

Angular JS for JEE

Lesson 00: v1.2



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Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
25/08/2014	1.0	AngularJS v1.2.20	Karthik Muthukrishnan	Initial Draft
16/05/2016	1.0	AngularJS v1.2.20	Rahul Vikash	Modified as per Toc for ELTP

Course Goals and Non Goals

- Course Goals

- Learning the fundamentals of AngularJS.

- Course Non Goals

- Comparison with other MV* frameworks like Backbone.JS, Knockout, EmberJS, Meteor, ExtJS
- Writing unit tests and Integrated end to end test for Angular components

Pre-requisites

- HTML, JavaScript & jQuery Basics

Intended Audience

- Web application developers



Day Wise Schedule

■ Day 1

- Introduction to Angular JS
- Angular JS Directives
- Angular JS Filters

■ Day 2

- Angular JS Services
- Angular JS Routing
- Develop Angular UI web with Java middle ware application

Table of Contents

- Lesson 1: Introduction to Angular JS
 - 1.1. Angular JS Introduction
 - 1.2. Angular Expression
 - 1.3. Angular JS - Model, View and Controllers Overview
 - 1.4 Angular JS Controller and Scope
 - 1.5 Angular JS Model
 - 1.6 Angular JS View and Templates
 - 1.7 Angular JS Modules
 - 1.8 \$rootScope
 - 1.9 How Angular uses injector Service
 - 1.10 Config and Run Method
 - 1.11 jqLite
 - 1.12 How AngularJS Works

Table of Contents

- Lesson 2: AngularJS Directives

- 2.1. Directives Introduction
- 2.2. Built-In Directives
- 2.3. Creating Custom Directives
- 2.4. Digest Cycle Overview

- Lesson 3: AngularJS Filters

- 3.1: Introduction to Filters
- 3.2 Built-In filters
- 3.3 Custom filters

Table of Contents

- Lesson 4: AngularJS Services
 - 4.1. Service Introduction
 - 4.2: Built-In Services
 - \$q Service
 - \$http Service
- Lesson 5: AngularJS Routing
 - 5.1: AngularJS Routing
 - \$routeProvider
- Lesson 6: Angular UI web with Java middleware application

References

- <https://docs.angularjs.org/guide>
- <https://docs.angularjs.org/api>
- APress Pro AngularJS by Adam Freeman
- PACKT Publishing Instant AngularJS Starter by Dan Menard
- PACKT Publishing Dependency Injection with AngularJS by Alex Knol
- PACKT Publishing AngularJS Directives by Alex Vanston
- O'REILLY AngularJS by Brad Green & Shyam Seshadri



Next Step Courses (if applicable)

- Creating Web application using MEAN (MongoDB, ExpressJS, AngularJS, NodeJS) Stack



Other Parallel Technology Areas

- BackBone Js
- Ember Js
- Knockout Js