

ANGULAR4



Course Curriculum and Duration:

About INNOVATIVE ACADEMY

INNOVATIVE ACADEMY is a best training institute in Bangalore. We providing classroom led training live instructor-led interactive online training and cooperate training. We cater to professionals and students across the globe in categories like AWS, Angular JS, JAVA, DOT NET, MCSA, CCNA, A+, N+, Databases, VMware, Mobile Technologies, Project Management and Programming.

About Course

INNOVATIVE ACADEMY's Best AngularJS Training in Bangalore is designed so Innovative to help clear understanding on Angular4. You will gain excellent knowledge on AngulaJS basics concepts, controllers and scopes, data binding, directives, filters, components and modules and Dependency injection.

Course Curriculum and Duration:

We provide both Class-room Training and Offline Training.

Duration: 60Hrs.

Week days (Mon- Fri 2Hrs per day)

Weekend batches (Sat-Sun 4Hrs per day)



Angular4 COURSE

INNOVATIVE ACADEMY's Best Angular4 Training in Bangalore is designed so Innovative to help clear understanding on Angular4. You will gain excellent knowledge on Angular4 basics concepts, Typescript, data binding, directives, Dependency injection, pipes and angular component router.

Best Angular4 Training in Bangalore.

Why Angular4 Training?

- Angular is a JavaScript framework which is used to create scalable, enterprise, and perform client side web applications.
- One of the best features of Angular framework is that it is quite flexible when it comes to usage of external libraries apart from the scalability it provides. With Angular framework adoption being high, performance management of the application is community driven indirectly driving better job opportunities.

About our Training:

Angular4 Training from us is designed to provide expertise about Angular4. The classes are conducted by the Industrial experts for both classroom and online training sessions.

Why choose Innovative Academy for your Angular4 training?

- Experienced technical trainers
- Real Time and Hands on Experience Training
- On Time Course Completion & Superb satisfaction scores
- Comprehensive curriculum, Innovative & interactive Training
- High Pass Rate

Who can take this Training?

This Angular4 Training is constructed for IT pro's who want to learn modern client-side design and development techniques and wish to apply it on large web applications such as Cloud ERP, CRM, among others.

This training is suitable for:

- UI Developers and Technical Leads
- Developers upgrading from AngularJS 1.x or above
- Freshers and aspiring UI (JavaScript) developers
- Full Stack Developers

- QAs, Architects, and Technical Project Managers

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CHAPTER 1: INTRODUCTION TO ANGULAR 4

- What is Angular 4?
- Features of the Angular Framework
- Why Angular?
- Scope and Goal of Angular
- Angular 4 vs Angular 2 vs. AngularJS
- Angular 4 Environment Setup
- Building Blocks of Angular 4 Application
- Basic Angular 4 Application

CHAPTER 2: INTRODUCTION TO TYPESCRIPT

- TypeScript Syntax
- The Type System – Defining Variables
- The Type System – Defining Arrays
- The Type System – Classes & Objects
- Class Constructors
- Class Constructors – Alternate Form
- Interfaces
- Parameter and Return Value Types
- Working with Modules
- Transpiling Typescript
- Lambda Functions
- Template Strings-Variables and Expressions, Multiline
- Generics – Class, Methods and Restricting Types

CHAPTER 3: COMPONENTS IN ANGULAR 4

- What is a Component?
- An Example Component
- Component Starter
- Developing a Simple Component
- Component: Add HTML
- The HTML Component Template
- TemplateURL

- STYLEURLS
- Decorator Properties
- Lifecycle Hooks

CHAPTER 4: DATA AND EVENT BINDING

- Binding Syntax
- One-Way Output Binding
- Binding Displayed Output Values
- Two-Way Binding of Input Fields
- Input Binding Examples
- Binding Events with Examples
- Setting Element Properties
- Setting Properties: Examples

CHAPTER 5: ATTRIBUTE DIRECTIVES AND PROPERTY BINDINGS

- What are Directives
- Directive Types
- Apply Styles by Changing Classes
- Changing Classes – Example
- Applying Styles Directly
- Obsolete Directives and Property Binding
- Controlling Element Visibility
- Setting Image Source Dynamically

CHAPTER 6: STRUCTURAL DIRECTIVES

- What are Structural Directives
- Adding and Removing Elements Dynamically
- Looping Using ngFor
- ngFor – Basic Syntax
- ngFor – Full Template Syntax
- Creating Tables with ngFor
- ngFor Local Variables
- ngFor Changes in the backing data source
- Swapping Elements with ngSwitch
- ngSwitch – Basic Syntax
- ngSwitch – Full Template Syntax

CHAPTER 7: TEMPLATE DRIVEN FORMS

- what are Template Driven Forms
- A Basic Angular Form
- Binding Input Fields

- Accessing the Form Object
- Binding the Form Submit Event
- The Submit Function
- Basic HTML5 Validation – “required” Attribute
- HTML5 vs. Angular Validation
- Displaying Form Validation State
- Displaying Field Validation State
- Displaying Validation State Using Classes
- Submitting the Form
- Binding to Object Variables
- Additional Input Types
- Checkboxes
- Select(drop down) Fields
- Rendering Options for Select (drop down)
- Date fields
- Radio Buttons

CHAPTER 8: SERVICE AND DEPENDENCY INJECTION

- What is a Service?
- Creating a Basic Service
- What is Dependency Injection?
- Injecting Services
- Using a Service in a Component: Dedicated Instance
- Using onInit to Initialize Component Data
- Using a Shared Service Instance
- Dependency Injection

CHAPTER 9: HTTP CLIENT

- The Angular HTTP Client
- Using The HTTP Client – Overview
- Setting up the Root Component
- Service Using Http Client
- Importing Individual HTTP Providers into Services
- Service Imports
- The Observable object type
- What does an Observable Object do?
- Making a Basic HTTP GET Call
- Using the Service in a Component
- The Component
- Importing Observable Methods
- Enhancing the Service with `.map()` and `.catch()`
- GET Request
- POST Request

- Reading HTTP Response Headers

CHAPTER 10: PIPES AND DATA FORMATTING

- What are Pipes?
- Formatting Changes in Angular 4
- Using a Built-in Pipe
- Using Pipes in HTML
- Chaining Pipes
- Using Pipes in JavaScript
- Some Pipe Examples
- Decimal Pipe
- CurrencyPipe
- Custom Pipes
- A Filter Pipe
- A Sort Pipe
- Pipe Category: Pure and Impure
- Pure Pipe Example
- Impure Pipe Example

CHAPTER 11: INTRODUCTION TO SINGLE PAGE APPLICATION

- What is a Single Page Application (SPA)
- SPA Workflow
- Traditional Web Application Capabilities
- Single Page Application Advantages
- SPA and Traditional Web Sites
- SPA Challenges
- Implementing SPA's Using Angular 4
- Simple SPA Using Visibility Control
- SPA Using Angular Components
- SPA with Angular Components – Switching
- SPA with Angular Components – The Displayed Component
- Implement SPA Using an Angular Component Router

CHAPTER 12: THE ANGULAR COMPONENT ROUTER

- Routing and Navigation
- The Component Router
- Traditional Browser Navigation
- Component Router Terminology
- Setting up the Component Router
- Local URL Links
- Browser pushState
- Routes

- The app.routes.ts File
- The app.routes.ts File – Example
- Bootstrapping Routing in Main.ts
- A Basic App With Routing
- App Routes
- AppComponent – Code, Router Related Features
- AppComponent – precompile array, routerLinks
- Basic Navigation
- Passing Data During Navigation
- Creating Routes with Route Parameters
- Navigating with Route Parameters
- Using Route Parameter Values
- Retrieving the Route Parameter Synchronously
- Retrieving a Route Parameter Asynchronously
- Query Parameters
- Query Parameters – Example Component
- Retrieving Query Parameters Asynchronously