

PROFESSIONAL TRAINING COURSE



3 Days Course on Introduction to Angular JS



Two Sigma Technologies

19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,
68100 Batu Caves, Selangor
Tel: 03-61880601/Fax: 03-61880602
sales@2-sigma.com
www.2-sigma.com

About the Course

This course teaches participants on how to use AngularJS to facilitate development of single-page web applications that use the Model-View-Controller (MVC) design pattern.

Objectives

- Understand the design of single-page applications and how AngularJS facilitates their development
- Properly separate the model, view, and controller layers of your application and implement them using AngularJS
- Master AngularJS expressions, filters, and scopes
- Build Angular forms
- Elegantly implement Ajax in your AngularJS applications
- Write AngularJS directives
- Unit test and end-to-end test your AngularJS applications

Prerequisites

All attendees must have substantial prior experience developing with JavaScript. If attendees will not have prior JavaScript experience, we would be delighted to precede this class with a one- or two-day intensive JavaScript primer.

Target Audience

This course is designed for web developers, designers who have experience with HTML, CSS, and Javascript.

Course Settings

Venue/Date	Refer to Training Calendar
Timings	0900-1700
Inclusive	Certificates and notes
Course Fee	Contact Us at sales@2-sigma.com
Audience	IT Officer, Web Developer and Programmer
Level	Basic to Intermediate

AngularJS (Basic-to-Intermediate) – Schedule

Day 1	
9.00am – 10.00am	Introduction to AngularJS <ul style="list-style-type: none">• What does AngularJS do for me?• Who controls AngularJS?• How can I get AngularJS?
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	Our first AngularJS application <ul style="list-style-type: none">• A basic application• Using angular-seed• Two-way data binding• Directives• Model, View, Controller from AngularJS perspective
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	Single Page Applications <ul style="list-style-type: none">• Creating Angular Modules

	<ul style="list-style-type: none"> • Using Angular's Routing Service • Routing Basics • Accessing URL Data • Using the \$location Service • Creating a Skeleton Single Page Application
Day 2	
9.00am – 10.00am	Controllers <ul style="list-style-type: none"> • Managing Scope • Setting up Behavior • Building a basic controller • A more advanced controller
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	Models <ul style="list-style-type: none"> • Models • How to create a model • Explicit models • Implicit • models Views <ul style="list-style-type: none"> • Angular's take on the View: a little bit different • Tying a View to a Controller • Tying a View to a model
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	Expressions <ul style="list-style-type: none"> • Expressions are lightweight code snippets • Expression capabilities • Limitations • The border between expressions and \$eval Filters <ul style="list-style-type: none"> • Standard filters • Writing your own filter • Tying filters together Scopes <ul style="list-style-type: none"> • What are scopes? • What do scopes provide? • Scope lifecycle • Scopes as glue between controller and view • Scope hierarchies • Scope and events
Day 3	
9.00am – 10.00am	Angular Forms <ul style="list-style-type: none"> • Angular forms vs HTML forms • Angular form control
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	Form events <ul style="list-style-type: none"> • The form controller • Form validation • CSS classes for form data Ajax, Data, and Angular <ul style="list-style-type: none"> • High level interactions with

	<ul style="list-style-type: none"> • servers • Low-level server interactions with • \$http • The deferred/promises API • Making RESTful Service calls • with \$resource
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	<p>Directives</p> <ul style="list-style-type: none"> • Teaching HTML new tricks • Binding text and attributes • Directive processing lifecycle <ul style="list-style-type: none"> ○ DOM Processing ○ Compilation ○ Linking • A basic directive • Directives and scopes • Creating reusable directives • Turning directives into components <p>Testing in Angular</p> <ul style="list-style-type: none"> • Unit testing <ul style="list-style-type: none"> ○ Working with Dependency Injection ○ Other unit testing issues

More Information

Two Sigma Technologies

19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,
68100 Batu Caves, Selangor
Tel: 03-61880601/Fax: 03-61880602

To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602, we will contact you for further action.