

Why Learn Angular Front End Developer?

This course will guide you from the basics of the framework such as Forms, Pipes, and CSS Styling to the more complex fundamentals of Routing, Directives, along with exercises on how to build end-to-end, working applications.

Audience Profile :

- Anyone who is willing to build their own JavaScript based project
- Anyone who wants to learn angular

Prerequisites:

- Anyone who has just completed the HTML, CSS, and JavaScript and want to extent their skills in JavaScript
- Intermediate JavaScript skills



Course Overview:

- Angular is a JavaScript-based framework that is used to create web applications, desktop, and mobile applications, which is completely written on Typescript which is developed by Microsoft.
- Angular is highly popular, productive, packed with a lively community, very well documented, and produces blazing-fast apps that can run on various platforms.
- Angular is widely popular for creating dynamic apps and its data binding and dependency injection features significantly reduce the amount of code that needs to be written.
- It is being used extensively by developers for building web, desktop, and mobile applications.
- This course will guide you from the basics of the framework such as Forms, Pipes, and CSS Styling to the more complex fundamentals of Routing, Directives, along with exercises on how to build end-to-end, working applications.
- Through our hands on, practical approach, you will get working knowledge of developing Single Page Apps and creating highly responsive and interactive web pages.

Angular Front End Developer Outline:

- Module 1: Introducing Angular
 - What is Angular?
 - Central Features of the Angular Framework
 - Appropriate Use Cases
 - Building Blocks of an Angular Application
 - Basic Architecture of an Angular Application
 - Installing and Using Angular
 - Anatomy of an Angular Application
 - Running the Application
- Module 2: Introduction to TypeScript
- Module 3: Components
- Module 4: Component Templates
- Module 5: Inter Component Communication
- Module 6: Template Driven Forms
- Module 7: Reactive Forms
- Module 8: Services and Dependency Injection
- Module 9: Pipes and Data Formatting
- Module 10: HTTP Client
- Module 11: The Angular Component Router
- Module 12: Advanced HTTP Client
- Module 13: Unit Testing Angular Applications
 - Unit Testing Angular Artifacts
 - Testing Tools
 - Typical Testing Steps
 - Test Results
 - Jasmine Test Suites
 - Jasmine Specs (Unit Tests)
 - Expectations (Assertions)
 - Matchers
 - Examples of Using Matchers
 - Using the not Property
 - Setup and Teardown in Unit Test Suites
 - Example of before Each and after Each Functions
 - Angular Test Module
 - Example Angular Test Module
 - Testing a Service
 - Injecting a Service Instance
 - Test a Synchronous Method
 - Test an Asynchronous Method
 - Using Mock HTTP Client
 - Supplying Canned Response
 - Testing a Component
 - Component Test Module
 - Creating a Component Instance
 - The Component Fixture Class
 - Basic Component Tests
 - The Debug Element Class

Training Solutions:

✓ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

✓ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

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