Mastering Angular 20 Boot Camp (TT4168)

Price: 2495

Duration: 5 days

Delivery Methods: Virtual

Overview

Updated for Angular 16 and geared for experienced web developers, our Mastering Angular 16 Boot Camp provides you with hands-on experience working with the latest features and benefits Angular has to offer. It provides you with the practical “real-world” foundational and advanced Angular skills required to solve the usual challenges you might face when developing modern web applications with JavaScript. You’ll leave the course equipped to construct robust, scalable, and feature-rich web applications using Angular 16, able to implement seamless user experiences, integrate with various data sources through REST APIs, and employ best practices in unit testing for sustainable, high-quality code.

The course starts off with a solid introduction to the core features of the Angular CLI and TypeScript. You’ll then jump right into component-driven development with Angular components, covering data-binding, directives, services, SPA routing, the RxJS library, forms, unit testing, and HTTP/REST. You’ll also learn how to add authentication, use the Material library, and make custom directives.

By the end of this course, you’ll have developed a streamlined yet feature-rich application. This application will include components to structure your website, directives for dynamic interactivity, and custom pipes for content formatting and filtering. You’ll also implement reactive forms for user engagement, SPA routing for seamless navigation, and services to optimize data management and speed. The course emphasizes the importance of unit testing in a Test-Driven Development environment and teaches you how to interact efficiently with web servers using REST APIs. Finally, you’ll integrate the Material library to give your web pages a modern, professional aesthetic.

Please note that this course is available for other earlier editions of Angular (Angular 15, etc). Please inquire for details and options.

Audience Profile

The content is appropriate for experienced web developers new to Angular. In order to be successful in the course, you should have solid, current hands-on experience developing basic web applications, and be well versed in HTML5, CSS3 and JavaScript.

At Course Completion

The lab intensive course includes plenty of hands-on lab work designed to immerse you in the skills required to get you up and running with Angular right away. The course is rich with hands-on activities, challenge labs, knowledge checks, valuable discussions and focused projects.

Guided by our engaging, highly-experienced instructor, you'll explore:

· What Angular is and why should you use it

· How Angular reduces the amount of code that you must write to add rich functionality to both existing and new web pages

· What TypeScript is, why it is useful, and how to use it with Angular

· How to facilitate development and deployment using Angular CLI

· How to work with the various aspects of the Angular architecture to implement clean, responsive web interfaces

· How Routers can support navigation within a Single Page Application

· What the best practices are for using Angular so that it works unobtrusively and performs well

· How to use Angular with HTTP to support JSON, REST, and other services

· How to manage routing decisions based on pre-defined criteria such as a successful authentication

· How to meet huge data requirements by processing asynchronous data streams with RxJS

· How to facilitate unit testing

· Optimize Angular applications with various tools and techniques

If your team requires different topics, additional skills or a custom approach, our team will collaborate with you to adjust the course to focus on your specific learning objectives and goals.

Prerequisites

Attendees should have experience with the topics in the following courses, or should have recently attended these as a pre-requisite:

Introduction to HTML5, CSS3 & JavaScript

Course Schedule

Date	Time	Price	Options

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How do I enroll for this class?

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You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a ‘Certificate of Completion’ once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.