

Angular 12

- **Writing Your First Angular Web Application**
 - Introduction to Single Page Application
 - What do we need Angular for?
 - Setting up the Development Environment
 - Angular Application Architecture
 - First Angular App
 - Bootstrapping crash course
- **TypeScript**
 - Angular is built in TypeScript
 - What do we get with TypeScript?
 - Built-in types
 - Classes
 - Properties
 - Methods
 - Constructors
 - Inheritance
 - Utilities
 - Fat Arrow Functions
 - Template String
- **Angular Components**
 - Angular Components and the @Component Decorator
 - Creating an Angular Component using the Angular CLI
 - Component Decorator Metadata
 - Data Binding - String Interpolation - {{ }}
 - Property Binding - []
 - Event Binding - ()
 - @Input and @Output Property Decorators
 - Two-way Data Binding - [()]
 - Attribute Binding - [attr.]
 - Class Binding - [class.]
 - Style Bindings - [style.]

- **Angular Directive and Pipes**
 - Introduction to Directives
 - Built in Structural Directives
 - Built in Attribute Directives
 - Building custom Attribute Directives
 - Building Custom Structural Directives
 - Introduction to Pipes in Angular
 - Using Built In Pipes
 - Creating Custom Pipes in Angular
 - Pure and Impure Pipes in Angular

- **Angular Forms**
 - Types of Form in Angular
 - Reactive form in Angular
 - Dynamically Adding or Removing Form Control(s) or Form Group(s) using Form Array(s)
 - Validations to your Reactive Form
 - Validations to your Reactive Form
 - Resetting the value of a form

- **Angular Routing with Guards**
 - Why Do We Need Routing?
 - How client-side routing works
 - Components of Angular routing
 - Imports
 - Routes
 - Installing our Routes
 - RouterOutlet using <router-outlet>
 - RouterLink using [routerLink]
 - Putting all together
 - Implementing Child Routes
 - Introduction to Route Guards in Angular
 - CanActivate and CanActivateChild Guards in Angular
 - CanDeactivate Guard in Angular
 - Prefetching Data for a Component using Resolve

- **HTTP, Observables**
 - Dependency Injection
 - Hierarchical Dependency Injection
 - Introduction to Services in Angular
 - GET data from a Rest API using HttpClient
 - CRUD Operations using HttpClient, HttpParams and HttpHeaders
 - Observables and Operators in Observables - Map, Retry, Catch
 - Custom HTTP Headers
- **Data Architecture in Angular**
- **Introduction to Redux with TypeScript**
 - Redux
 - Storing our state
 - Setting up Redux
- **Intermediate Redux in Angular**
- **Advance Component**
 - Styling
 - Lifecycle Hooks
 - Advance Templates
 - Change Detection
- **Testing**
 - End to end testing
 - Unit testing
 - Testing Services and component