wield these powerful tools. It also covers in detail all the concepts you'll need to get you building applications faster. Oft-neglected topics such as testing and performance optimization are widely covered as well. A developer that reads through all the content in this book will have a broad and deep understanding of all the major topics in the Angular 2 universe. Style and approach This book follows a cookbook approach—each recipe presents a unique problem to which the solution is presented in a clear, concise, and manner step-by-step manner. With practical hands-on guidance in each and every recipe, you'll be able to get to grips with the concepts.

Beginning Angular with Typescript (updated to Angular 9) Greg Lim 2020-04-06 *Updated to Angular 9! Angular is one of the leading frameworks to develop apps across all platforms. Reuse your code and build fast and high performing apps for any platform be it web, mobile web, native mobile and native desktop. You use small manageable components to build a large powerful app. No more wasting time hunting for DOM nodes! In this book, we take you on a fun, hands-on and pragmatic journey to master Angular from a web development point of view. You'll start building Angular apps within minutes. Every section is written in a bite-sized manner and straight to the point as I don't want to waste your time (and most certainly mine) on the content you don't need. In the end, you will have what it takes to develop a real-life app. About the Reader This book is for developers with basic familiarity with HTML, CSS, Javascript and object-oriented programming. No TypeScript or AngularJS experience needed. About the Author Greg Lim is a technologist and author of several programming books. Greg has many years in teaching programming in tertiary institutions and he places special

emphasis on learning by doing. Table of Contents Introduction Creating and Using Components Bindings Working with Components Conditional Rendering, Pipes and Ng-Content Template Driven Forms Model Driven Forms Introduction to Observables Getting Data From RESTful APIs with Observables Routing Structuring Large Apps With Modules C.R.U.D. with Firebase Authentication with Firebase

Learning Angular for .NET Developers Rajesh Gunasundaram 2017-06-30 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. *Switching to Angular* Minko Gechev 2017-10-31 Switching to Angular, Third Edition is the go-to book to align and get started with the Angular JavaScript framework. Angular contributor and international speaker Minko Gechev will help you square up and start building Angular apps and provide you an insight to the Google's vision for the framework. About This Book Get up to date with Google's vision for Angular Align with Angular version 5 and beyond from any direction with confidence Start using TypeScript to supercharge your Angular applications Understand the new framework from AngularJS perspective using your prior experience Use Angular to quickly build fast and scalable enterprise applications Who This Book Is For This book is for software developers who want to align with a modern version of Angular that's aligned with Google's vision of Angular version 5 and beyond, using stable APIs that they can depend on today and in the future. Also for anyone assessing changes to Angular and squaring up for a strategic migration to Angular v5, and for AngularJS developers who want to transfer their mindset to modern Angular version 5 and beyond. What You Will Learn Align with Google's vision for Angular version 5 and beyond Confidently move forward with a long-term understanding of Angular Use stable APIs in Angular to build future-proof, blazingly fast enterprise applications Work with TypeScript to supercharge your Angular applications Understand the core concepts of Angular, aligned with the vision from Google Be ready with Angular from any direction—whether you're building new apps with the Angular and ASP.NET stack, or upgrading from AngularJS with ngUpgrade In Detail Align your work to stable APIs of Angular, version 5 and beyond, with Angular expert Minko Gechev. Angular is the modern Google framework for you to build high-performance, SEO-friendly, and robust web applications. Switching to Angular, Third Edition, shows you how you can align your current and future development with Google's long-term vision for Angular. Gechev shares his expert knowledge and community involvement to give you the clarity you need to confidently switch to

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Angular and stable APIs. Minko Gechev helps you get to grips with Angular with an overview of the framework, and understand the long-term building blocks of Google's web framework. Gechev then gives you the lowdown on TypeScript with a crash course, so you can take advantage of Angular in its native, statically typed environment. You'll next move on to see how to use Angular dependency injection, plus how Angular router and forms, and Angular pipes, are designed to work for your projects today and in the future. You'll be aligned with the vision and techniques of the one Angular, and be ready to start building quick and efficient Angular applications. You'll know how to take advantage of the latest Angular features and the core, stable APIs you can depend on. You'll be ready to confidently plan your future with the Angular framework. Style and approach In this book, Minko Gechev continues his direct style of sharing knowledge about Angular that he's developed across more than 40 international presentations to Angular developers. First, Minko explains Google's vision of Angular to you, and then you dive into a clear tutorial to work with Angular that's aligned with Google's vision of Angular. *Essential TypeScript* Adam Freeman 2019-08-14 Work with Typescript and get the most from this versatile open source language. Author Adam Freeman begins this book by describing Typescript and the benefits it offers, and goes on to show you how to use TypeScript in realistic scenarios, going in-depth to give you the knowledge you need. Starting from the nuts-and-bolts and building up to the most advanced and sophisticated features, you will learn how TypeScript builds on the JavaScript type system to create a safer and more productive development experience and understand how TypeScript can be used to create applications using popular frameworks, including Node.js, Angular, React, and Vue.js. 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 Will Learn Gain a solid understanding of the TypeScript language and tools Use TypeScript for client- and server-side development Extend and customize TypeScript Debug and unit test your TypeScript code Who This Book Is For Developers who want to start using TypeScript, for example to create rich web applications using Angular, React, or Vue.js Adam Freeman is an experienced IT professional who has held senior positions in a range of companies, most recently serving as chief technology officer and chief operating officer of a global bank. Now retired, he spends his time writing and long-distance running. *Getting Started with TypeScript* Thomas Claudius Huber 2017 "TypeScript is a JavaScript-superset that supports static typing and compiles down to plain JavaScript. TypeScript gives you compile-time errors, great tooling support and the latest JavaScript features like classes, arrow functions and modules that you can compile down to a JavaScript version that is supported in today's browsers. Typescript is open source and maintained by Microsoft and C# inventor Anders Hejlsberg. Google has written its popular Single Page Application Framework Angular with TypeScript. Join Thomas in this book to learn the TypeScript-language. Set up your environment and get up to speed with basic types, interfaces, classes, functions, modules, decorators and learn how to build web-apps with Angular and TypeScript."--Back cover.

Developing with Angular Denys Vuika 2018-11-10 This book gives you a broad practical overview of the Angular framework and related modern web technologies. It provides the guidance for the process of web component development that includes Angular and Angular CLI, TypeScript and ES6, applications bundling with Webpack, and other essentials.

Angular Development with TypeScript Anton Moiseev 2018-12-05 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

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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

Pro Angular 9 Adam Freeman 2020-06-12 This book has accompanying online files for Angular 9, 10 and 11; all examples in the book work without changes in Angular 10 or 11. Welcome to this one-stop-shop for learning Angular. Pro Angular is the most concise and comprehensive guide available, giving you the knowledge you need to take full advantage of this popular framework for building your own dynamic JavaScript applications. The fourth edition of this full-color guide explains how to get the most from Angular, starting with an in-depth overview of the MVC pattern and presenting the range of benefits it can offer. From there, you will begin learning how to use Angular in your projects, starting with the nuts-and-bolts concepts, and progressing on to more advanced and sophisticated features. Each topic provides you with precisely enough learning and detail to be effective. In true Adam Freeman style, the most important features are given full court press treatment, while also addressing common problems and how to avoid them. What You Will Learn: Get access to accompanying online files for Angular 9, 10 and 11; book examples work without changes in Angular 10 or 11 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 Acquire skills to unit test your Angular projects Who This Book Is For: This book is for web developers who want to create rich client-side applications. Foundational knowledge of HTML and JavaScript is recommended. "Adam's books provide a finely tuned blend of architectural overview, technical depth, and experience-born wisdom. His clear, concise writing style, coupled with project driven real world examples, make me comfortable recommending his books to a broad audience, ranging from developers working with a technology for the first time to seasoned professionals who need to learn a new skill quickly." Keith Dublin, Solution Principal, Slalom Consulting "Adam's books are the print version of a chat bot. His investment in learning how developers learn pays off in dividends, making this one of the most comprehensive resources available. Novices and experienced professionals alike will gain knowledge from the accessible and insightful material." Mark Donile, Software Engineer, MS CS

Accelerating Angular Development with Ivy Lars Gyrup Brink Nielsen 2021-10-29 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

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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.

TypeScript Blueprints Ivo Gabe de Wolff 2016-07-28 Build exciting end-to-end applications with TypeScript About This Book This book will help you whether you're a beginner or an expert Complete and complex projects provide codes that are ready and solutions for start-ups and enterprise developers The book will showcase the power and depth of TypeScript when it comes to high performance and scalability Who This Book Is For This book was written for web developers who wish to make the most of TypeScript and build fun projects. You should be familiar with the fundamentals of JavaScript What You Will Learn Build quirky and fun projects from scratch while exploring widely applicable practices and techniques Use TypeScript with a range of different technologies such as Angular 2 and React and write cross-platform applications Migrate JavaScript codebases to TypeScript to improve your workflow Write maintainable and reusable code that is helpful in the world of programming revolving around features and bugs Using SystemJS and Webpack to load scripts and their dependencies. Developing highly performance server-side applications to run within Node Js. Reviewing high performant Node.js patterns and manage garbage collection. In Detail TypeScript is the future of JavaScript. Having been designed for the development of large applications, it is being widely incorporated in popular projects such as Angular JS 2.0. Adopting TypeScript results in more robust software, while still being deployable in apps where regular JavaScript would run. Scale and performance lie at the heart of the projects built in our book. The lessons learned throughout this book will arm you with everything you need to build amazing projects. During the course of this book, you will learn how to build a complete Single Page Application with Angular 2 and create a popular mobile app using NativeScript. Further on, you will build a classic Pac Man game in TypeScript. We will also help you migrate your legacy codebase project from JavaScript to TypeScript. By the end of the book, you will have created a number of exciting projects and will be competent using TypeScript for your live projects. Style and approach The book focuses on building projects from scratch. These end-to-end projects will give you ready-to-implement solutions for your business scenario, showcasing the depth and robustness of TypeScript.

Learning Angular Brad Dayley 2017-09-19 Learning Angular, Second Edition A Hands-On Guide to Angular 2 and Angular 4 Learning Angular teaches modern application development with Angular 2 and Angular 4. It begins with the basics of Angular and the technologies and techniques used throughout the book, such as key features of TypeScript, newer ES6 syntax and concepts, and details about the tools needed to write professional Angular applications. The reader will next build an Angular application from scratch while learning about the primary pieces of an Angular application and see how they work together. Using lots of examples, the core parts of Angular will be introduced, such as Components, the Router, and Services. The book also covers techniques like server-side rendering and how to incrementally add Angular 2+ features to existing AngularJS applications. Finally, the reader will gain insight into advanced skills that should be part of any professional Angular developer's toolkit such as testing, tooling options, and performance tuning. Understand how Angular is organized and learn best practices for designing Angular applications Quickly build Angular templates with built-in directives that enhance the user experience Bind UI elements to your data model, so changes to your model and UI occur automatically in tandem Define custom Angular directives that extend HTML Implement zoomable images, expandable lists, and other rich UI components Implement client-side services that interact with web servers Build dynamic browser views to provide even richer user interaction Create custom services you can easily reuse Implement rich UI components as custom Angular directives Contents at a Glance Introduction What is Angular Why Use Angular Who this Book is For How to Use this Book Getting the Source Code Chapter 1: Jumping into JavaScript Setting Up a JavaScript Development Environment Defining Variables Understanding JavaScript Data Types Using Operators Implementing Looping Creating Functions Understanding Variable Scope

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Using JavaScript Objects Manipulating Strings Working with Arrays Adding Error Handling Chapter 2: Jumping into TypeScript Learning the Different Types Understanding Interfaces Implementing Classes Implementing Modules Understanding Functions Chapter 3: Getting Started with Angular Why Angular? Understanding Angular Separation of Responsibilities Adding Angular to Your Environment Using the Angular CLI Creating a Basic Angular Application Chapter 4: Angular Components Component Configuration Building the Template Using Constructors Using External Templates Implementing Directives Chapter 5: Expressions Using Expressions Using Pipes Building a Custom Pipe Chapter 6: Data Binding Understanding Data Binding Interpolation Property Binding Attribute Binding Class Binding Style Binding Event Binding Two-Way Binding Chapter 7: Built-in Directives Understanding Directives Using Built-in Directives Structural Directives Attribute Directives Chapter 8: Custom Directives Creating a Custom Attribute Directive Creating a Custom Directive with a Component Chapter 9: Events and Change Detection Using Browser Events Emitting Custom Events Using Observables Chapter 10: Implementing Angular Services in Web Applications Understanding Angular Services Using the Built in Services Sending HTTP GET and PUT Requests with the http Service Implementing a Simple Mock Server Using the http Service Changing Views with the router Service Implementing a Router with a Navigation Bar Implementing a Router with Parameters Chapter 11: Creating Your Own Custom Angular Service Integrating Custom Services into Angular Applications Implementing a Simple Application That Uses a Constant Data Service Implementing a Data Transform Service Implementing a Variable Data Service Implementing a Service that Returns a Promise Implementing a Shared Service Chapter 12: Having Fun with Angular Implementing an Angular Application That Uses the Animation Service Implementing an Angular Application That Zooms in on Images Implementing an Angular Application That Enables Drag and Drop Implementing a Star Rating Angular Component

Reactive Programming with Angular and ngrx Oren Farhi 2017-05-16 Manage your Angular development using Reactive programming. Growing in popularity and now an essential part of any professional web developer's toolkit, Reactive programming can enrich your development and make your code more efficient. Featuring a core application to explore and build yourself, this book shows you how to utilize ngrx/store as a state management with Redux pattern, and how to utilize ngrx/effects to define a better and more robust application architecture. Through working code examples, you will understand every aspect of Reactive programming with Angular so that you'll be able to develop maintainable, readable code. Reactive Programming with Angular and ngrx is ideal for developers already familiar with JavaScript, Angular, or other languages, and who are looking for more insight into their Angular projects. Use this book to start mastering Reactive programming today. What You'll Learn see how="" the="" boilerplate="" and="" webpack="" work p/pullConstruct components efficientlybr/liUtilize ngrx extensions and RxJSbr/liOrganize state management with reducers, actions and side effectsbr/li/ulp Who This Book Is For Developers who are already familiar with JavaScript and Angular and want to move onto more advanced development.

Object Oriented Programming with Angular Balram Morsing Chavan 2020-09-07 Learn advanced techniques and best practices of Angular programming for building enterprise web applicationsKey Features? Get familiar with the core concepts of Angular.? Discover best practices, tips, and tricks while working with Angular.? Learn ho

Learn AngularJS in 24 Hours Alex Nordeen 2020-09-15 Angular JS is responsible for making the website interactive and responsive. It helps designer and developers to eliminate much of the code usually needed for websites development. Angular JS is based upon MVC model. To learn and harness more power of the Angular JS framework, it takes a continuous intervention from an expert. But if you like to learn by yourself without spending big bucks behind expensive courses. This e-book could be your ultimate guide to AngularJS or AngularJS 2 Programming. The book covers all basic fundamentals of Angular JS like Routes, Modules, Directives, Dependency Injection and so on. The images and examples are well-illustrated addressing each and every glitch of Angular JS. The book purpose is to make Angular JS easier, simpler and interesting such that even beginners will feel like a pro at the end of the book. This edition promises your eventual mastery of AngularJS. The best thing about the book is that it is small and can be completed in a day. It will not only save your time but also accomplish our goal to save your effort in learning all needless jargons of Angular JS. With this e-book, you will be ready to create angular UI development as well as large scale applications effortlessly. Table Of Content Chapter 1: What is AngularJS? AngularJS

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Features AngularJS Architecture AngularJS Advantages Chapter 2: Hello World Chapter 3: Controller What Controller does from Angular's perspective How to build a basic Controller How to define Methods in Controller Using ng-controller in External Files Chapter 4: What is \$Scope in AngularJS? Chapter 5: ng-repeat Directive Chapter 6: How to use ""ng-model"" The ng-model Attribute How to use ng-model Chapter 7: ng-view What is a View? ng-view Directive in AngularJS ng-view Example Chapter 8: Expressions Explain Angular.js Expressions with an example AngularJS Numbers AngularJS Strings AngularJS Objects AngularJS Arrays AngularJS Expression capabilities and Limitations Difference between expression and \$eval Chapter 9: Filter Lowercase Uppercase Number Currency JSON Chapter 10: Custom Filter Chapter 11: Directive Chapter 12: CUSTOM Directive How to Create a Custom Directive? AngularJs Directives and Scopes Using controllers with directives How to create reusable directives AngularJS Directives and components - ng-transclude Nested directives Handling events in a directive Chapter 13: Module How to Create a module in AngularJS Modules and Controllers Chapter 14: Events The ng-click directive Showing HTML Elements using ng-show Hiding HTML Elements using ng-hide AngularJS Event Listener Directives Chapter 15: Routing with Parameters Adding Angular Route (\$routeProvider) Creating a default route Accessing parameters from the route Using Angular \$route service Enabling HTML5 Routing Chapter 16: AJAX Call High-level interactions with servers using \$resource Low-level server interactions with \$http Fetching data from a server running SQL and MySQL Chapter 17: Table Populate & Display Data in a Table AngularJS in-built Filter Sort Table with OrderBy Filter Display Table with Uppercase Filter Display the Table Index (\$index) Chapter 18: Form Validation Form validation using HTML5 Form validation using \$dirty, \$valid, \$invalid, \$pristine Form validation using AngularJS Auto Validate User feedbacks with Ladda buttons Chapter 19: Form Submit Chapter 20: ng-include Client Side includes Server Side Includes How to include HTML file in AngularJS Chapter 21: Dependency Injection Which Component can be Injected as a Dependency In AngularJS Example of Dependency Injection Chapter 22: Karma Jasmine Introduction & Installation of Karma framework Testing AngularJS Controllers Testing AngularJS Directives End to End Testing AngularJS JS applications Chapter 23: Protractor Testing Why Do We Need Protractor Framework? Protractor Installation Sample AngularJS application testing using Protractor Execution of the Code Generate Reports using Jasmine Reporters

Effective TypeScript Dan Vanderkam 2019-10-17 TypeScript is a typed superset of JavaScript with the potential to solve many of the headaches for which JavaScript is famous. But TypeScript has a learning curve of its own, and understanding how to use it effectively can take time. This book guides you through 62 specific ways to improve your use of TypeScript. Author Dan Vanderkam, a principal software engineer at Sidewalk Labs, shows you how to apply these ideas, following the format popularized by Effective C++ and Effective Java (both from Addison-Wesley). You'll advance from a beginning or intermediate user familiar with the basics to an advanced user who knows how to use the language well. Effective TypeScript is divided into eight chapters: Getting to Know TypeScript TypeScript's Type System Type Inference Type Design Working with any Types Declarations and @types Writing and Running Your Code Migrating to TypeScript

Pro Angular 6 Adam Freeman 2018-10-10 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 LearnGain a solid architectural understanding of the MVC PatternCreate rich and dynamic web app clients using AngularUse the ng tools to create and build an Angular projectExtend and customize AngularTest your Angular projectsWhat's New in This EditionRevised for the features and changes in Angular 6 and 7Covers @angular/cli, ng command line tools, and WebPackIncludes HttpClient for simplified asynchronous HTTP requestsPresents 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 in Action Jeremy Wilken 2018-03-07 Summary Angular in Action teaches you everything you need to build production-ready Angular applications.Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications

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that can handle whatever you throw at them. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Angular makes it easy to deliver amazing web apps. This powerful JavaScript platform provides the tooling to manage your project, libraries to help handle most common tasks, and a rich ecosystem full of third-party capabilities to add as needed. Built with developer productivity in mind, Angular boosts your efficiency with a modern component architecture, well-constructed APIs, and a rich community. About the Book Angular in Action teaches you everything you need to build production-ready Angular applications. You'll start coding immediately, as you move from the basics to advanced techniques like testing, dependency injection, and performance tuning. Along the way, you'll take advantage of TypeScript and ES2015 features to write clear, well-architected code. Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications that can handle whatever you throw at them. What's Inside Spinning up your first Angular application A complete tour of Angular's features Comprehensive example projects Testing and debugging Managing large applications About the Reader Written for web developers comfortable with JavaScript, HTML, and CSS. About the Author Jeremy Wilken is a Google Developer Expert in Angular, Web Technologies, and Google Assistant. He has many years of experience building web applications and libraries for eBay, Teradata, and VMware. Table of Contents Angular: a modern web platform Building your first Angular app App essentials Component basics Advanced components Services Routing Building custom directives and pipes Forms Testing your application Angular in production

TypeScript Quickly Anton Moiseev 2020-02-10 Summary TypeScript is JavaScript with an important upgrade! By adding a strong type system to JavaScript, TypeScript can help you eliminate entire categories of runtime errors. In TypeScript Quickly, you'll learn to build rock-solid apps through practical examples and hands-on projects under the expert instruction of experienced web developers Yakov Fain and Anton Moiseev. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Strong typing can eliminate nearly all errors caused by unanticipated data values. With TypeScript, an enhanced version of JavaScript, you can specify types and type annotations so your code is easier to read and far less likely to fail at runtime. And because the core of TypeScript is standard JavaScript, it runs on all major browsers and can be used with frameworks like Angular, Vue, and React. About the book TypeScript Quickly teaches you to exploit the benefits of types in browser-based and standalone applications. In this practical guide, you'll build a fascinating blockchain service app that takes you through a range of type-sensitive programming techniques. As you go, you'll also pick up valuable techniques for object-oriented programming with classes, interfaces, and advanced features such as decorators and conditional types. What's inside Mastering TypeScript syntax Using TypeScript with JavaScript libraries Tooling with Babel and Webpack Developing TypeScript apps using Angular, React, and Vue About the reader For web developers comfortable with JavaScript and HTML. About the author Yakov Fain and Anton Moiseev are experienced web developers. They have authored two editions of Manning's Angular Development with TypeScript. Table of Contents: PART 1 MASTERING THE TYPESCRIPT SYNTAX 1 | Getting familiar with TypeScript 2 | Basic and custom types 3 | Object-oriented programming with classes and interfaces 4 | Using enums and generics 5 | Decorators and advanced types 6 | Tooling 7 | Using TypeScript and JavaScript in the same project PART 2 APPLYING TYPESCRIPT IN A BLOCKCHAIN APP 8 | Developing your own blockchain app 9 | Developing a browser-based blockchain node 10 | Client-server communications using Node.js, TypeScript, and WebSockets 11 | Developing Angular apps with TypeScript 12 | Developing the blockchain client in Angular 13 | Developing React.js apps with TypeScript 14 | Developing a blockchain client in React.js 15 | Developing Vue.js apps with TypeScript 16 | Developing the blockchain client in Vue.js

Learning Angular Aristeidis Bampakos 2020-09-07 Uncover Angular's potential for creating enterprise web applications—from setting up the environment to deployment—with the help of expert guidance, step-by-step explanations, and hands-on exercises Key Features Learn the fundamentals of Angular to build web applications using TypeScript Explore the basics of Angular development, from components and templates to forms and services Discover best practices for building, packaging, and testing Angular applications Book Description Angular, loved by millions of web developers around the world, continues to be one of the top JavaScript frameworks thanks to its regular updates and new features that enable fast, cross-platform, and secure frontend web

development. With Angular, you can achieve high performance using the latest web techniques and extensive integration with web tools and integrated development environments (IDEs). Updated to Angular 10, this third edition of the Learning Angular book covers new features and modern web development practices to address the current frontend web development landscape. If you are new to Angular, this book will give you a comprehensive introduction to help you get you up and running in no time. You'll learn how to develop apps by harnessing the power of the Angular command-line interface (CLI), write unit tests, style your apps by following the Material Design guidelines, and finally deploy them to a hosting provider. The book is especially useful for beginners to get to grips with the bare bones of the framework needed to start developing Angular apps. By the end of this book, you'll not only be able to create Angular applications with TypeScript from scratch but also enhance your coding skills with best practices. What you will learn Use the Angular CLI to scaffold, build, and deploy a new Angular application Build components, the basic building blocks of an Angular application Discover techniques to make Angular components interact with each other Understand the different types of templates supported by Angular Create HTTP data services to access APIs and provide data to components Enhance your application's UX with Angular Material Apply best practices and coding conventions to your large-scale web development projects Who this book is for The Angular TypeScript book is for JavaScript and full-stack developers who want to enter the world of frontend development with Angular or migrate to the Angular framework to build professional web applications. Familiarity with web and programming concepts will assist with understanding the content covered in the book.

Mobile App Development with Ionic, Revised Edition Chris Griffith 2017-08-18 Learn how to build app store-ready hybrid apps with Ionic, the framework built on top of Apache Cordova (formerly PhoneGap) and Angular. This revised guide shows you how to use Ionic's tools and services to develop apps with HTML, CSS, and TypeScript, rather than rely on platform-specific solutions found in Android, iOS, and Windows Universal. Author Chris Griffith takes you step-by-step through Ionic's powerful collection of UI components, and then helps you use it to build three cross-platform mobile apps. Whether you're new to this framework or have been working with Ionic 1, this book is ideal for beginning, intermediate, and advanced web developers. Understand what a hybrid mobile app is, and what comprises a basic Ionic application Learn how Ionic leverages Apache Cordova, Angular, and TypeScript to create native mobile applications Create a Firebase-enabled to-do application that stores data across multiple clients Build a tab-based National Park explorer app with Google Map integration Develop a weather app with the Darksky weather API and Google's GeoCode API Debug and test your app to resolve issues that arise during development Walk through steps for deploying your app to native app stores Learn how Ionic can be used to create Progressive Web Apps

Angular in Action Jeremy Wilken 2018-04-02 Summary Angular in Action teaches you everything you need to build production-ready Angular applications. Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications that can handle whatever you throw at them. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Angular makes it easy to deliver amazing web apps. This powerful JavaScript platform provides the tooling to manage your project, libraries to help handle most common tasks, and a rich ecosystem full of third-party capabilities to add as needed. Built with developer productivity in mind, Angular boosts your efficiency with a modern component architecture, well-constructed APIs, and a rich community. About the Book Angular in Action teaches you everything you need to build production-ready Angular applications. You'll start coding immediately, as you move from the basics to advanced techniques like testing, dependency injection, and performance tuning. Along the way, you'll take advantage of TypeScript and ES2015 features to write clear, well-architected code. Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications that can handle whatever you throw at them. What's Inside Spinning up your first Angular application A complete tour of Angular's features Comprehensive example projects Testing and debugging Managing large applications About the Reader Written for web developers comfortable with JavaScript, HTML, and CSS. About the Author Jeremy Wilken is a Google Developer Expert in Angular, Web Technologies, and Google Assistant. He has many years of experience building web applications and libraries for eBay, Teradata, and VMware. Table of Contents Angular: a modern web platform Building your first Angular app

App essentials Component basics Advanced components Services Routing Building custom directives and pipes Forms Testing your application Angular in production

Angular 2 Development with TypeScript Yakov Fain 2017 Summary Angular 2 Development with Typescript teaches you what you need to start using Angular, while you also learn TypeScript and how to take advantage of its benefits. 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 web clients or full-featured SPAs, using the Angular 2 web framework is a liberating experience. Its declarative style makes it easy to define and add features without a lot of manually written boilerplate, and the fully integrated TypeScript language gives you the benefits of a statically typed language within the JavaScript ecosystem. Not to mention that adding Angular 2 and TypeScript to your skill set makes you a hot commodity. About the Book Angular 2 Development with Typescript introduces Angular 2 to developers comfortable using AngularJS v1 or other web frameworks. You'll start by exploring how Angular 2 works in an online auction application. Along the way, you'll learn to use TypeScript to write type-aware classes, interfaces, and generics. This is a practical book that covers real-world development concerns like data and views, user interaction with forms, and communicating with servers, as well as testing and deploying your Angular 2 applications. What's Inside Design and build modular applications Transpile TypeScript into today's JavaScript Use modern JavaScript workflow tools like npm, Karma, and Webpack About the Reader This book is for intermediate web developers with a working knowledge of JavaScript. No TypeScript or AngularJS experience needed. About the Author Yakov Fain and Anton Moiseev are experienced web application developers. Yakov has written several books on software development. Table of Contents Introducing Angular 2 Getting started with Angular Navigation with the Angular router Dependency injection Bindings, observables, and pipes Implementing component communications Working with forms Interacting with servers using HTTP and WebSockets Unit-testing Angular applications Bundling and deploying applications with Webpack

Getting MEAN with Mongo, Express, Angular, and Node Simon Holmes 2019-04-22 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

Beginning Angular with Typescript Greg Lim 2020-09 Angular is one of the leading frameworks to develop apps across all platforms. Reuse your code and build fast and high performing apps for any platform be it

web, mobile web, native mobile and native desktop. You use small manageable components to build a large powerful app. No more wasting time hunting for DOM nodes! In this book, we take you on a fun, hands-on and pragmatic journey to master Angular from a web development point of view. You'll start building Angular apps within minutes. Every section is written in a bite-sized manner and straight to the point as I don't want to waste your time (and most certainly mine) on the content you don't need. In the end, you will have what it takes to develop a real-life app. About the Reader This book is for developers with basic familiarity with HTML, CSS, Javascript and object-oriented programming. No TypeScript or AngularJS experience needed. About the Author Greg Lim is a technologist and author of several programming books. Greg has many years in teaching programming in tertiary institutions and he places special emphasis on learning by doing. Table of Contents Introduction Creating and Using Components Bindings Working with Components Conditional Rendering, Pipes and Ng-Content Template Driven Forms Model Driven Forms Introduction to Observables Getting Data From RESTful APIs with Observables Routing Structuring Large Apps With Modules C.R.U.D. with Firebase/Firestore Authentication with Firebase/Firestore Implementing for Multiple Users

Angular Design Patterns Mathieu Nayrolles 2018-07-30 Make the most of Angular by leveraging design patterns and best practices to build stable and high performing apps Key Features Get to grips with the benefits and applicability of using different design patterns in Angular with the help of real-world examples Identify and prevent common problems, programming errors, and anti-patterns Packed with easy-to-follow examples that can be used to create reusable code and extensible designs Book Description This book is an insightful journey through the most valuable design patterns, and it will provide clear guidance on how to use them effectively in Angular. You will explore some of the best ways to work with Angular and how to use it to meet the stability and performance required in today's web development world. You'll get to know some Angular best practices to improve your productivity and the code base of your application. We will take you on a journey through Angular designs for the real world, using a combination of case studies, design patterns to follow, and anti-patterns to avoid. By the end of the book, you will understand the various features of Angular, and will be able to apply well-known, industry-proven design patterns in your work. What you will learn Understand Angular design patterns and anti-patterns Implement the most useful GoF patterns for Angular Explore some of the most famous navigational patterns for Angular Get to know and implement stability patterns Explore and implement operations patterns Explore the official best practices for Angular Monitor and improve the performance of Angular applications Who this book is for If you want to increase your understanding of Angular and apply it to real-life application development, then this book is for you.

Ng-Book Nathan Murray 2018-02-06 ng-book. The in-depth, complete, and up-to-date book on Angular. Become an Angular expert today. Updated for Angular, Angular CLI, and Community Style Guide Ready to master Angular? What if you could master the entire framework - with solid foundations - in less time without beating your head against a wall? Imagine how quickly you could work if you knew the best practices and the best tools? Stop wasting your time searching and have everything you need to be productive in one, well-organized place, with complete examples to get your project up without needing to resort to endless hours of research. You will learn what you need to know to work professionally with ng-book: The Complete Book on Angular. Get up and running quickly The first chapter opens with building your first Angular app. Within the first few minutes, you'll know enough to have an app running Lots of Sample Apps and Code When you buy ng-book, you're not buying just a book, but dozens of code examples. Every chapter in the book comes with a complete project that uses the concepts in the chapter. The code is available for download, free from our website. Table of Contents Writing your first Angular web application How Angular Works Built-in Directives Forms in Angular 2 HTTP and APIs Routing Dependency Injection Data Architecture in Angular 2 Data Architecture with Observables and RxJS Data Architecture with Redux Redux and TypeScript Data Architecture with Redux Advanced Components Testing Converting an Angular 1 app to Angular Comprehensive You'll learn core Angular concepts - from how Angular works under the hood, to rich interactive components, from in-depth testing to real-world applications Best Practices Learn Angular best practices, such as: testing, code organization, and how to structure your app for performance. We'll walk through practical, common examples of how to implement complete components of your applications Example Apps included in the book The

book comes with sample apps that show you how to create: A component-based Reddit clone A real-time chat app using RxJS Observables A YouTube search-as-you-type app A Spotify search for tracks with playable song preview Plus lots more mini-examples that show you how to write Components, how to use Forms, and how to use APIs The code examples currently have over 5,500+ lines of runnable code (TypeScript, non-comment lines) What our Customers Say "Fantastic work guys! I have no idea where I'd be with Angular without ng-book. You guys have made this SOOOO much easier to learn and keep up with. Thanks again..you guys are awesome!" -- Jacob Cheriathundam "Just finished ng-book2. I think it is the best learning material one can find about Angular today." -- Jegor Uglov FAQ What version does the book cover? This revision of the book covers up to angular-4.1.0. An updated version of the code is available for free at our website. Do I have to know Angular 1? Nope! We don't assume that you've used Angular 1. This book teaches Angular from the ground up. Of course, if you've used Angular 1, we'll point out common ideas (because there are many), but ng-book stands on its own Is ng-book an upgrade to ng-book 1? No. This is a completely new book and shares no content or code with ng-book 1. Angular 1 and Angular 2+ are two different frameworks and ng-book 1 and ng-book are two different books. *Node.js, MongoDB and Angular Web Development* Brad Dayley 2017-10-11 Node.js, MongoDB and Angular Web Development The definitive guide to using the MEAN stack to build web applications Node.js is a leading server-side programming environment, MongoDB is the most popular NoSQL database, and Angular is the leading framework for MVC-based front-end development. Together, they provide an easy-to-implement, fully integrated web development stack that allows web programmers to create high-performance sites and applications built completely in JavaScript, from server to client. Updated for Angular 2, Angular 4, and subsequent versions, this new edition of Node.js, MongoDB and Angular Web Development shows you how to integrate these three technologies into complete working solutions. It begins with concise,

crystal-clear tutorials on each technology and then quickly moves on to building common web applications. You'll learn how to use Node.js and MongoDB to build more scalable, high-performance sites, how to leverage Angular's innovative MVC approach to structure more effective pages and applications, and how to use all three together to deliver outstanding next-generation Web solutions. Implement a highly scalable and dynamic web server using Node.js and Express Implement a MongoDB data store for your web applications Access and interact with MongoDB from Node.js JavaScript code Learn the basics of TypeScript Define custom Angular directives that extend the HTML language Build server-side web services in JavaScript Implement client-side services that can interact with the Node.js web server Build dynamic browser views that provide rich user interaction Add authenticated user accounts and nested comment components to your web applications and pages Contents at a Glance Part I: Getting Started 1 Introducing the Node.js-to-Angular Stack 2 JavaScript Primer Part II: Learning Node.js 3 Getting Started with Node.js 4 Using Events, Listeners, Timers, and Callbacks in Node.js 5 Handling Data I/O in Node.js 6 Accessing the File System from Node.js 7 Implementing HTTP Services in Node.js 8 Implementing Socket Services in Node.js 9 Scaling Applications Using Multiple Processors in Node.js 10 Using Additional Node.js Modules Part III: Learning MongoDB 11 Understanding NoSQL and MongoDB 12 Getting Started with MongoDB 13 Getting Started with MongoDB and Node.js 14 Manipulating MongoDB Documents from Node.js 15 Accessing MongoDB from Node.js 16 Using Mongoose for Structured Schema and Validation 17 Advanced MongoDB Concepts Part IV: Using Express to Make Life Easier 18 Implementing Express in Node.js 19 Implementing Express Middleware Part V: Learning Angular 20 Jumping into TypeScript 21 Getting Started with Angular 22 Angular Components 23 Expressions 24 Data Binding 25 Built-in Directives Part VI: Advanced Angular 26 Custom Directives 27 Events and Change Detection 28 Implementing Angular Services in Web Applications 29 Creating Your Own Custom Angular Services 30 Having Fun with Angular