

Angular 9

Angular 9



Angular 9



SevenMentor
PVT.LTD

Angular 9 Introduction and Environment Set Up

In this module, we will learn what is angular, what are the major differences between AngularJS and Angular.

We will also learn how to set up in the local development environment and a small introduction about typescript.

What is Typescript and ECMAScript?, with Features, AOT, JIT, TSC (Transpilation) Work and Config, code difference in JS and TS

What is Angular 9?

What is the framework?

The need for MVC, MVVM, MVW and MV*

Architecture in Web Application

What is Components-Based Web Development? And the benefits.

AngularJS (vs) Angular 9

Setup for the local development environment

Angular files and folder structure with JSON configuration

Role of Node JS and NPM in Angular

What is CLI? Angular CLI (Command Line Interface) Commands

Introduction Of Example Project

Start First Angular 9 S. P. A. from basic

Execution of angular.json and package.json

Linking between all project files in MVC architecture

Creating our first element and typescript

Selector: customize or ignore tag(s)

Decorators and Metadata

Import and imports array,

Component and @Component, NgModule and @NgModule,

bootstrap, Selector and template,

Backticks and coding std in the template (ES2015 feature)

templateUrl, styles array, and the styleUrls array

Declaration array, class,

BrowserModule and bootstrapModule etc.

Launching the application.

Role of the Module and Components.

Splitting of Module and Component.

Exporting in Angular



Angular 9 Directives

Structural directives

Built-in Directives

ngIF, ngFor, ngSwitch

Style and Class Directives

ngClass, [class.clsName]

ngStyle, [style.stlName]

Attribute directives

Customise Directive

Component: Way to Create, Split and reuse it.

Host Listener and Host Binding

Data binding in Angular 9

Interpolation

Property binding

Event binding

Two-way Binding

Class binding

Style binding

Methods

Components in Angular 9

In this module, we will learn one of the major concepts in Angular 4.0 i.e., components. And we can also learn how to create a dynamic component (without a separate component file) using @Component.

What are the components?

Understanding Components lifecycle hooks

Creating a component with CLI

Split an Angular application using components to make the Angular application lightweight and high performance.



Modules in Angular 9

Root App module

Ahead-Of-Time(AOT) Compilation

Feature modules

Getting more Object Oriented:

Create a Model for data (validating data)

Classes - Properties, Methods, Constructors, Inheritance

Exporting a model

Mock data model (as the Angular team prefers)

View in Angular 9

Implementing style:

inline style,

internal style, and

external style file

Splitting view files

CSS style Scope

Forms in Angular 9

Template Driven Forms

Reactive Forms

Validating forms

Customise validation

Pipes in Angular 9

Why are pipes useful?

Built-in pipes

Parameterizing pipes

Custom pipes

Angular 9 Services & Dependency injection

Creating Service

\$http Service

Introduction to Injectors (Dependency Injection)

Providers: use and implementation.



Routing in Angular 9

Introduction to Routing
Implementation of Routing
parameterized routing.
Authorisation and Authentication
Configuring & Navigating
Child routes

Angular 9 Operations Using Http Service

requests using HTTP service.
Creating Services
Creating Components
Creating Routings
Configuring NgModule
Working with JSON Data file
Run the application

Deployment of an optimize app product

Deploy on FTP web server
Deployment on Google firebase web hosting service
Build an application as a product with a specific location
Build an application as a product in an optimized way

API implementation in Angular Application.

What is API(s)? Use and Benefits of using API(s).
Way to configure and implement it.

Angular Material with Angular 9

What is Google's Material Design?
Use and benefits using Angular Material.
How to add and configure a new Module with
an existing angular root module.
Way to convert and implement Materialize
Designs in Angular Framework.



Implementation of Bootstrap Framework in Angular Framework with dependent JQuery library(es).

What are Bootstrap and ngb?

Way to implement for development and testing environment.

New CLI(s) in Angular 9

Understanding new and Deprecated CLI(s) in Angular.

Start with the development build

