

Angular

1. Introduction to Angular

- Introduction to Angular
- What is Angular?
- Architecture of Angular Apps
- Setting up Development Environment
- Your first Angular App
- Structure of Angular Apps
- Web Pack

2. Angular Fundamentals

- Introduction
- Building Blocks of Angular Apps
- Components
- Generating Components using Angular CLI
- Templates
- Directives
- Services
- Dependency Injection
- Generating Services using Angular CLI

3. Display Data and Handling Events

- Introduction
- Property Binding
- Attribute Binding
- Adding Bootstrap
- Class Binding
- Style Binding
- Event Binding
- Template Variables
- Two Way Bindings
- Pipes
- Custom Pipes

4. Building Re usable Components

- Introduction
- Component API
- Input Properties
- Aliasing Input Properties
- Output Properties
- Passing event data
- Aliasing Output Properties
- Templates
- Styles
- View Encapsulation
- ngContent
- ngContainer

5. Directives

- Introduction
- ngIf
- Hidden Property
- ngSwitch Case
- ngFor
- ngFor and Change Detection
- ngFor and Track By
- The Leading Asterisk
- ngClass
- ngStyle
- Safe Traversal Operator
- Creating Custom Directives

6. Template Driven forms

- Introduction
- Building a Bootstrap Form

- Types of Forms
- ngModel
- Adding Validation
- Specific Validation Errors
- Style Invalid Input
- Cleaner Templates
- ngForm
- ng Model Group
- Control Classes and Directives
- Disabling the submit button
- Working with Check boxes
- Working with Drop down lists
- Working with Radio Buttons

7. Consuming HTTP Services

- Introduction
- JSON Placeholder
- Getting Data
- Creating Data
- Updating Data
- onInit Interface
- Separation of Concerns
- Extracting a service
- Handling Errors
- Handling unexpected errors
- Handling Expected Errors
- Throwing Application Specific Errors
- Handling Bad Request errors
- Import Observable Operators and Factory Methods
- Global Error Handling
- Extracting Reusable Error Handling Method
- Extracting Reusable, a Data Service
- The Map Operator
- Optimistic vs Pessimistic updates

8. Routing and Navigation

- Introduction
- Routing in a Nutshell
- Configure routes
- Router Outlet
- Router Link
- Router Link Active
- Getting Route Parameters
- Why Routes parameters are observable
- Routes with Multiple Parameters
- Query Parameters
- Subscribing to Multiple Observable
- The Switch Map Operator
- Programmatic Navigation
- Displaying Toast notification.

9. Wrap Up