Document Generated: 10/31/2024

Learning Style: On Demand

Provider: Microsoft

Difficulty: Intermediate

Course Duration: 24 Hours

AngularJS: Advanced Framework Techniques

About this Course:

This intermediate-level course is specifically designed for IT Professionals with the basic knowledge of Angular. This is a perfect training program for candidates who want to learn advanced concepts of Angular JS and build familiarity with its implementation. Students who have familiarity with programming in CSS, HTML,

and JavaScript can also greatly benefit from the teachings of this course.

This 24 hours training program encompasses tutorial-style practical labs to help develop practical knowledge of AngularJS core features and functionalities. This course also covers the basics of Implementing Factories and Services within Angular and shed lights on DOM Manipulation and Numerous Directives Display. In addition to this, professionals get to learn about Angular Animation Application, Angular Bootstrapping, Express Configuration & Installation, Navigation Implementation, and Routes Configuration. Besides this, this course also covers key methods and practices of performing End-to-End and Unit Tests in AngularJS.

Course Objectives:

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

- Factories and Services Implementation within Angular
- DOM Manipulation and Different Directives Presentation
- Angular Animation Application to JavaScript and CSS and Angular Bootstrapping
- Express Configuration, Installation, and Running
- Routes Configuration, Navigation Implementation, and Developing Application
- Performing End-to-end and Unit Testing

Audience:

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

- Entry-Level HTML, JavaScript, and CSS Developers
- Professionals striving to learn more about AngularJS
- IT Professionals and Programmers

Prerequisites:

Professionals planning to enroll in the AngularJS Advanced Framework Techniques course must comply with the following prerequisites:

- Fundamental Knowledge of Angular
- Experience of Working with Angular for Web Projects
- Basic Understanding of HTML
- Know-how of CSS Fundamentals and Implementation
- Practical Understanding of JavaScript

Course Outline:

Module 1

- Resource Content: Angular Services for Data Access
- Module Labs: Overview and Required Configuration
- Tutorial Lab: Implementing a Session Service
- Tutorial Lab: Implementing a Session Factory
- Self-Assessment Lab: Services and Factories

Module 2

- Resource Content: Directives and Scope
- Module Labs: Overview and Required Configuration
- Tutorial Lab: Creating an Advanced Directive
- Tutorial Lab: Implementing Isolated Scope
- Tutorial Lab: Manipulating the DOM with Link Functions
- Self-Assessment Lab: Implementing Directives and Isolated Scope

Module 3

- Resource Content: Bootstrap and ngAnimate
- Module Labs: Overview and Required Configuration
- Tutorial Lab: UI Components with Angular Bootstrap
- Tutorial Lab: Using ng-animate
- Self-Assessment Lab: Implementing Angular Bootstrap and Animation

Module 4

- Resource Content: Node, NPM, and Express
- Module Labs: Overview and Required Configuration
- Tutorial Lab: Installing Node and NPM
- Tutorial Lab: Installing Express
- Self-Assessment Lab: Installing Packages By Using Node and NPM

Module 5

- Resource Content: Routing Tools and Configuring Angular Modules
- Module Labs: Overview and Required Configuration
- Tutorial Lab: Configuring Express Global Route
- Tutorial Lab: Implementing Angular Providers
- Tutorial Lab: Implementing Angular Routing
- Self-Assessment Lab: Adding Routes and Pages in an Angular Application

Module 6

- Resource Content: Testing Tools
- Module Labs: Overview and Required Configuration
- Tutorial Lab: Implementing Unit Testing
- Tutorial Lab: Implementing End-To-End Testing
- Self-Assessment Lab: Implementing Unit and End-To-End Tests?

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