Angular 2 Development With Typescript

If you want to build cross-platform web applications using the robust Angular web framework, this book is for you. Learning Angular will cover the core concepts of frontend web development using easy-to-follow instructions to help you get up and running with Angular web development in no time.

Angular 2 Development with TypeScriptPearson Professional

Build powerful cross-platform desktop applications with web technologies such as Node, NW.JS, Electron, and React About This Book Build different cross-platform HTML5 desktop applications right from planning, designing, and deployment to enhancement, testing, and delivery Forget the pain of cross-platform compatibility and build efficient apps that can be easily deployed on different platforms. Build simple to advanced HTML5 desktop apps, by integrating them with other popular frameworks and libraries such as Electron, Node.JS, Nw.js, React, Redux, and TypeScript Who This Book Is For This book has been written for developers interested in creating desktop applications with HTML5. The first part requires essential web-master skills (HTML, CSS, and JavaScript). The second demands minimal experience with React. And finally for the third it would be helpful to have a basic knowledge of React, Redux, and TypeScript. What You Will Learn Plan, design, and develop different cross-platform desktop apps

Application architecture with React and local state
Application architecture with React and Redux store
Code design with TypeScript interfaces and specialized
types CSS and component libraries such as Photonkit,
Material UI, and React MDL HTML5 APIs such as
desktop notifications, WebSockets, WebRTC, and others
Desktop environment integration APIs of NW.js and
Electron Package and distribute for NW.JS and Electron
In Detail Building and maintaining cross-platform desktop
applications with native languages isn't a trivial task.
Since it's hard to simulate on a foreign platform,
packaging and distribution can be quite platform-specific
and testing cross-platform apps is pretty complicated.In
such scenarios, web technologies such as HTML5 and
JavaScript can be your lifesaver. HTML5 desktop
applications can be distributed across different platforms
(Window, MacOS, and Linux) without any modifications
to the code. The book starts with a walk-through on
building a simple file explorer from scratch powered by
NW.JS. So you will practice the most exciting features of
bleeding edge CSS and JavaScript. In addition you will
learn to use the desktop environment integration API,
source code protection, packaging, and auto-updating
with NW.JS. As the second application you will build a
chat-system example implemented with Electron and
React. While developing the chat app, you will get
Photonkit. Next, you will create a screen capturer with
NW.JS, React, and Redux. Finally, you will examine an
RSS-reader built with TypeScript, React, Redux, and
Electron. Generic UI components will be reused from the
React MDL library. By the end of the book, you will have

built four desktop apps. You will have covered everything from planning, designing, and development to the enhancement, testing, and delivery of these apps. Style and approach Filled with real world examples, this book teaches you to build cross-platform desktop apps right from scratch using a step-by-step approach. Build SEO-friendly, high-performance single-page applications with Angular 2About This Book- Get up to date with the latest changes to Angular 2, including the improvements to directives, change detection, dependency injection, router, and more- Understand Angular 2's new component-based architecture- Start using TypeScript to supercharge your Angular 2 applicationsWho This Book Is ForDo you want to jump in at the deep end of Angular 2? Or perhaps you're interested assessing the changes before moving over? If so, then Switching to Angular 2 is the book for you.To get the most out of the book, you'll need to be familiar with AngularJS 1.x, and have a good understanding of JavaScript. No knowledge of the changes made to Angular 2 is required follow along.What You Will Learn- Understand the changes made from Angular 1.x with side-by-side code samples to help demystify the Angular 2 learning curve- Start working with Angular 2's new method of implementing directives- Use TypeScript to write modern, powerful Angular 2 applications- Dig in to the change-detection method, and other architectural changes to make sure you know what's going on under the hood of Angular 2.- Get to work with the new router in Angular 2- Use the new features of Angular 2 including pipes, or the updated features such as forms, services,

and the DI module- Master server-side rendering in Angular 2 to keep your new applications SEO friendlyIn DetailAngularJS is a JavaScript framework that makes building web applications easier. It is used today in large-scale, high-traffic websites that struggle with under-performance, portability issues, as well as SEO unfriendliness, and complexity at scale.Angular 2 changes that.It is the modern framework you need to build performant and robust web applications. "Switching to Angular 2" is the quickest way to get to grips with Angular 2 and will help you transition in to the brave new world of Angular 2.We'll start with an overview which sets the changes of the framework in context with version 1.x. After that, you will be taken on a TypeScript crash-course so we can take advantage of Angular 2 in its native, statically-typed environment. We'll look at the new change-detection method in detail, how Directives and Components change how you create websites with Angular, the new Angular 2 router, and much more.By the end of the book, you'll be ready to start building quick and efficient Angular 2 applications that take advantage of all the new features on offer.Style and approachStarting with a comparison between Angular versions that is filled with side-by-side code examples to help highlight the changes, each chapter then looks at major changes to the framework as is filled with small examples and sample code to get you started
Angular 2 is a massively popular JavaScript framework built to take advantage of component development in web apps. In Angular 2, author Joseph D. Booth will guide you through setting up a development

environment, interacting with the Angular CLI, building Hello World, and more. By the end, you'll know how to set up templates, compose components from those templates, and tie them all together with modules to deliver a cohesive web app. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

Develop a simple, yet fully-functional modern web application using ASP.NET Core MVC, Entity Framework and Angular 5. About This Book Based on the best-selling book ASP.NET Core and Angular 2 Easily build a complete single page application with two of the most impressive frameworks in modern development, ASP.NET Core and Angular Bring together the capabilities and features of both Angular 5 and ASP.NET Core 2 for full stack development Discover a comprehensive approach to building your next web project-From managing data, to application design, through to SEO optimization and security Who This Book Is For This book is for seasoned ASP.NET developers who already know about ASP.NET Core and Angular in general, but want to know more about them and/or understand how to blend them together to craft a

production-ready SPA. What You Will Learn Use ASP.NET Core to its full extent to create a versatile backend layer based on RESTful APIs Consume backend APIs with the brand new Angular 5 HttpClient and use RxJS Observers to feed the frontend UI asynchronously Implement an authentication and authorization layer using ASP.NET Identity to support user login with integrated and third-party OAuth 2 providers Configure a web application in order to accept user-defined data and persist it into the database using server-side APIs Secure your application against threats and vulnerabilities in a time efficient way Connect different aspects of the ASP. NET Core framework ecosystem and make them interact with each other for a Full-Stack web development experience In Detail Become fluent in both frontend and backend web development by combining the impressive capabilities of ASP.NET Core 2 and Angular 5 from project setup right through the deployment phase. Full-stack web development means being able to work on both the frontend and backend portions of an application. The frontend is the part that users will see or interact with, while the backend is the underlying engine, that handles the logical flow: server configuration, data storage and retrieval, database interactions, user authentication, and more. Use the ASP.NET Core MVC framework to implement the backend with API calls and server-side routing. Learn how to put the frontend together using top-notch Angular 5 features such as two-way binding, Observables, and Dependency Injection, build the Data Model with Entity Framework Core, style the frontend

with CSS/LESS for a responsive and mobile-friendly UI, handle user input with Forms and Validators, explore different authentication techniques, including the support for third-party OAuth2 providers such as Facebook, and deploy the application using Windows Server, SQL Server, and the IIS/Kestrel reverse proxy. Style and approach More than just a technical manual, this guide takes you through the most important technical facets of developing with these two hugely popular frameworks and then demonstrates how to put those skills into practice. It's a book that recognizes that what's really important is the end product.

Thanks to the authors' easy-to-digest style, you'll effortlessly learn about types, object-oriented programming with classes and interfaces, and using TypeScript with JavaScript libraries. You'll discover TypeScript's excellent tooling as you explore code-quality improvement with TSLint, debugging with source maps, unit testing, and more. 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.

Includes free eBook download in PDF, ePub, and Kindle formats.

Learn to build hybrid mobile apps using Ionic and

Firebase. You'll build a Hacker News client app, which can view top stories in Hacker News, view comments of a story, add stories to favorites, etc. This introductory guide covers the whole cycle of hybrid mobile apps development. It's organized around implementing different user stories. For each story, this book not only talks about how to implement it but also explains related Ionic and Firebase concepts in detail. Using Apache Cordova, developers can create a new type of mobile app—a hybrid mobile app. Hybrid mobile apps actually run in an internal browser inside a wrapper created by Apache Cordova. With hybrid mobile apps, developers can have one single code base for different platforms. Developers also can use their existing web development skills. The Ionic framework builds on top of Apache Cordova and provides out-of-box components which make developing hybrid mobile apps much easier. Ionic uses Angular as the JavaScript framework and has a nice default UI style with a similar look and feel to native apps. Firebase is a realtime database which can be accessed in web apps using JavaScript. With Build Mobile Apps with Ionic 2 and Firebase you'll discover that just need to develop front-end code, there's no need to manage any back-end code or servers. What You'll Learn Create content-based Ionic mobile apps Discover the advanced features of the Ionic framework Use Firebase as a mobile app's

back-end storage Build, test, and continuously delivery Ionic mobile apps Publish and analyze Ionic mobile apps Who This Book Is ForFront-end developers and mobile app developers
Harness the capabilities of TypeScript to build cutting-edge web apps with Angular About This Video Leverage the power of TypeScript to develop large-scale Angular apps Learn the cutting-edge features of TypeScript 2.x to build high-performing, maintainable applications Explore the TypeScript implementation of modules, classes, and annotations with Angular components In Detail TypeScript 2.x adds optional static types, classes, and modules to JavaScript, giving you great tools and enabling you to structure of large JavaScript applications better. In this course, we'll teach you how to leverage the exciting features of TypeScript while working on Angular projects to build scalable, data-intensive web applications. We'll begin with an introduction to TypeScript and Angular framework, where you will install the TypeScript compiler and learn the most important secrets of the TypeScript language such as types, functions, classes, interfaces and start working in the Angular environment. The next section describes the introduction to components in the Angular framework using TypeScript. Using Angular CLI, you will create your first component, learn how to compose components, learn lifecycle methods in Angular, and

respond to the user actions with events. The third section describes the services in the Angular framework, where you will learn about dependency injection and services in the Angular framework, create your first service, which will inject into the component and for service. The next section describes modules, directives, pipes and two-way data binding, where you will learn about modules in the Angular framework, find out what directives are and how to use them, create your own custom directive, add an external directive, transform data with pipes, and create two-way data binding in two ways. In the next section, you will learn how to create a reactive form, handle the form and validate the data. The sixth section describes the routing strategies, where you will create an example routing configuration, add links thanks to which it will be possible to navigate without reloading the page, handle routing. The last section is an introduction to testing and debugging, where you will learn about the tests, the types of tests, learn how to debug code using Chrome dev tools, and create component tests. The code bundle for this video course is available at https://github.com/PacktPublishing/Learn-TypeScript-for-Angular-Development...

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 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 it's 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. TABLE OF CONTENTS 1. Introduction 2. Get Your Basics Stronger 3. ES6 Features Part 1 4. ES6 Features Part 2 5. ES6 Features Part 3 6. ES6 Features Part 4 7. Webpack 8. TypeScript 9. Angular the Beginning 10. Angular First App 11. Beautify the Angular UI with Bootstrap CSS 12. Authentication 13. Authentication Service 14. Unsubscribe 15. Logout and Route Guard Cleanup 16. Customer Service 17. Http Service 18. Token Interceptor 19. Multi Provider 20. Compile-time Configuration 21. Runtime Configuration 22. Error Handling 23. The Component-Oriented Style in Action 24. Angular Routing 25. Angular Modules 26. Angular Pipes 27. Angular Directives 28. Angular Forms 29. Angular Styles 30. Angular Change Detection 31. Angular

Elements 32. Left Over
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.
Get to grips with the components that power Angular 2 and learn to create custom components of your ownAbout This Book* First look to the Angular 2 Components archirecture* Creating your own Angular 2 Component* Integrating your components with third party componentsWho This Book Is ForIt is aimed at a developer who already has some experience with Angular and who now wants to work with Angular 2 Components. The book is not for beginners to the AngularJS framework.What You Will Learn* Break your application into reusable dynamic components* Take advantage of TypeScript language in Angular2* Migrating your Angular 1 directive to Angular 2 Component* Understand the Angular2 components structure and APIs* Hook to component life cycle events* Bind dynamic data to your component properties* Communicate with other components using events* Compose complicated UI from simple components* Wrap third-party components for use in angularIn DetailThis book is focused on offering insights into Angular 2 Components.You will start with understanding Angular 2 Components Architecture and how components differ from Angular directives in Angular 1.You will be now ready to set up Angular 2 development environment. You will then be taken on a tour of TypeScript language. Next, you will be defining your component behavior, creating a

component template and using controller of your component. You will also be making your components communicate with each other. The book ends with Integrating third party components to your Angular 2 components.
Knowledge for Free... Get that job, you aspire for! Want to switch to that high paying job? Or are you already been preparing hard to give interview the next weekend? Do you know how many people get rejected in interviews by preparing only concepts but not focusing on actually which questions will be asked in the interview? Don't be that person this time. This is the most comprehensive Angular JS interview questions book that you can ever find out. It contains: 1000 most frequently asked and important Angular JS interview questions and answers Wide range of questions which cover not only basics in Angular JS but also most advanced and complex questions which will help freshers, experienced professionals, senior developers, testers to crack their interviews.
Learn how to build app store-ready hybrid apps with the Ionic 2, the framework built on top of Apache Cordova (formerly PhoneGap) and Angular. This practical 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 Phone. 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 AngularJS is a great complement to .NET, enabling the rapid development of modern web applications. Learn how to prototype and build applications with Angular 2 and familiar .NET development tools, including Visual Studio and TypeScript, in this course with Reynald Adolphe. Reynald shows how Angular's powerful features, including templates, components, data binding, and dependency injection, speed up development with .NET Core. Whether you're building web-based, single-page, or mobile applications, this course shows how Angular

2 will quickly become an essential part of your toolset.

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 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
Create real-time hybrid applications with the leader of HTML5 frameworks: Ionic Framework About This Book Step into the world of amazingly interactive and real-time app development using Ionic 2 Leverage the powerful Angular 2 along with Ionic to develop cutting edge apps Detailed code examples and explanations will help you get up and running with Ionic quickly and easily Who This Book Is For This book is for JavaScript developers with basic skills. No previous knowledge of Ionic is required for this book. What You Will Learn Understanding the world of the mobile hybrid architecture Scaffolding and working with Ionic templates Transforming a single page app to a multi-page app using Navigation Controller Integrating Ionic components, decorators, and services and rapidly developing complex applications Theming Ionic apps as well as customizing components using SCSS Working with Ionic Native to interface with device features, such as camera, notifications, and battery Building a production grade app using Ionic and Uber API to let users book a ride Migrating an Ionic 1 app to Ionic 2 or Ionic 3 Performing unit testing, end-to-end testing, and device testing on your apps Deploying Ionic apps to store and manage their subsequent releases In Detail Ionic makes it incredibly easy to build beautiful and interactive mobile apps using HTML5,

SCSS, and Angular. Ionic also makes app development easier, faster, and more fun. This hands-on guide will help you understand the Ionic framework and how you can leverage it to create amazing real-time applications. We begin by covering the essential features of Angular 2, and then dive straight into how Ionic fits in today's world of hybrid app development and give you a better understanding of the mobile hybrid architecture along the way. Further on, you will learn how to work with Ionic decorators, services, and components, which will allow you to build complex apps using the Ionic framework. We will take a look at theming Ionic apps using the built-in SCSS setup. After that, we will explore Ionic Native, and you will learn how to integrate device-specific features, such as notifications, with the Ionic app. To complete our learning, we will be building a Rider app, using Ionic and Uber API, to book a ride. Next, you will learn how to unit test, end-to-end test, monkey test, and execute device testing on AWS Device farm. Then, we will take a look at migrating the existing Ionic 1 apps to Ionic 2 and deploy them to the App Store. The final chapter on Ionic 3 wraps up this book by explaining the new features of Ionic 3 at the time of writing this book. By the end of this book, you will be able to develop, deploy, and manage hybrid mobile applications built with Cordova, Ionic, and Angular. All the examples in this book are valid for both Ionic

2 and Ionic 3. Style and approach A step-by-step, practical approach to learning Ionic using the example of designing an online course app. Each topic is explained sequentially in the process of creating a course. This includes explanations of both basic and advanced features of Ionic.

"TypeScript 2.x adds optional static types, classes, and modules to JavaScript, giving you great tools and enabling you to structure of large JavaScript applications better. In this course, we'll teach you how to leverage the exciting features of TypeScript while working on Angular projects to build scalable, data-intensive web applications."--Resource description page.

"This course demonstrates how to write dynamic, feature-rich Angular 2 applications with Bootstrap's responsive layouts and end-to-end testing techniques. We will set up our development environment with Angular 2 and ES6 with TypeScript. In Angular 2, everything is a component using TypeScript annotations. This course takes a component-centric approach, using them as the main point of discussion to help you learn the core concepts in Angular 2. You'll also get to grips with Bootstrap to create and design web applications that are elegantly styled with a responsive user interface."--Resource description page.

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

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 Learn the essentials and more of TypeScript, a popular superset of the JavaScript language that adds support for static typing. TypeScript combines the typing features of C# or Java with the flexibility of JavaScript, reducing typing errors and providing an easier path to JavaScript development. Author Adam Freeman explains how to get the most from TypeScript 4 in this second edition of his best-selling book. He begins by describing the TypeScript language and the benefits it offers and then shows you how to use TypeScript in real-world scenarios, including development with the DOM API, and popular frameworks such as Angular and React. He starts from the nuts-and-bolts and builds up to the most advanced and sophisticated features. Each

topic is covered clearly and concisely, and is packed with the details you need to be effective. The most important features are given a no-nonsense, in-depth treatment and chapters include common problems and teach you 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 Test your TypeScript code Apply TypeScript with the DOM API, Angular, React, and Vue.js Who This Book Is For JavaScript developers who want to use TypeScript to create client-side or server-side applications Angular 2 is a massively popular JavaScript framework built to take advantage of component development in web apps. In Angular 2 , author Joseph D. Booth will guide you through setting up a development environment, interacting with the Angular CLI, building Hello World, and more. By the end, you'll know how to set up templates, compose components from those templates, and tie them all together with modules to deliver a cohesive web app.This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most

complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject .We hope you find this book useful in shaping your future career & Business.

Develop your real-time MEAN application efficiently using a combination of MongoDB, Express, Angular, and Node About This Book Construct a fully-functional MEAN application by using its components along with the best third-party modules Harness the power of the JavaScript ecosystem to effectively run, build, and test your MEAN application Gain a deep, practical understanding of real-time web application development through real-world examples Who This Book Is For If you are a JavaScript developer who is interested in building modern web applications using MongoDB, Express, Angular 2, and Node 5.0, then this book is for you. You only need knowledge of JavaScript development. What You Will Learn Use MongoDB to store and retrieve your application's data Connect your Express application to MongoDB and use the Mongoose module Manage your users' authentication and offer them diverse login options using Passport Structure and use an Angular 2 application in your MEAN project Use Socket.io to create real-time communication between your client and server Test your application's Express and Angular 2 entities In Detail The MEAN stack is a collection of the most popular modern tools for web development that helps you build fast, robust, and maintainable web applications. Starting with the MEAN core frameworks, this pragmatic guide will explain the key concepts of each framework, how to set them up properly, and how to use popular modules to connect it all together. By following the real-world examples shown in this tutorial, you will scaffold your MEAN application architecture, add an authentication layer, and develop an MVC structure to support your project development. You will learn the best

practices of maintaining clear and simple code and will see how to avoid common pitfalls. Finally, you will walk through the different tools and frameworks that will help expedite your daily development cycles. Watch how your application development grows by learning from the only guide that is solely orientated towards building a full, end-to-end, real-time application using the MEAN stack! Style and approach This comprehensive guide covers every part of the MEAN stack, and focuses on the gestalt power of the apps they can create through practical, real-world examples

Over 60 recipes that provide practical solutions to every Angular2 challengeAbout 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 bitesize 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 proseWho This Book Is ForThis 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 applicationIn DetailAngular 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.

Migrate to Angular 2 and leverage TypeScript into your web apps In Detail Angular 2 makes the web application building process easier and more efficient. Combining Angular 2 with TypeScript makes for a recipe to propel you into web development excellence. This Learning Path first enables you to move legacy apps to Angular 2. We then move forward with Angular 2 and TypeScript projects that will polish and cement your knowledge. Finally, we teach you to employ the power of TypeScript while authoring Angular 2 applications to take your web development skills to the next level. Get yourself established with this two-pronged mastery of web development using this Learning Path. Prerequisites :

Requires good JavaScript knowledge and some experience with AngularJS Resources : Code downloads and errata: Migrating to Angular 2 - Second Edition Angular 2 Projects TypeScript Projects Angular 2 Web Development with TypeScript PATH PRODUCTS This path navigates across the following products (in sequential order): Migrating to Angular 2 - Second Edition (1h 33m) Angular 2 Projects (2h 53m) TypeScript Projects (2h 31m) Angular 2 Web Development with TypeScript (7h 52m).

An end–to-end journey, empowering you to build real-time, scalable, and interactive mobile applications with the Ionic framework About This Book Develop engaging mobile experiences with a native-looking UI in Ionic and AngularJS. Use out-of-the-box Ionic functionalities, customize existing components, and add new components with this comprehensive course. Learn Ionic by creating three complete mobile applications Who This Book Is For If you are a web developer who wants to build hybrid mobile app development using the Ionic framework, then this comprehensive course is best-suited for you. What You Will Learn Get to know about Hybrid Apps and AngularJS Set up a development environment to build Hybrid Apps Navigate around components and routing in Ionic Authenticate users using an e-mail password, Twitter, Facebook, Google+, and LinkedIn Retrieve data and store it using Firebase Access native device functionalities such as the camera, contact list, e-mail, and maps using NG-Cordova Integrate PhoneGap plugins with NG-Cordova Test your apps to improve and optimize performance In Detail Hybrid Apps are a promising choice in mobile app development to achieve cost-effectiveness and rapid development. Ionic has evolved as the most popular choice for Hybrid Mobile App development as it tends to match the native experience and provides robust components/tools to build apps. The Ionic Complete

Developers course takes you on an end–to-end journey, empowering you to build real-time, scalable, and interactive mobile applications with the Ionic framework. Starting with an introduction to the Ionic framework to get you up and running, you will gradually move on to setting up the environment, and work through the multiple options and features available in Ionic to build amazing hybrid mobile apps. You will learn how to use Cordova plugins to include native functionality in your hybrid apps. You will work through three complete projects and build a basic to-do list app, a London tourist app, and a complete social media app. All three projects have been designed to help you learn Ionic at its very best. From setting up your project to developing on both the server side and front end, and best practices for testing and debugging your projects, you'll quickly be able to deliver high-performance mobile apps that look awesome. You will then hone your skills with recipes for cross-platform development. Integrating Ionic with Cordova will bring you native device features, and you will learn about the best modules from its ecosystem. Creating components and customizing the theme will allow you to extend Ionic. You'll see how to build your app to deploy to all platforms to make you a confident start-to-finish mobile developer. 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: Getting Started with Ionic – by Rahat Khanna Ionic by Example – by Sani Yusuf Ionic Cookbook – by Hoc Phan Style and approach This course shows you how to get up and running with the Ionic framework. It doesn't just give you instructions, expecting you to follow them. Instead, with a hands-on approach, it demonstrates what Ionic is capable of through a series of practical projects that you can build yourself. 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.

"Angular 2 is a web development framework focused on writing component-based applications. TypeScript allows us to develop applications in a higher language than JavaScript, avoiding common mistakes and leveraging the future features of JavaScript. The two make a great combination, helping us write maintainable, clean web applications' code using the tools of our choice. This course will get your well on your way to learning Angular 2 and TypeScript together. You will study and practice how to create Angular 2 components in TypeScript. When we are done, you will be able to set up the environment and create a full-fledged application that can consume and publish server data and allow users to interact with it. We start out by setting up an environment to develop a TypeScript-based Angular application. You will study the object-oriented features of TypeScript and then jump straight into the key concepts of Angular 2. We will create a new project setup in Visual Studio 2015 using the ASP.NET vNext web project. Next,we'll cover the creation of database and web API controllers that handle data operations using Entity Framework and SQL Server. Finally, we will create components, communicate with web services, and learn how to guide users through our application with menus and forms. This course will take your web development skills to a new level, enabling you to author Angular 2 applications from scratch."--Resource description page.

Unleash the power of PrimeNG components to design compelling user interface for your Angular applications About This Book Detailed insights into PrimeNG concepts, components and features with examples to help you make excellent User Interfaces for Angular web apps. Get familiar with themes, layouts and customization in real world applications. Develop Angular applications rapidly using advance tools and standards with best practices. Who This Book Is For This book is for everybody who would like to learn or create modern Angular based single page applications using PrimeNG component library. This book is a good choice for beginners to advanced users who are serious to learn modern Angular applications. The prerequisites for this book are some basic knowledge on the Angular 2+ version with TypeScript and CSS skills. What You Will Learn Setup PrimeNG projects with SystemJS, Webpack, and Angular CLI. Use theming concepts and layouts with grid systems and Bootstrap. Work with enhanced input, select, button and panel components. Apply countless DataTable features: sorting, filtering, grouping, and templating. Meet data iteration components: DataList, DataGrid, Tree, and so on. Build endless menu variations: SlideMenu, TieredMenu, MegaMenu, and so on. Visualize your data representations with PrimeNG charts and GMap components. Adopt best practices such as state management with @ngrx/store. Write unit and end-to-end tests with Jasmine, Karma, and Protractor. In Detail PrimeNG is a leading UI component library for Angular applications with 80+ rich UI components. PrimeNG was a huge success in the Angular world and very quickly. It is a rapidly evolving library that is aligned with the last Angular release. In comparison with competitors, PrimeNG was created with enterprise applications in mind. This book provides a head-start to help readers develop real–world, single-page applications using the popular

development stack. This book consists of 10 chapters and starts with a short introduction to single-page applications. TypeScript and Angular fundamentals are important first steps for subsequent PrimeNG topics. Later we discuss how to set up and configure a PrimeNG application in different ways as a kick-start. Once the environment is ready then it is time to learn PrimeNG development, starting from theming concepts and responsive layouts. Readers will learn enhanced input, select, button components followed by the various panels, data iteration, overlays, messages and menu components. The validation of form elements will be covered too. An extra chapter demonstrates how to create map and chart components for real-world applications. Apart from built-in UI components and their features, the readers will learn how to customize components to meet their requirements. Miscellaneous use cases are discussed in a separate chapter, including: file uploading, drag and drop, blocking page pieces during AJAX calls, CRUD sample implementations, and more. This chapter goes beyond common topics, implements a custom component, and discusses a popular state management with @ngrx/store. The final chapter describes unit and end-to-end testing. To make sure Angular and PrimeNG development are flawless, we explain full-fledged testing frameworks with systematic examples. Tips for speeding up unit testing and debugging Angular applications end this book. The book is also focused on how to avoid some common pitfalls, and shows best practices with tips and tricks for efficient Angular and PrimeNG development. At the end of this book, the readers will know the ins and outs of how to use PrimeNG in Angular applications and will be ready to create real- world Angular applications using rich PrimeNG components. Style and approach Step-by-step practical approach

Learning Angular: Covering Angular 2, 4, and 5, 2nd Edition

A clear, practical introduction to web application development with Angular 2 and Angular 4, with preliminary coverage of Angular 5 Description Angular is a powerful JavaScript framework, maintained by Google, for building web applications and for enhancing various parts of your web pages. It's a comprehensive framework that makes both development and testing easier by extending web applications with MVC capability. Marc Wandschneider, senior developer advocate at Google, has more than 20 years of experience as a developer and is the author of two programming books and two other LiveLessons video training. In this video training, Marc uses a live-coding approach throughout to show developers how to start from scratch and work their way up to building a meaningful, yet not overly complicated application. In this video training, Marc starts by introducing Angular and showing how to install it along with related tools like Node.js, TypeScript, Bootstrap, Angular CLI, and Visual Studio Code. After a quick tutorial on TypeScript, the video course next shows how to create an Angular application from scratch while explaining the primary pieces of an Angular application and see how they work together. Using lots of examples, the core parts of Angular are introduced, such as Components, Directives, the Router, Services, and Pipes and Directives. About the Instructor Marc Wandschneider has worked extensively with open source and web development platforms. He travels the globe, consulting as a lead manager for software projects and teams. He is the author of the book Learning Node.js (Addison-Wesley) and the video courses Learning Node.js and Learning Angular LiveLessons . A graduate of the McGill University School of Computer Science, he spent five years working for Microsoft, where he developed and managed developers on the Visual Basic, Visual J++, and .NET Windows Forms teams. Skill Level Beginner Intermediate What You Will Learn Why

Angular is really exciting How Angular is hugely innovative and new How not to be afraid of TypeScript and indeed how to embrace it How to write fast, compact, and reliable applications How to stay up to date with the latest in web application design and techniques Who Should Take This Course Web developers and instructors who want to quickly get up to speed with the fundamentals of the latest version of the Angular framework Course Requirements Basic understand...

Learn how to rapidly prototype and build modern web applications with Angular 2 and .NET development tools, including Visual Studio and TypeScript.

"An enjoyable and important read. Highly recommended!" David Barkol, Microsoft 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/course 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. 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. Inside: Design and build modular applications Transpile TypeScript into today's JavaScript Use modern JavaScript workflow tools like npm, Karma, and Webpack Target audience are intermediate web developers with a working knowledge of JavaScript. No TypeScript or AngularJS experience needed. Yakov Fain and Anton Moiseev are experienced web application developers. Yakov has written several books on software development. An instant classic! The only book you need to learn and master Angular 2 and TypeScript. David DiMaria, MapQuest Excellent! The purpose of this book is not knowledge but *action*. Irach Ilish Ramos Hernandez, Groupaxis Shows you how to leverage the combined power of TypeScript and Angular 2, with all the best practices baked in. Sebastien Nichele, Pacifica NARRATED BY MARK THOMAS.

Step by step guide to become an expert in Angular DESCRIPTION This book provide all the important aspects required for angular developers looking for brief and useful content for frequently asked Angular Interview questions. You have already worked with other Modern Web Frameworks like AngularJS 1.x, KnockoutJs, Ember, Backbone and now you are keen to become an expert in Angular including version 2, 4, 5 and 6. You have no framework experience at all but you have a profound understanding of Angular and now you are keen to know how to bring your web apps as well as mobile apps to the next level. This book will give you an idea of the Angular framework (including version 2, 4, 5 and 6 and provide you an excellent understanding of the concepts. Changing job is one of the biggest challenges

for any IT professional. When IT professional starts searching job, they realise that they need much more than experience. Working on a project is one thing and cracking an interview is another. This book will give you a bird's eye view of what is needed in an interview. It will help you in doing a quick revision so that you can be ready for the discussion faster. KEY FEATURES Book provide all the important aspects required for angular developers Learn modern Web Frameworks like AngularJS 1.x, KnockoutJs, Ember, Backbone Book will give you an idea of the Angular framework (including version 2, 4, 5 and 6) and provide you an excellent understanding of the concepts. WHAT WILL YOU LEARN The Basic Concepts of Angular, its Components, Directives and Modules Angular Form, Elements, Templates, and Validations Dependency Injection (DI), HttpClient Angular Services, Routing and Navigation Angular Compiler, Pipes, Service Workers Server Side Rendering (Angular Universal) Angular Security, Cookies Basic Understanding of Angular Testing and TypeScript WHO THIS BOOK IS FOR You are new or have some experience in Angular and now want to take the step to become an expert in Angular and want to learn more about how you can apply the new concepts specifically for an Interview or developing robust web apps as well as mobile apps. Table of Contents 1.The Basic Concepts of Angular 2. Angular Components 3. Angular Directives 4. Angular Modules 5. Angular Form, Templates, and Validations 6. Angular Elements 7. Dependency Injection (DI) 8. HttpClient 9.Angular Services 10.Routing and Navigation 11.Angular Compiler 12. Angular Pipes 13.

Service Workers 14. Server Side Rendering (Angular Universal) 15.Angular Security 16. Angular Cookies 17. Basic Understanding of Angular Testing 18. Basic Understanding of TypeScript

"Build enterprise-ready web applications using TypeScript and leading JavaScript frameworksAbout This Book*Focus on building quality applications that are modular, scalable, maintainable, and adaptable.*Enhance your TypeScript knowledge through practical scenarios with in-depth discussions on language features, third-party libraries, declaration files, and more*Work through pragmatic examples that show you how to use TypeScript with popular JavaScript frameworks including Backbone, Angular, Node.js, RequireJS, and MarionetteWho This Book Is ForWhether you are a JavaScript developer who wants to learn TypeScript or an experienced TypeScript developer who wants to take your skills to the next level, this book is for you. If you are an enterprise JavaScript developer who builds web sites using Backbone, Marionette, Angular, Angular 2, Aurelia, or React.js, then this book will make you a better, more productive programmer.What You Will Learn*Gain an in-depth understanding of TypeScript's language features*Integrate any existing third-party JavaScript library into your project*Understand the level of integration that third-party libraries can achieve using the TypeScript language*Employ test-driven development techniques to build high-quality applications*Organise your application's code using modules*Work with popular JavaScript libraries, including Node.js, Backbone, Marionette, Angular, ExtJs,

Angular 2, Aurelia, and React.js*Master advanced object-oriented programming techniques, including service location and dependency injection*Grasp techniques to build complete single page web applications with TypeScriptIn DetailTypescript is a language and a compiler that brings JavaScript development up to the enterprise level. By adding a little "syntactic sugar" to the JavaScript language, TypeScript enables developers to use strong typing, classes, interfaces, inheritance, generics, and more when writing JavaScript code.This book will bring you up to date with the new language features of TypeScript. It covers the future language features of JavaScript, as defined by the ES5, ES6, and ES7 standards that are now available through TypeScript, and shows you how the compiler takes care of generating ES3 compatible JavaScript code-even when using these new language features.Packed with practical, example-oriented scenarios, the book will give you a deeper understanding of working with classes, interfaces, and generics, along with advanced language features such as Decorators, and async/await techniques. It will show you how TypeScript works with popular and in demand frameworks such as Angular 2, Aurelia, and React.js and how to integrate third-party libraries into your applications.We'll add to your repertoire of skills with test-driven development. We will then move on to understanding of modularisation with Node.js and AMD module loaders. The book will end by teaching you how to build industrial-strength applications."
A quick and concise guide to Angular 2 Components

About This Book First look to the Angular 2 Components architecture Creating your own Angular 2 Component Integrating your components with third party components Who This Book Is For If you are a front-end developer with some experience in Angular and want to understand Angular 2 Components, and easily put it to use to create powerful user interfaces and views, then this book is for you What You Will Learn Break your application into reusable dynamic components Take advantage of TypeScript in Angular 2 Migrate your Angular 1 directive to an Angular 2 Component Understand the Angular 2 component structure and APIs Hook to component life cycle events Bind dynamic data to your component properties Communicate with other components using events Compose complicated UIs from simple components In Detail This book is a concise guide to Angular 2 Components and is based on the stable version of Angular 2. You will start with learning about the Angular 2 Components architecture and how components differ from Angular directives in Angular 1. You will then move on to quickly set up an Angular 2 development environment and grasp the basics of TypeScript. With this strong foundation in place, you will start building components. The book will teach you, with an example, how to define component behavior, create component templates, and use the controller of your component. You will also learn how to make your components communicate with each other. Once you have built a component, you will learn how to extend it by integrating third-party components with it. By the end of the book, you will be confident with building and using

components for your applications. Style and approach A step-by-step guide covering features and working of Angular 2 Components along with the process for creating your own components.
This book has the collection of Angular 2 Interview Questions and Answers with TypeScript and basic of Angular 4. Angular 2 is a most popular framework for developing mobile as well as web applications. Angular 2 is so simpler, faster, modular and instrumented design and it is developed by Google and Misko Hevery is the father of Angular. You can learn complete knowledge of Angular 2, TypeScript and Angular 4 simpler and faster with examples. This book has important questions and answers for beginner and expert level of developers and it's containing 115 questions and answers with TypeScript, Angular 4 and examples.
Leverage the features of TypeScript to boost your development skills and create captivating applications About This Book Learn how to develop modular, scalable, maintainable, and adaptable web applications by taking advantage of TypeScript Explore techniques to use TypeScript alongside other leading tools such as Angular 2, React, and Node.js Focusing on design patterns in TypeScript, this step-by-step guide demonstrates all the important design patterns in practice Who This Book Is For This Learning Path is for intermediate-level JavaScript developers who want to use TypeScript to build beautiful web applications and fun projects. No prior knowledge of TypeScript is required, but a basic understanding of jQuery is expected. This Learning Path is also for experienced

TypeScript developers who want to take their skills to the next level, and also for web developers who wish to make the most of TypeScript. What You Will Learn Understand the key TypeScript language features and runtime Install and configure the necessary tools in order to start developing an application Create object-oriented code that adheres to the SOLID principles Develop robust applications with testing (Mocha, Chai, and SinonJS) Apply GoF patterns in an application with a testing approach Identify the challenges when developing an application Migrate JavaScript codebases to TypeScript to improve your workflow Utilize System.JS and Webpack to load scripts and their dependencies Develop high performance server-side applications to run within Node.js In Detail TypeScript is an open source and cross-platform typed superset of JavaScript that compiles to plain JavaScript that runs in any browser or any host. TypeScript adds optional static types, classes, and modules to JavaScript, to enable great tooling and better structuring of large JavaScript applications. Through this three-module learning path, you'll learn the ins-and-outs of TypeScript for building more robust software. The first module gets you started with TypeScript and helps you understand the basics of TypeScript and automation tools. Get a detailed description of function, generics, callbacks, and promises, and discover the object-oriented features and memory management functionality of TypeScript. The next module starts by explaining the current challenges when designing and developing an application and how you can solve these challenges by applying the correct

design pattern and best practices. You will be introduced to low-level programming concepts to help you write TypeScript code, as well as working with software architecture, best practices, and design aspects. The final module will help you build a complete single page app with Angular 2, create a neat mobile app using NativeScript, and even build a Pac Man game with TypeScript. As if the fun wasn't enough, you'll also find out how to migrate your legacy codebase from JavaScript to TypeScript. By the end of this Learning Path, you will be able to take your skills up a notch and develop full-fledged web applications using the latest features of the TypeScript. 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: Learning TypeScript by Remo H. Jansen TypeScript Design Patterns by Vilic Vane TypeScript Blueprints by Ivo Gabe de Wolff Style and approach This is a step-by-step, practical guide covering the fundamentals of TypeScript with practical examples. The end-to-end projects included in this book will give you ready-to-implement solutions for your business scenario, showcasing the depth and robustness of TypeScript.

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