**Angular Developer Training**

**Description**

This course will let you learn AngularJS1.x and latest versions of Angular7, a massively popular framework for building applications for desktop and mobile. This will help you get up and running with Angular and start developing web and mobile applications. This will cover all AngularJS1.x and Angular 7 Features, basics of ES6(latest version of JavaScript) and Typescript.

**Course Outline**

The Angular Developer Training will let you learn latest Angular version for building complex industry standard web applications for desktop and mobile.

The course will help you to Learn and understand below topics:

* Help you get up and running with AngularJs1.x and Angular7 quickly.
* Anatomy and Architecture of AngularJS1.x and Angular7
* Differences between Angular 1, and 7.
* Understand basics of TypeScript and ES6(latest version of JS)
* Components and Templates of AngularJS and Angular
* Various types of Data bindings, pipes and interfaces in AngularJS and Angular
* AngularJS1.x and Angular7 in-built directives and usages.
* Build custom directives and pipes
* Services and Dependency Injection of AngularJS and Angular
* REST backend API integration with Frontend
* Routing in AngularJS1.x and Angular7
* AngularJS and Angular Forms
* AngularJS and Angular project set up and Angular CLI
* Understand Migration from Angular 1 to latest Angular7

**Who should go for AngularJS and Angular7 Developer Training**

* Anyone who wants to learn the most used and popular JavaScript framework.
* This course will provide you expertise on front end development and technologies.
* Professionals or Students who wants to start developing web applications.

**What are the Prerequisites for the course:**

* Prior web development knowledge is not required.
* Good to have basics of HTML, CSS and JavaScript, but not must.
* Knowledge of AngularJS and Angular is not required.

**How will I do practical in Online Training?**

For Practical Implementation, we will ensure required Environment is set up is made on your computer on your local machine. Only thing is you need have a computer with required configuration.

**Making Job-Ready and Case Study:**

This course is not only make you understand the concepts, but also will make you **Job Ready**. Apart from the Regular Exercises, there will be a Major Case Study which is similar to a Realtime task that you will start working at end of program and Implement Completely under the supervision of trainers. This will make you full pledged Angular 5/6 Developer. The one of the case Study that you are going to Implement is as below.

**Case Study**

*AngularJS1.x Projects:*

1. **AngularJS Form Validation:**

We will build a simple form with AngularJS1.x and let students understand AngularJS form validation logic. We will connect with some mocked backend APIs for the library books data.

1. **Web Store App:**

We will build an eBay like Web Store App with AngularJS1.x and we can select, delete and checkout like real shopping web app. We will connect with some mocked backend APIs for the library books data.

1. **Facebook like social App:**

We will build a Facebook like social App with AngularJS1.x and we can find some friends, add and delete and chat with friends like real Facebook. We will connect with some mocked backend APIs for the library books data.

1. **Job Directory App:**

We will build Job Directory App with AngularJS1.x and we can search, add and post jobs on this web app. We will connect with some mocked backend APIs for the library books data.

1. **Instagram like gallery App:**

We will build an Instagram like picture sharing web app with AngularJS1.x and we can share, edit and post picture like real Instagram. We will connect with some mocked backend APIs for the library books data.

1. **Car Find App:**

We will build a KBB like car find web app with AngularJS1.x and we can search, find and check details like real KBB website. We will connect with some mocked backend APIs for the library books data.

*Angular7 Projects:*

1. **Shopping List Project:**

We will build a shopping list web app with Angular7 and Bootstrap which will have major library related functionalities starting from Login, manage recipe and recipe details etc. We will connect with some mocked backend APIs for the library books data.

**Course Outline:**

**(AngularJS1.x Part)**

**Lecture 1: AngularJS Introduction:**

*Areas Covered*

* + AngularJS: The Big Picture
  + Views, Directives and Filters
  + Controllers, Scope and Modules

**Duration: 1 Session, 2.0 Hours**

**Lecture 2: Controllers, Scope and Modules**

*Areas Covered*

* + Routing
  + Factories and Services

**Duration: 1 Session, 2.0 Hours**

**Lecture 3: Factories and Services**

*Areas Covered*

* + UI and Animation
  + Project 1. AngularJS form Validation
  + Project 2. List Application

**Duration: 1 Session, 2.0 Hours**

**Lecture 4: Deep Dive Directives**

*Areas Covered*

* + Directive Deep Dive
  + Shared and Isolate Scope

**Duration: 1 Session, 2.0 Hours**

**Lecture 5: Controller in Directives**

*Areas Covered*

* + The link() Function
  + Using Controllers in Directives

**Duration: 1 Session, 2.0 Hours**

**Lecture 6: AngularJS Projects 1**

*Areas Covered*

* + Deep Dive into Scope
  + Communicate between Controllers using Service
  + Custom Filters
  + Project 3. Project Refactor
  + Project 4. Web Store

**Duration: 1 Session, 2.0 Hours**

**(Angular7 Part)**

**Lecture 7: AngularJS VS Angular**

*Areas Covered*

* + Architecture
  + Components, Templates, Modules and Metadata
  + Data Binding, Directives and Pipes
  + Services, Dependency Injection and Lifecycle Hooks
  + Routing and HTTP
  + Routing
  + Modules

**Duration: 1 Session, 2.0 Hours**

**Lecture 8: Angular CLI**

*Areas Covered*

* + Angular CLI

**Duration: 1 Session, 2.0 Hours**

**Lecture 9: TypeScript Fundamentals**

*Areas Covered*

* + Typing, Variables, and Functions
  + Classes and Interfaces
  + Modules

**Duration: 1 Session, 2.0 Hours**

**Lecture 12: Angular7 Basics**

*Areas Covered*

* + Components, Data Binding, Directives
  + Custom Components
  + Property Binding, String Interpolation, Event Binding
  + Two-way Databinding
  + Understanding Directives
  + A Restaurant App

**Duration: 1 Session, 2.0 Hours**

**Lecture 13: Components and Data Binding Deep Dive**

*Areas Covered*

* + Components, Data Binding Deep Dive
  + Binding to Custom Properties, Custom Events
  + View Encapsulation
  + Component Lifecycle
  + Enhance Restaurant App

**Duration: 1 Session, 2.0 Hours**

**Lecture 14: Directive Deep Dive**

*Areas Covered*

* + Directive Deep Dive
  + Renderer to build Attribute Directive
  + HostBinding to bind Host Properties
  + HostListener to listen to Host Events
  + Binding to Directive Properties
  + Building a Structural Directive
  + Directive Project

**Duration: 1 Session, 2.0 Hours**

**Lecture 15: Services and Dependency Injection**

*Areas Covered*

* + Services Deep Dive
  + Create a Logging Service and Inject into Components
  + Create a Data Service
  + Hierarchical Injector
  + Inject Services into Services
  + Shopping List App using Services and DI

**Duration: 1 Session, 2.0 Hours**

**Lecture 16: Routing**

*Areas Covered*

* + Routing Deep Dive
  + Navigating with Router Links
  + Understand Navigation Paths
  + Using Relative Paths
  + Pass parameters to Routes
  + Fetching Route parameters Reactively
  + Passing and Retrieving Query parameters and Fragments
  + Nested Routes
  + Intro to Guards
  + Using a Fake Auth Service
  + Understand Location Strategies
  + Routing App

**Duration: 1 Session, 2.0 Hours**

**Lecture 17: Observables**

*Areas Covered*

* + Observables Deep Dive
  + Building a Custom Observable
  + Understand Operators
  + Observables App

**Duration: 1 Session, 2.0 Hours**

**Lecture 18: Forms**

*Areas Covered*

* + Form Deep Dive
  + Template-Dirven VS Reactive Approach
  + Understand Form State
  + Intro to Reactive Approach
  + Shopping List App with Form Validation

**Duration: 1 Session, 2.0 Hours**

**Lecture 16: Pipes**

*Areas Covered*

* + Pipes Deep Dive
  + Parametrizing Pipes
  + Chaining Multiple Pipes
  + Creating a Custom Pipe
  + Understand async Pipe

**Duration: 1 Session, 2.0 Hours**

**Lecture 17: Angular CLI**

*Areas Covered*

* + HTTP Deep Dive
  + Anatomy of a Http Request
  + Using a Service for Http Requests
  + Observing Different Types of Responses
  + Intro to Interceptors
  + Multiple Interceptors
  + HTTP App

**Duration: 1 Session, 2.0 Hours**

**Lecture 18: Angular Fundamentals**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 19: Displaying Data and Handling Events**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 20: Building Re-usable Components**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 21: Directives**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 22: Template-driven Forms**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 23: Routing and Navigation**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 24: Deployment**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 25: Building Real-time Server-less Apps with Firebase**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

**Lecture 26: Project: Getting Started and Authentication**

*Areas Covered*

* + Create a New Project
  + Extract Navbar Component
  + Define the Routes
  + Add a Drop-down Menu
  + Implement Google Login and Logout
  + Use Async Pipe
  + Extract a Service
  + Protect the Routes
  + Store Users in Firebase
  + Define Admins
  + Protect the Admin Routes

**Duration: 1 Session, 2.0 Hours**

**Lecture 27: Project: Product Management Module**

*Areas Covered*

* + Build Bootstrap Form
  + Populate Categories Drop-down List
  + Save Product in Firebase
  + Implement Validation
  + Add Bootstrap Card
  + Display List of Products
  + Edit, Update and Delete a Product
  + Search for Products
  + Add, Configure, Feed and Filter a Data Table Component

**Duration: 1 Session, 2.0 Hours**

**Lecture 28: Project: Product Catalog Module**

*Areas Covered*

* + Display All Products
  + Display Categories
  + Filter Products by Category
  + Deal with Multiple Async Operations
  + Improve Product Card
  + Make Categories Sticky

**Duration: 1 Session, 2.0 Hours**

**Lecture 29: Project: Shopping Cart Module**

*Areas Covered*

* + Create Shopping Cart
  + Add Products to Shopping Cart
  + Display Quantity
  + Display Number of Shopping Cart Items in Navbar
  + Build Shopping Cart Page
  + Display Total Price
  + Flatten Shopping Cart Item Objects
  + Clear Shopping Cart
  + Add Thumbnails

**Duration: 1 Session, 2.0 Hours**

**Lecture 30: Project: Check Out Module**

*Areas Covered*

* + Building Shipping Forms
  + Saving Orders in Firebase
  + Associate Orders with Current User
  + Clear Shopping Cart
  + Transactions
  + Add Order Summary Widget
  + Display Orders

**Duration: 1 Session, 2.0 Hours**

Course GitHub link: <https://github.com/specter01wj/Jago_Link_Training>