

Enterprise Web Application Development using AngularJS

The purpose of this trail is to facilitate the developer who reading this will get a very good knowledge leads to an Advanced level in Web development using Angular JS.



Browsers

- [How Browser works](#) - 00:10 mins

HTML 5

- [What is HTML 5](#) - 00:05 mins
- [Intro](#) - 1hr 20 mins
- [All about HTML 5](#) - 1 hr

CSS 3

- [Intro](#) - 00:05 mins
- [Features](#) - 00:40 mins
- [All About CSS3](#) - 1 hr.
- Layouts
 1. [Adaptive vs Responsive web design](#) - 00:10 mins
 2. [Media Query](#) - 00:35 mins
- Flexbox
 1. [Learn](#) - 00:30 mins
 2. [Reorder columns and rows](#) - 00:15 mins
 3. [Width, height and layout](#) - 00:15 mins
 4. [Flexbox tricks](#) - 00:45 mins
- Transition
 1. [transtion](#) - 00:40 mins
- Animation
 1. [@keyframes-intro](#) - 00:30 mins
 2. [@keyframes - 1](#) - 00:15 mins
 3. [@keyframes - 2](#) - 00:15 mins
 4. [Animation](#) - 00:30 mins
- Bootstrap 3 (Bootstrap is an open-source Javascript framework developed by the team at Twitter. It is a combination of HTML, CSS, and Javascript code designed to help build user interface components. Bootstrap was also programmed to support both HTML5 and CSS3)
 1. [Intro to Bootstrap and Grid System](#) - 2 hrs.
 2. [Code a Responsive Website](#) -1.30 hrs.

Practice HTML and CSS - 1.5 days

Evaluation HTML and CSS - 0.5 days

Cut off Score 70 %

JAVASCRIPT

- [Intro](#) - 2.00 hrs.
- Basics
 1. [Variable, Condition and Array !](#) - 00:30 mins
 2. [JS Basics - 1](#) - 00:45 mins
 3. [JS Basics - 2](#) - 00:45 mins
- Advanced Concepts
 1. [JS Objects](#)- 00:30 mins
 2. [Prototype property](#) - 00:20 mins
 3. [Strict mode](#)- 00:40 mins
 4. [AJAX](#)- 00:30 mins
 5. [Event loop](#)- 00:15 mins
 6. [Closure](#)- 00:30 mins
 7. [bind\(\), call\(\) and apply\(\)](#)- 00:20 mins
 8. [Event bubbling and Capturing](#) - 00:15 mins

9. [Event - stopPropagation\(\)](#) - 00:15 mins

- Promises
 1. [Reference 1 - Promise](#) - 00:30 mins
 2. [Reference 2 - Promise](#) - 00:40 mins
 3. [Kriskowal Q](#) - 00:40 mins
- [Javascript - the Good parts](#) - 1.30 hrs.
- [Javascript & DOM](#) - 2.00 hrs.
- [JSON](#) - 00:30 mins
- **Single Page Application (SPA)**
 - [SPA](#) - 00:20 mins
 - [Shell, Page, View, SPA](#) - 00:20 mins
 - [SPA, Shell Page, list of frameworks](#) - 00:15 mins
- Compare and Contrast
 - [1. SPA + and -](#) - 00:15 mins
 - [2. SPA + and -](#) - 00:15 mins
- MVC
- **Dependency Injection**
 - [What is DI?](#) - 00:10 mins

Practice JavaScript - 1.5 days**Evaluation JavaScript - 0.5 days****Cut off Score 70 %**

Angular JS

- [What is Angular](#) - 00:15 mins
- [Angular Expressions](#) - 00:30 mins
- [Fundamentals in 60-ish Minutes](#) - 2:00 hrs.
- [Bootstrap aka Initialize angular app in plain html](#) - 00:15 mins
- [Dependency Injection](#) - 00:15 mins
- Forms
 - [Data binding](#) - 00:15 mins
- What is Template , Model and View?
 - *Template* - HTML page that has directives, html tags for UI.
 - *Model* - Provide data to the Template and used to store data when two-way-binding occurs.
 - *View* - Rendered template with actual data applied from Model.
- [Form Validation](#) - 01:30 hrs
- [Angular Global Functions](#) - 01:00 hr
- Scope
 - [\\$rootScope](#) - 00:40 mins
 - [scope in angularjs site](#) - 00:40 mins
- [Understading scopes](#) - 01:00 hr
- Directives
 - [Writing Directives](#) - 02:00 hr
 - [Isolate scope with '&'](#) (Specially for invoking an method in directive - event) - 00:20 mins
 - [Isolate scope with '@'](#) (Specially for passing an variable or with expression) - 00:20 mins
 - [Isolate scope with '='](#) (Specially for passing an object) - 00:20 mins
 - [\\$scope vs scope](#) - 00:20 mins
 - [Directives Explained](#)
 - [Directive to Directive Communication](#) - 00:30 mins
- Routing
 - [ng-route](#) - 00:30 mins
 - [Hashbang mode vs html 5 mode](#) - 00:30 mins
 - [\\$routeProvider](#) - 00:30 mins
 - [UI-Router vs ng-router](#) (Refer [UI-Router](#)) - 00:30 mins
- Events
 - [Angular client side events](#) - 00:15 mins
- [Stop Propagation](#) (Pre-requisite: Javascript- Advanced Concepts-Event - stopPropagation()) - 00:15 mins
- Broadcast/emit
 - [Understanding Angular's \\$scope and \\$rootScope event system \\$emit, \\$broadcast and \\$on](#) - 00:30 mins
 - [Communicating between controllers using \\$broadcast.](#) - 00:30 mins
 - [Show loading indicator using \\$emit](#) - 00:30 mins
- Filters

- [Filter in angular js site](#) - 00:30 mins
- [Built in Filters](#) - 00:15 mins
 - [Build Filters](#) - 00:30 mins
- Controllers
 - [Basic](#) - 00:15 mins
 - [ngController](#) - 00:20 mins
- Service, Value, Factory and Providers
 - [Value, Factory](#) - 00:30 mins
 - [Providers](#) - 00:15 mins
 - [Writing Service vs Factory vs provider](#) - 00:30 mins
- Promises
 - [\\$q](#) - 00:20 mins
 - [\\$q in angular site](#) (Really good) - 00:40 mins
- [angular-ui](#) - 01:00 hr
- Testing
 - [BDD - Behavioural Driven Development](#) - 00:30 mins
 - [e2e](#) - 00:20 mins
 - [ng-newsletter e2e](#) - 00:40 mins
 - [ng-newsletter Karma](#) - 00:40 mins
 - [End to End testing with Protractor](#) - 00:40 mins
- [Best-Practices](#) - 02:00 hrs
- [ng-animate](#) - 01:00 hr
- State Management
 - What is state
 - State maintenance
- Separation of concerns
 - 3rd party libs
- Other Concerns
 - Build (Pre-requisite to know NPM and basic node require(""))
- Grunt
 - [Basics](#) - 00:30 mins
 - [All about Grunt](#) - 00:40 mins
- Gulp
- Packaging
 - [bower](#) - 00:15 mins
 - [Meet bower](#) - 00:40 mins
 - [For more reference , here is the bower site](#) - 00:15 mins
 - [bower.json](#) - [bower config](#) - 00:30 mins
- Minification
 - [What is minification](#) - 00:10 mins
 - [ng-min](#) - 00:15 mins
 - [grunt-ngmin](#) - 00:15 mins
 - [gulp-ngmin](#) - 00:10 mins
- Dependency management
- Layering
 - [yeoman-angularjs](#) - 00:40 mins
 - [angular-seed](#) - 00:40 mins
- Debugging
- Externalization of properties
 - Environment
- Security
- Logging
- Exception/error handling
- Alerts and messaging
- Localization

Practice AngularJS - 1.5 days
Evaluation AngularJS - 0.5 days.

Cut off Score 70 %

END

[HTML Logo.png](#) (36.1 KB)  Vijayakumar Veerappan Kuppasamy, 30 Sep 2016 04:42 PM

