

AngularJs Course Content

Chapter 1: Introduction

- What is AngularJS ?
- History of AngularJS ?
- Sweet spot of AngularJS.
- Complete Solution for Client-Side.
- How AngularJS Works as Single Page Application ?
- What is Two-Way Data Biding and How it works ?

Practical:

- Implementation of AngularJS into your Application.
- Synchronisation of Controller and View.
- Simple Application with Two-way Data Binding.

Chapter 2: Structure of angularjs

- Overview of Library Files.
- How to Configure AngularJS Application ?
- What is Root Element in AngularJS ?
- How to Bootstrap the Web Apps by using ng-app ?
- How to Extend HTML DOM with additional attributes ?
- What is AngularJS Expression and how to use ?

Practical:

- Simple Application using ng-app, ng-init, ng-model and ng-bind.

Chapter 3: understanding controllers and scopes ?

- What is Controller in AngularJS ?
- Uses of Controller ?
- How to call Controller methods ?
- How to pass parameter values to the Controller ?
- Overview of Controller Inheritance.
- Limitations of Controllers.
- What is Scope in Controller ?

- How Scope act is Data-Model ?
- Overview of Scope Hierarchies.
- How to pass Scope values to View ?
- How to Receive View data to the Scope ?

Practical:

- Get Form data into Controller.
- How to access Controller Methods?
- Controller inheritance Example.

Chapter 4: understanding directives

- What is Directive in AngularJS ?
- What are the lists of Directives ?
- Features of Directives.
- How to Attach Directives in Views.
- How to create Custom Directive ?
- How to set Custom Directives as Element, Attribute, Class and Comment?
- What is Isolating scope of a Directive ?
- How to Create a Directive which Wraps Other Elements ?

Practical:

- Separate header, footer and attach in view through “ng-include” Directive.
- Show and hide Views based on values through “ng-if” Directive.
- How to use “ng-repeat” and clone HTML elements using ng-repeat ?

Chapter 5: understanding filters

- What is Filters in AngularJS ?
- What are the List of Filters in Angularjs ?
- Features of Filters.
- How to use Filters as Service and use in js ?
- How to pass parameters in Filters ?

Practical:

- Create a Application with Applying All Filters.

Chapter 6 : understanding forms in angularjs

- How form works in AngularJS ?
- How to pass form data to AngularJS ?
- How to do form Validation in AngularJS ?
- What are the form states ?

- How form states and CSS Classes work together dynamically ?
- How to do custom validation ?
- What is ng-message and how to use in forms ?

Practical:

- Real time form validations by using various states.
- Dynamic form validations by using “ng-messages” directive.

Chapter 7 : understanding dependency injection ?

- Define Dependency Injection.
- Why DI (Dependency Injection) ?
- How to use DI ?
- List of Dependency Annotation ?

Chapter 8 : understanding components and modules

- Overview of Services.
- What is Factory ?
- What is Providers ?
- How to Create Custom Services, Factory and Providers ?
- How to Inject components into other components ?
- What are the 2 Modules in AngularJS ?
- Where and When to use these 2 modules ?

Practical:

- Creating a Calculator application by using Services and Factories.

Chapter 9: Routing in angularjs?

- What is Routing ?
- How to use Routing ?
- How to use \$routeProvider ?
- How to divide a template into multiple templates ?
- How to attach divided multiple templates in views ?
- How Routing converts our Application as SPA ?
- How to pass/receive parameters in url-path ?

Practical:

- Applying Routing in a Real Time Application
- How to convert a regular Application into Single Page Application ?

Chapter 10: \$HTTP Communication Service with JSON

- Features of \$http service in AngularJS ?
- Configuration of \$http Service methods.
- What are the \$http methods and where to use it ?
- How to pass view-data to server side with \$http ?
- How to pass parameters with \$http ?
- What is cache in \$http ?
- How to receive Success Callback and Error Callback in \$http ?

Practical:

- How to connect remote server by using \$http Service.
- How to pass your form data to server side language by using \$http Service.
- Implementing CRUD Operations in a real time Application by using \$http Service.

Chapter 11: List of Inbuilt Services

- \$anchorScroll
- \$animate
- \$cacheFactory
- \$interpolate
- \$interval
- \$location
- \$log
- \$rootScope
- \$timeout
- \$window and more

Chapter 12: List of Inbuilt Services

- JSON Properties and Methods
- angular.copy
- angular.equals
- angular.fromJson
- angular.toJson and more

Practical:

- Fully Hands-on for Complete Your Real time project with all above Methods.

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Know more about [AngularJS](#)



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