Document Generated: 12/18/2025

Learning Style: On Demand

Technology: Microsoft

Difficulty: Advanced

Course Duration: 16 Hours

Advanced Angular

About this Course:

This advanced-level training program is specifically designed for Web Developers & Programmers striving to the advanced concepts of Angular. This course is best suited for professionals with the basic knowledge of Angular Fundamentals and seeking a conceptual understanding of advanced features and functionalities. This course will nurture the application development skills of programmers working with JavaScript & TypeScript.

Professionals will gain expertise in working within Angular Environment and pursue a successful career as professional web developers and programmers. This course focuses on the core concepts of Template-Driven & Reactive Form Development, Form Validation, Advanced Angular Components, Favorite Function, Multiple APIs Calling, Production Builds, AOT Compilation, Lifecycle Hooks, Custom Directives, and Angular Universal Applications.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Advanced Angular Core Features and Functionalities
- Template-Driven Form & Reactive Form Development & Validation
- Angular Advanced Components including Operators, Observables, & Responses
- Lifecycle Hooks and Custom Directives & Pipes
- Favorite Function and Display Components Development
- Component Interaction and Multiple APIs Calling
- Fundamentals and Essentials of Production Builds
- AOT Compilation and Angular Universal Applications

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- Web Developers & Information Workers
- Programmers and Coding Experts
- IT Professionals & Web Designer

Prerequisites:

Professionals planning to enroll in the Advanced Angular course must comply with the following prerequisites:

- Fundamental Knowledge and Understanding of Core HTML5
- Basic Understanding of Installing and Running Computer Programs
- Familiarity with Fundamentals of CSS and Angular
- Know-how of Terminal Usage and Operating System Command Line

- Angular Fundamentals Certification is also Highly Equivalent

Course Outline:

Forms

- Template-Driven Forms
- Reactive Forms
- Form Validation
- Labs Overview And Config
- Create a Template Driven Form
- Create a Reactive Form
- Add Validation
- Self Assessment
- Module test

Advanced RxJS

- Observables
- Operators
- Labs Overview And Config
- Update Your Service
- Call Multiple APIs
- Combine Responses
- Self Assessment
- Module test

Advanced Components

- Component Interaction
- Lifecycle Hooks
- Custom Directives
- Custom Pipes
- Labs Overview And Config
- Create Display Components
- Create Favorite Function
- Create Custom Directives and Pipes
- Self Assessment
- Module test

Production Builds and Universal

- AOT Compilation vs
- Production Builds
- Angular Universal
- Labs Overview And Config
- Create Production Build
- Use Angular Universal
- Self Assessment
- Module test?