Angular Certification Training
Course Agenda

Lesson 1: What is a SPA? What is Angular?

- Single Page Apps vs Conventional Web Applications

- Where Angular Fits

- Angular-4 is arrived (what's new)

Lesson 2: Preparing for TypeScript

- Brief Intro to TypeScript

- The TypeScript Module System

- Getting Setup

- Project Setup

- Nodemon

- String Templates

- Const

- Let

- Debugging

- Rest & Spread Operators

- Arrow Functions

- For...of

- Maps

- Sets

- Interface

- Generics

- New Object Features

- Classes

- Destructuring

- TypeScript decorators

Lesson 3: Building with A2 Components

- A Trivial Component

- Nested Components

- Deeper Nesting

Lesson 4: Bootstrap Scaffolding

- What Is Bootstrap?

- Bootstrap File Structure

- Basic HTML Template

- Global Styles

- Default Grid System

- Fluid Grid System

- Bootstrap CSS

- Typography

- Code

- Tables

- Forms

- Buttons

- Images

- Icons

Lesson 5: Angular 2 Binding and Events

- Templates

- Bindings

- Event Bindings

- Two-way Binding

- Class and Style Bindings

- Built-in Directives

- Component Data Binding

- Component Events

- Ng-model

- Introduction to webpack/systemJS

Lesson 6: Dependency Injection and services

- Why Dependency Injection?

- Injection API

- Component Multi Providers

- Injection Multi Providers

- Services Overview

- Creating a Service

- Injecting a Service

Lesson 7: Directives
- Introduction and Examples
- Directives Overview
- Attribute Directives
- Custom Attribute Directive
- Structural Directives
- Structural Directive: ngIf
- Structural Directive: ngFor
- Structural Directive: ngSwitch
- Custom Structural Directive

Lesson 8: Pipes

- Using Pipes

- Creating Pipes

- Built-in Pipes

- Chaining Pipes

- Custom Pipes

- Stateful Pipes

Lesson 9: Forms

- Controls

- Control groups

- FormBuilder

- Template Driven Approach

- Data Driven Approach

Lesson 10: Routing

- Introduction and Use

- Creating and configuring Routes

- Imperative Routing

- Routing Parameters

- Child Routes

- Routing Lifecycle Hooks

- Setting up Firebase

- HTTP POST Request

- HTTP GET Request

Lesson 11: HTTP, Promises, and Observables

- Promises - still available, still useful

- Calling an API via HTTP

- Introduction to Observables

- Observable Bindings

- Observables Operators

Lesson 12: Testing
- Unit Testing
- End to End Testing

Lesson 13: Angular-4 new features (Add-on)
- If...Else Template Conditions
- Animation Module
- TypeScript's StrictNullChecks
- Angular Universal
- FESM
- Angular2 to Angular4 migrartion
- Router ParamMap
- TypeScript 2.1/2.2

For information on the course, visit: https://www.simplilearn.com/angular-certification-training

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