
Angular JavaScript

Angular JS is a framework of Javascript for single page applications. Although it was released a few years ago, it became very popular in 2013 and now is regarded as one of the top frameworks of Javascript. Angular is what HTML would've been if it was designed for building applications. Angular teaches the browser new syntax through a construct called directives.

The framework provides an exceptional amount of “ease” to make app development and testing easier in Javascript. It has everything you need to build an application in a web page: data-binding, basic templating directives, form validation, routing, deep-linking, reusable components, dependency injections. It has testability and a seed application with directory layout and test scripts as a starting point.

Since it is supported by Google (the original developer of Angular JS works in Google); it is used by many companies and independent developers to build web apps and websites.

Where is AngularJS Used

Angular JS's design makes it as big as a library but you can do all kinds of this with this Javascript framework. Hence there are many high-traffic websites that use Angular JS. For the low-traffic websites that don't have use of so many operations, there is the choice of Backbone JS - but if you want to work in a big company's website, then knowing Angular would be better.

Some prominent applications that have been built using Angular.JS include - Vevo, Youtube on PS3.

Our Course

Our course is practical oriented. The trainers are experienced programmers currently working on projects of Angular.JS. 80% of the course would be practicals, the rest theory. As such you would be given assignments on every topic.

Throughout our course you will write code to apply what you have learnt and solve programming problems.

Objectives of this course

- Know about Angular.JS environment

- Know How to use Angular JS filters, services & directives
- Make a simple program with Angular.JS
- How to test your Angular.JS application

Requisites for this course

You should have a working knowledge of HTML, CSS and solid knowledge of Javascript.

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We always keep ourselves updated about current market trends & needs, but if you think we have not covered enough training topics, then we welcome you to suggest us & we will be more than happy to include them in syllabus.

Customized Corporate Private Trainings: We deliver all our courses as [Corporate Training](#) as well - if you are a group interested in the course, this option may be more advantageous for you.

Course curriculum

INTRODUCTION

BRIEF REVIEW OF ANGULAR BASICS [ONLY IF NEEDED] Controllers and Models
Directives
Services
Routing and Single Page Applications

ANGULAR USER INTERFACES

Angular Forms

- Angular forms vs HTML forms
- Angular form controls
- Form events
- The form controller
- Form validation
- CSS classes for form data

Using Angular with Angular UI and Angular Bootstrap

- Introduction to AngularUI
- Introduction to Bootstrap (and AngularUI's implementation)
- Page layout and organization
- UI Widgets

ANGULAR SERVICES

Providers as a concept
The Service Provider

- Mocking out your Service during testing

The Factory Provider

- Testing your Factory

The Provider recipe

DEVELOPING CUSTOM DIRECTIVES

Teaching HTML new tricks
Binding text and attributes
Directive processing lifecycle

- DOM Processing
- Compilation

- Linking

A basic directive

Directives and scopes

Creating reusable directives

Turning directives into components

Transclusion

Examples:

- Custom Elements
- Custom Event Handling
- Observing Model Changes with \$observe

ENHANCED END-TO-END TESTING

Introduction to End-to-End testing

Setting up Protractor

Configuring your browser()

Grabbing elements

Firing events

Examining data

ANGULAR JS USING MVVM

FILTERING REPEATERS.

TWO-WAY DATA BINDING.

FILTERS.

EVENT HANDLERS.

REST AND CUSTOM SERVICES.

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