AngularJS

AngularJS Training Overview

AngularJS is one of the JavaScript open-source web application frameworks which is generally used to add an **HTML** page along with a tag. The major aim of AngularJS is to simplify the application development and testing performance by providing a framework called **MVC** (**Model View Controller**) Architecture. It enables the application to change from bulk amount of programming code into a simple code

AngularJS Training Objectives

- The main objective of Angular JS is to reduce the code to build user interface applications
- To create single page applications
- To restore data from back-end server and manipulate it easily

Who should do the course

Anyone who are showing interest towards course to build their career in Angular world

Prerequisites for Angular JS Course

- HTML and JavaScript

Angular JS Course Content

AngularJS Introduction

- Introduction To Client Side Scripting Languages
- Basics of Javascript and jQuery
- Introduction to AngularJS and Its History
- Why should we use AngularJS?

Execution flow

Controllers

- Properties, Methods
- Binding controllers with views
- Controller hierarchy
- Sharing data between controllers

Bootstrapping Angular APPS

AngularJS

- Auto bootstrap
- Custom bootstrap

Data Binding

- Binding Model Objects
- Model Objects Visibility
- $scope
- $rootScope
- Difference between $scope & $rootScope
- Using $emit and $broadcast
- JSON advantages
- Using JSON in Angularjs
- Use of $watch, $digest & $apply

Understanding AngularJS Architecture

Dependency Injection

- What is Dependency Injection?
- Implicit DI
- Inline Array Annotated DI
- $inject Array Annotated DI

Expressions

- AngularJs Expressions, AngularJS Numbers
- AngularJS Strings, AngularJS Arrays
- AngularJS Objects

Directives

- Power of directives

- Working with built in directives
- ng-app, ng-init
- ng-model, ng-repeat
- ng-class, ng-template
- ng-include
- Working with custom directives

Filters

- Adding Filters to Expressions, Directives
- Working with built in filters
- Creating custom filters

Events

AngularJS

- ng-click
- Hiding HTML Elements
- ng-disabled
- ng-show, ng-hide

Modules

- Controllers Pollute the Global Namespace
- AngularJS Application Files

AngularJS XMLHttpRequest (AJAX)

- AngularJS $http

AngularJS Forms & Input Validation
AngularJS Service Types

- Constants and Values, Factories
- Services, Providers

Single Page Applications

- What is SPA?
- How to work with SPA in angular
- Working with routes
- Static & dynamic routing

REST API Calls

- Overview of REST API
- Use of angular resource module

Animations

- Overview of transitions
- Use of angular animate module

Angular with UI Frameworks

- ui boostrap
- anguar-meterial

Behavior Driven Development

- Overview of Nodejs
- installation of karma and jasmin
- working with karma and jasmin

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