

App Development using AngularJS

Course Contents:

1 Introduction

- Structure to understand
- Set Up Development Environment

2 Architectural design patterns

- MVC& MVVM pattern
- Controller
- Model
- View

3 First AngularJS App

- Introduction
- Using AngularJS
- Applying Angular JS to the HTML file
- Hello World App
- Round Trip and Single Page Applications

4 Built-In Directives, Filters and Events

- Data Binding and expression
- Inbuilt Directives
- Angular Events
- Handling Events
- Iterating Over Data
- Working with Filters
- Sorting and Formatting Data

5 Views, Module and Controllers

- Role of Module
- Creating and working with modules
- Working with Scope
- Dependency Injection in Angular
- Role of Controllers
- Adding a Controllers to a Module

6 Application Structure, templating and Routing

- Application Directory Structure
- Routing Overview
- Configuring Routing
- Ng-view Directive

7 A real Application

- Creating Application Skelton

- Creating Multiple Views
- Creating Partial Views
- Adding Navigation
- Adding Data
- Applying Bootstrap for styling
- 8 Angular Form**
- Form directives
- Angular Form validation
- 9 Custom Directive and Filters**
- Creating Custom Filters
- Transclusion
- Creating Custom Directives
- Creating Complex Directives
- 10 Working with Services and Factory**
- Creating Services
- Built-In Services
- Working with Ajax and Promises
- Consuming the Promises
- Working with Rest
- Route and URL Services
- 11 UI and Animation**
- Animation in Angular
- Working ngAnimation Module
- 12 Services for Testing**
- Working with Karma and Jasmine
- Understanding the Mock Objects
- Testing a Controller
- Using a Controller
- Using the Mock Objects