

Angular JS Course Content

Object Oriented JavaScript :

- Function as First-Class Objects
- Functions In Depth
- Function Objects
- Function Invocation Patterns
- Closure
- Closure In Depth
- How Closure Works
- Extending object
- AngularJs Components and Architecture

AngularJS Introduction : • Introduction to AngularJS

- How AngularJS is opinionated
- AngularJs Components and Architecture

AngularJS Applications : • Creating Boundaries using ng-app

- Model View Controller
- Templates and Data Binding
- Repeating elements in templates

- Using Expressions, CSS Classes and Styles
- Using Controllers for UI responsibility separation
- Understanding Controllers Boundary and Scopes
- Scope inheritance in Controllers
- Responding to model changes
- Working with inbuilt directives

Using Filters : • Filters Overview

- Understanding Filter Expressions
- Building custom Filters
- Implementing filters and custom filters in example
- Understanding Built-in Directives

Routing in AngularJS : • Understanding routing in AngularJs

- Using ngRoute Module
- Creating routes
- Passing parameters to Routes

Hands On: • Creating a simple E Commerce Front End Page using AngularJS.

MODULE 2(COURSE CONTENT)

Dependency Injection in AngularJS : • Dependency Injection

- Services, Factories and providers
- Modularity using Services
- Injecting Services
- Creating Custom Factories and Providers
- Creating example using services

Directives : • Directives Overview

- Creating Directives
- The Directive Definition Object
- Compilation and Linking
- Creating Components
- Implementing directives in the example app

Communicating with Servers : • Understanding server communicating with angular

- Communicating over \$http
- Configuring the requests
- Sending Http Headers
- Caching Responses
- Request and Response Transformation

Using REST : • Working with get to fetch data

- Post, Put, Delete

Testing Overview : • Testing Models using Jasmine

- Creating Unit tests for AngularJS Components
- Using Protractor for end to end testing
- Creating End to End tests for AngularJs

Advanced topics in AngularJS : • Creating Advanced Routes using ui-router

- Using local storage with AngularJS
- Scripts optimizations
- Securing AngularJS application

Mobile Application Development Using AngularJS : • Introduction to ionic framework

- Installation and configuring ionic
- Creating Apps using Ionic
- Using the ionic command line
- Deploying Sample Application using Ionic

Hands On: • Creating a simple IONIC application using AngularJS.