



OVERVIEW CONCEPTS OF ANGULAR

GETTING STARTED

- What is Angular.
- Architecture of Angular Application.
- Project structure of Angular application.

TypeScripts and Object Oriented Programing Fundamentals

- What is TypeScript.
- Declaring variables.
- Data types in TypeScript.
- Type Assertions / Extension methods.
- Arrow Functions.
- Interfaces.
- Classes.
- Objects.
- Constructors.
- Access Modifiers.
- Access Modifiers in Constructor Parameters.
- Properties.
- Modules.

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OVERVIEW CONCEPTS OF ANGULAR

ANGULAR FUNDAMENTALS

- Building blocks of Angular Application
- Creating components.
- Creating components using Angular CLI.
- Templates.
- Directives.
- Services.
- Dependency Injection.
- Generating services using Angular CLI.

Displaying Data and Handling Events

- Property binding.
- Attribute binding
- Adding bootstrap
- Class binding
- Style binding.
- Event binding. and Event filtering.
- Template variables.
- Two way data binding.
- Pipes and Custom pipes

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OVERVIEW CONCEPTS OF ANGULAR

DIRECTIVES

- ngIf
- Hidden property.
- ngSwitchCase.
- ngFor.
- ngClass
- ngStyle
- Creating custom directives

Template driven forms

- Building a basic bootstrap form.
- Types of forms.
- ngModel
- Adding validations
- Specific validation errors
- Styling invalid input fields.
- ngForm
- ngModel Group
- Classes and Directives

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REACTIVE FORMS

- Building a bootstrap form
- Creating a controls programmatically.
- Adding validation
- Specific validation errors
- Implementing custom validation
- Async operations
- Async validations
- Displaying loader image
- Validation upon submitting the form
- Nested FormGroups
- FormArray and FormBuilder

Error Handling.

- Handling Unexpected errors.
- Handling Expected errors
- Throwing Application Specific Errors.
- Working with rxjs operators.
- Global Error Handling.

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OVERVIEW CONCEPTS OF ANGULAR

CONSUMING HTTP SERVICES

- Connect fake API JsonPlaceHolder
- Getting Data
- Creating Data
- Updating Data
- Deleting Data
- OnInit Interface
- Separation of concerns
- Observables and Promises

Routing and Navigation

- Configuring routes
- RouterOutlets.
- RouterLink.
- RouterLinkActive
- Accessing Route Parameters.
- Why route parameters are Observables.
- Routes with multiple parameters.
- Query parameters.
- Subscribing to multiple observables.

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OVERVIEW CONCEPTS OF ANGULAR

- Programmatic navigation
- Creating multiple modules
- Lazy loading

Authentication and Autherization

- Implementing gaurds
- canActivate Method
- Apply gaurds to routes

Building Real-time applications using Firebase

- What is Firebase.
- Working with Firebase Databases
- Installing Firebase.
- CRUD Operations using firebase.

Additional topics

- Implementing toaster notifications
- Implementing pagination.

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