

AngularJS

Course Summary

Description

After understanding how HTML5 and JavaScript work together you soon realize that to create truly capable web applications, the code becomes complex and expensive to maintain. That's where AngularJS comes in. This client-side MVC-like framework allows us to drastically reduce the amount of JavaScript code written by making our web apps easier to understand at all levels. AngularJS takes care of the wiring and 'magic' to make our web apps truly abstract.

AngularJS is the framework of choice for organizations who are creating the best and newest web applications. This fun and interactive course will get your developers ready to begin using AngularJS to keep you at the cutting edge of technology.

Objectives

By the end of this course, participants will be able to:

- Create single-page apps with Angular
- Use Angular with and in place of jQuery
- Know how AngularJS works with the Model, View and Controller in your web app
- Understand and use AngularJS expressions, filters, validation, routing and binding

Topics

- Intro to Angular/Why Angular?
- Angular quick start
- Setting up the Angular environment
- What is MVC?
- Intro to directives/built-in directives
- Angular controllers
- Angular views
- Angular events
- Forms with Angular
- Templates
- Angular scopes
- Angular providers
- Services
- Modules
- Ajax with Angular
- REST with \$resource
- Filters
- Single-page apps
- Routing
- Unit testing Angular
- Angular with Bootstrap
- Validation
- Custom directives
- Transclusion
- Custom filters
- Promises with \$q

Audience

Client-side Web Developers with experience in HTML5 and JavaScript

Prerequisites

Understanding of HTML5 and a very strong grasp of advanced/object-oriented JavaScript

Duration

Five days