Angular 8.0 Course Curriculum

Day1:

JavaScript basics review

Functional Programming using JavaScript

Closures, Currying, Prototypal Inheritance

ECMAScript 6,7 and 8 features

Let, const, Arrow functions, String Interpolation, modules, Classes

TypeScript

Type Safety,

Classes,

Interfaces

Exporting and Importing Classes,

Interfaces,

Constants,

Generics

Day2:

Angular Architecture

AngularJS 1.x vs Angular 2,4,6,7

Environmental setup – Installing NodeJs, project setup

Project structure overview

Components Deep dive

Creating components

Integrating BootStrap with Angular

Nesting components

Passing Data from Parent Component to Child Components

@Input and @Output

Handling Events

Property binding, class binding, style binding, Two way data binding

Updating app.module file

Angular built in directives

ngFor, ngIf, ngSwitch, ngTemplate

Day3:

Component LifeCycle hooks

Dependency Injection

Creating Custom Directives

Pipes

Creating custom Pipes

Template driven Forms

Reactive Forms

Form Validation

Handling Validation Errors

Routing

Router outlet, RouterLink, ActivatedRoute

Route Guards

Configuring child Routes

Day 4:

Introduction to Services

Promise, Observables

Subject,

BehaviourSubject

HttpClient Module

Integrating with REST API

Working with Observables

RxJs operators (map, filter)

Securing applications using JWT token

Token based authorization

Handling errors

Day 5:

Deployment

Running with different Profiles

Introduction to Jasmine and Karma

Mocking Routers, Services

Configuring TestBed

Protractor

Integration testing using Protractor