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Angular is a powerful client-side JavaScript framework from the Google and that supports maintainable, simple, responsive, and modular applications. Angular uses modern web platform capabilities. Angular training provides in-depth knowledge to the delegates about the latest concepts including TypeScript, Dependency Injections, SPA (Single Page Application), Directives, Bootstrap Grid System, Forms, Promise, Pipes, and the Observables. The delegates will understand the testing of the Angular class. Angular is a JavaScript framework, and it is used to create enterprise, scalable and performant client-side web applications.

Angular framework is a one of the important feature of Angular and it is quite flexible when it is using of external libraries. Throughout the training, the delegates will able to understand about the dependency injection and describe the creation and working with Injectable dependencies, express Change detection and Emulation strategies. The Angular Certification training enables the delegates to master front-end web development with Angular. With the help of the Angular training, the delegates will able to work with custom directives, custom pipes and with HTTP features.

The delegates will understand the working of Promises and Observables. The delegates will get familiar with the Angular architecture. The delegates will also understand how to work with the Model-View-Controller (MVC). At the end of the Angular training, the delegates will able to analyse application cleanliness and Angular Modules. The delegates will also be able to work with SPA Routes, work with inbuilt, directives and Forms, and work with inbuilt Pipes.

Prerequisites

For attending the Angular certification training, the delegates should have basic Knowledge of NodeJS, NoSQL and MongoDB and JavaScript.

Course Objectives

After the completion of Angular Certification Training at Silicon Beach Training, the delegates will be able:

- Understand about the client side MVC, SPA and Typescript
- To apply various application designs, testing practices, and related development tools DI
- Explain XHR communication, Form manipulation, and REST API communication
- Understand the different ways of development using alternate APIs and use them as per use cases
- Understand the Internationalization/Localization, and External libraries such as JQuery, Bootstrap and incorporation
- Understand the working on a real-life Project, implementing an Electronic Voting System to learn Create-Read-Update-Delete concepts and derive Business Insights
- State Async supporting libraries/features like Promises, Observable

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Introduction JavaScript MVC Framework and Angular

- Introduction to JavaScript MVC and SPA Intro
- NodeJS Intro (NPM)
- Typescript Introduction
- When to use types / When not
- Angular Hello World Demo

Components and DOM Interaction

- Describe Components and Creation
- Creating components and using Metadata
- Multiple Components and Passing data
- Introduction to DOM Manipulation using Angular APIs
- Work with Multiple components
- Work with DOM manipulation API

Components and Dependency Injection

- Overview of component creation strategies
- Introduction to Angular lifecycle hooks
- Introduction to Dependency Injection
- Sharing data between components

Routes, Inbuilt Directives and Pipes

- Understand the Angular Modules
- Simple and Nested Routes
- Inbuilt Directive and Pipes

Custom Directives and Pipes

- Custom Directives
- Custom Pipes
- Inbuilt Features - HTTP Request

Third-party Library Integration, Other APIs

- Introduction to Third party library integration
- Introduction to SystemJS/CommonJS
- Integrating JQuery / Socket.io
- Introduction to i18n and l10n
- Touch Angular 1.x to 2.x (or Higher usage) - Do’s and Don’ts
- Other APIs

Unit Testing and Angular-CLI

- Unit Testing
- Related Tools and TDD

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- Introduction to Jasmine Framework
- Introduction to Angular CLI
- Unit Test Environment and set up using Angular CLI
- Other Tool

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