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# ANGULAR TRAINING COURSE CONTENT

## Introduction

- Course Objectives

## Javascript ES 5 and ES 6

- Basic Javascript
- Object Based Javascript
- Let and Const
- Template Strings
- Class and Inheritance
- Lambda/Arrow Functions
- Modules

## Introduction to TypeScript

- Why Use TypeScript
- Basic Types
- Classes and Interfaces
- Type Definitions
- Compiling TypeScript

## GitHub

- Real-time environmental setup with GitHub

## Environment Setup

- Node / NPM
- Angular CLI
- Application File Structure
- Code Editors

## **Introduction to Angular**

- What is Angular?
- Advantages Of Angular
- Disadvantages Of Angular
- Key Features of Angular
- Comparison Between Angular with Other Frameworks.

## **Modules**

- Why use Modules
- NgModule
- Declarations
- Providers
- Imports
- Bootstrapping
- The Core Module
- Shared Modules

## **Components**

- Introduction to Components
- Component Architecture Patterns
- Decorator Metadata
- State & Behaviour

## **Templates**

- Inline vs External
- Template Expressions
- Data Bindings
- \*ngIf else, \*ngFor and \*ngSwitch
- Built-in Structural Directives
- Built-in Attribute Directives

## **Custom Directives**

- Create your own Structural Directive
- Create your own Attribute Directive

## **Pipes**

- Built-in Pipes
- Custom Pipes

## **Services**

- Introduction to Services
- Building a Service

## **Dependency Injection**

- Introduction to Dependency Injection
- Injectors & Providers
- Registering Providers

## **Lifecycle Hooks**

- Component LifeCycle
- All lifecycle Hooks

## **Routing**

- The Component Router
- Defining Routes
- Navigation
- Route Params
- Child Routes

## **Advanced Routing**

- Route Guard

## **Template-driven Forms**

- Introduction to forms
- Template-driven forms
- Validation

## **Model-driven Forms**

- Introduction to Reactive forms
- FormGroup & FormControl
- Validators
- Custom Validation

## **Asynchronous Operations**

- Introduction to Async
- Observables
- Observables vs Promise
- HTTP Request / Response

## **Communication Between Component**

- @Input()
- @Output()
- @ViewChild()
- @ViewChildren()
- Shared Service

## **Server-side Rendering**

- Introduction to Server-side Rendering
- Angular Universal

## **Angular Testing**

- Introduction to Testing
- Unit Testing

**Lazy Loading**

**Angular Material**

**PrimeNG Implementation**

**Third –Party NPM Package**

- Social Login Authentication
- Cookies , Local Storage, Session Storage
- Angular File Upload
- Angular Pagination
- JWT Token

**Implementing the Mini Project**

**Deployment of Angular Application**

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