

# Angular 6

## 1. Getting Started with Angular 6

- What is Angular?
- Architecture of Angular 6 Apps
- Difference between AngularJS and Angular
- Your First Angular 6 App

## 2. First Things First

- First Things First Introduction
- Selecting a Language
- Selecting an Editor Templates
- Setting up Our Environment Dependency Injection
- Setting up an Angular 6 Application
- Running an Angular 6 Application
- About Modules
- Loading ES Modules and Hosting Our Application

## 3. Introduction to Components

- Introduction to Components Property Binding
- What Is a Component
- Creating the Component Class
- Defining the Metadata with a Decorator
- Importing What We Need
- Demo - Creating the App Component
- Bootstrapping Our App Component

## 4. Templates, Interpolation, and Directives

- Introduction to Templates, Interpolation, and Directives
- Building a Template
- Building the Component
- Using a Component as a Directive
- Binding with Interpolation
- Adding Logic with Directives – ngIf and ngElse
- Adding Logic with Directives – ngFor

## 5. Data Binding & Pipes

- Introduction to Data Binding & Pipes
- Property Binding
- Handling Events with Event Binding
- Handling Input with Two-way Binding
- Transforming Data with Pipes

- Pure and Impure Pipes

## **6. More on Components**

- Introduction to More on Components
- Defining Interfaces
- Encapsulating Component Styles
- Using Lifecycle Hooks
- Building Custom Pipes
- Relative Paths with Module Id

## **7. Building Nested Components**

- Introduction to Building Nested Components
- Building a Nested Component
- Using a Nested Component
- Passing Data to a Nested Component Using @Input
- Passing Data from a Component Using @Output

## **8. Forms**

- Template driven Forms
- Template Driven Forms Validation
- Submitting Forms
- Model Driven Forms
- Model Driven Forms Validation
- Model Driven Forms with Forms builder

## **9. Services and Dependency Injection**

- Introduction to Services and Dependency Injection
- How Does It Work
- Building a Service
- Registering the Service
- Injecting the Service

## **10. Retrieving Data Using HTTP**

- Introduction to Retrieving Data Using HTTP
- Observables and Reactive Extensions
- Sending an HTTP Request
- Exception Handling
- Subscribing to an Observable

## **11. Navigation and Routing Basics**

- Introduction to Navigation and Routing Basics
- How Routing Works

- Configuring Routes
- Tying Routes to Actions
- Placing the Views

## **12. Navigation and Routing Additional Techniques**

- Introduction to Navigation and Routing Additional Techniques
- Passing Parameters to a Route
- Activating a Route with Code
- Protecting Routes with Guards

## **13. Angular Modules**

- Introduction to Angular Modules
- What Is an Angular Module
- Bootstrap Array
- Declarations Array
- Exports Array
- Imports Array
- Providers Array
- Feature Modules
- Shared Module
- Revisiting AppModule