Course: Angular 2.0
Duration: 40 hours with demos and hands-on labs
Focus: Angular 2.0 , Architecture , Templates , Directives , services , Angular 2.0 vs 1.x , TYpescript , Module Loaders and Bundlers ES6
Targeted Audience:
Format: This course combines lecture, discussion and demonstrations with hands-on labs.

Language / Tools: Javascript, Sublime, Node,Git

React js course has been designed for Client- Side Developer, Web Developer, Web Designers.

● Course Objectives: What You'll Learn

Whether you are new to Angular or new to Angular 2, if you want to create great web apps and stay up to date on the latest app development technologies, you're going to want to come up to speed quickly with Angular 2's components, templates, and services. This course provides the basics you need to get started building an Angular 2 application. First, you'll learn how to set up your environment, learning about components, templates, and data binding and how they work together. Next, you'll discover how to build clean components with strongly-typed code, as well as building nested components and how to use dependency injection to inject the services you build. Finally, you'll cover how to retrieve data using HTTP, navigation and routing, and you'll revisit the Angular 2 setup process. By the end of this course, you'll be up to date on all the latest Angular 2 knowledge and you'll be able to use Angular 2 to create great apps in the future.

Course Structure: This program is an experiential program to develop knowledge and skills through practical examples

● Audience & Prerequisites: Who Should Attend

Participants of this program should have good understanding of HTML & Javascript.

Workshop Topics Covered

Topics Covered

Legend: [P] – Presentation, [D] – Demo, [L] – Lab

Main 1
Getting Started with Angular 2.0

1. Course Overview
2. Introduction
3. Introduction
4. Anatomy of an Angular 2 Application
5. Get the Most from This Course
6. Sample Application
7. Course Outline
8. First Things First

1. Introduction 58s
2. Selecting a Language
3. Selecting an Editor
4. Setting up Our Environment
5. Setting up an Angular 2 Application
6. Running an Angular 2 Application
7. About Modules @ngModule
8. Loading Modules and Hosting our Application
9. Summary

Section 2

1. Introduction to Components
2. Introduction
3. What Is a Component?
4. Creating the Component Class
5. Defining the Metadata with a Decorator
6. Importing What We Need
7. Demo: Creating the App Component
8. Bootstrapping the App Component
9. Demo: Bootstrapping the App Component
10. Checklists and Summary
11. Templates, Interpolation, and Directives

Section 3

1. Building a Template
2. Building the Component
3. Using a Component as a Directive
4. Binding with Interpolation 4m 12s
5. Adding Logic with Directives: ngIf 4m 23s
6. Adding Logic with Directives: ngFor 4m 54s
7. Checklists and Summary 3m 14s

8. Data Binding & Pipes

Section 4

1. Introduction 1m 49s
2. Property Binding 3m 46s
3. Handling Events with Event Binding 4m 34s
4. Handling Input with Two-way Binding 2m 36s
5. Transforming Data with Pipes 4m 3s
6. Checklists and Summary 2m 27s
7. More on Components

Section 5

1. Introduction 2m 32s
2. Defining Interfaces 6m 22s
3. Encapsulating Component Styles 3m 31s
4. Using Lifecycle Hooks 4m 20s
5. Building Custom Pipes 7m 20s
6. Checklists and Summary 3m 23s
7. Building Nested Components

Section 6

1. Introduction 2m 10s
2. Building a Nested Component 5m 19s
3. Using a Nested Component 2m 58s
4. Passing Data to a Nested Component Using @Input3m 10s
5. Passing Data from a Component Using @Output7m 5s
6. Checklists and Summary 2m 38s
7. Services and Dependency Injection

Section 7

1. Introduction 1m 49s
2. How Does It Work?2m 32s
3. Building a Service 3m 18s
4. Registering the Service 2m 41s
5. Injecting the Service 4m 58s
6. Checklists and Summary 2m 20s
7. Retrieving Data Using Http

Section 8

1. Introduction 1m 25s
2. Observables and Reactive Extensions 2m 54s
3. Setting Up2m 24s
4. Sending an Http Request 6m 53s
5. Subscribing to an Observable 2m 46s
6. Checklists and Summary 2m 25s
7. Navigation and Routing

Section 9

1. Introduction 2m 44s
2. Setting Up 3m 32s
3. Configuring Routes 3m 56s
4. Tying Routes to Actions 5m 25s
5. Placing the Views 2m 19s
6. Passing Parameters to a Route 6m 17s
7. Activating a Route with Code 3m 6s
8. Checklists and Summary 5m 16s
9. Angular 2 Setup Revisited

Section 10

1. Introduction 59s
2. TypeScript Configuration File (tsconfig.json)3m 10s
3. npm Package File (package.json) and TypeScript Definitions File (typings.json)4m 26s
4. index.html File Libraries 1m 1s
5. Summary 43s
6. Final Words
7. Introduction 34s
8. Recapping Our Journey 1m 51s
9. Learning More 48s
10. What Is Angular? (Revisited)1m 6s
11. Closing