

Mastering Angular

2 days

DAY 1:

- Introduction to TypeScript
- Introduction to Single Page Application
- Setting up Development Environment
- Angular Initial Application
- Angular Directory Structure
- Angular Building Blocks
- Working with Modules
- **Working with Component**
 - Angular Components and the @Component Decorator
 - Creating an Angular Component using the Angular CLI
 - Component Decorator Metadata
- **MVC, MVVM architecture**
- **Data Binding**
 - Interpolation
 - Property Binding
 - Event Binding
 - Two-way Data Binding [(ngModel)]
- **Structural Directive**
 - *ngIf
 - *ngSwitch
 - *ngFor
 - *ngFor with trackBy
- **Angular Component Communication**
 - @Input ()
 - @Output ()
- **Working with Angular Material**
 - Navigation Bar
 - Cards

DAY 2

- Dependency Injection
- Working with Services
- **APIs**
 - Working with JSON Data
 - GET data from a Rest API using HttpClient
- **HTTP Methods**
 - CRUD Operations using HttpClient, HttpHeaders
 - Adding HTTP Error Handling with RxJS catchError () & HttpClient

- **Angular Forms**
 - Template Driven Form
 - Validating Template Driven Form
 - Reactive Form
 - Validating Reactive Form
 - Accessing Form Value
 - Resetting Form Value
- **Introduction to Routing (Single Page Application)**
 - Implementing Routing in an Angular App
 - Implementing Child Routes
 - Introduction to Route Guards in Angular
 - CanActivate and CanDeactivate Guards in Angular
- **Angular Best Practice**
 - Feature Module and Shared Module in Angular
 - Lazy Loading Modules