



ANGULAR JS:

AngularJS is a JavaScript-based open-source front-end web framework mainly maintained by Google and by a community of individuals and corporations to address many of the challenges encountered in developing single-page applications. It aims to simplify both the development and the testing of such applications by providing a framework for client-side model-view-controller (MVC) and model-view-view model (MVVM) architectures, along with components commonly used in rich Internet applications.

AngularJS is a popular JavaScript framework used to build powerful, interactive websites with sleek animations and pleasant user experience. Angular's powerful directives are markers on a DOM element that can be easily added to a web application's HTML template. And its 2-way data binding helps developers write less code. AngularJS is maintained by Google and its popularity has increased significantly in recent years.

Features:

- MVVM to the Rescue!
- REST Easy
- Data Binding and Dependency Injection.
- Extends HTML.
- Makes HTML your Template.
- Enterprise-level Testing.



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- Everything you need to build a CRUD app in a cohesive set: Data-binding, basic templating directives, form validation, routing, deep-linking, reusable components and dependency injection.
- Testability story: Unit-testing, end-to-end testing, mocks and test harnesses.
- Seed application with directory layout and test scripts as a starting point.

Course Content:

- Introduction to AngularJS
- What does AngularJS do for me?
- Who controls AngularJS?
- How can I get AngularJS?
- Our first AngularJS application
- A basic application
- Using angular-seed
- The pieces of the puzzle
- Two-way data binding
- Directives
- How it fits together
- How much of the page is an Angular application?
- Model, View, Controller from the AngularJS Perspective



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- Controllers
 - Where Controllers fit in, and what they do, from Angular's perspective
- Managing Scope
- Setting up Behavior
- Building a basic controller
- A more advanced controller
- Models
 - How to create a model
 - Explicit models
 - Implicit models
- Views
 - Angular's take on the View: a little bit different
- Tying a View to a Controller
- Tying a View to a model
- Expressions
 - Expressions are lightweight code snippets
 - Expression capabilities
 - Limitations



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- The border between expressions and eval
- Filters
- Standard filters
- Writing your own filter
- Tying filters together
- Scopes
- What are scopes?
- What do scopes provide?
- Scope lifecycle
- Scopes as glue between controller and view
- Scope hierarchies
- Scope and events
- Angular Forms
- Angular forms vs. HTML forms
- Angular form controls
- Form events
- The form controller
- Form validation



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- CSS classes for form data
- Ajax, Data, and Angular
- High level interactions with servers
- Low-level server interactions with \$http
- The deferred/promises API
- 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
- Testing in Angular
- Unit testing



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- Working with Dependency Injection
- Other unit testing issues
- End-to-end testing
- Angular's E2E testing framework
- Commands and expectations
- Controlling what happens before and after the test
- Running a scenario
- Conclusion

Our learning methods include:

- Comprehensive course selection of Instructor-Led Training
- Logistical convenience and interactive classroom experience of Online Training
- Flexible pacing and instructor-guided support of Mentored Learning
- Self-paced convenience of Online ANYTIME

In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places



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