

TechyEdz Solutions

A Blended Learning Approach



Angular JS

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Angular JS

AngularJS is a framework of javascript which can be added to an HTML page with a tag of the script. AngularJS extends the attributes of HTML with directives and binds data to HTML with expressions. AngularJS uses the library of javascript. AngularJS online training provides you with all the details of libraries used in AngularJS.

This course will give you an insight of the complete angular structure and patterns that it will deal with and also will give a real-time project training which has all the latest patterns that the design patterns and you can able to build your own front end application in patterns like MVC or MVVM.

AngularJS is known as the structural framework for dynamic web applications where designers can use HTML as the language of templates. It allows developers with the extension of the syntax of HTML for delivering the components of application effortlessly. AngularJS makes the code easy for writing it. Learn and get online AngularJS training from Gang Board popular for online courses.

Angular js is a front end framework that can be used with any backend programming language such as PHP, Java, etc. whereas Node JS is a server-side language that is used in a web application and acts as java on the server-side. AngularJS runs on the client browser while Node JS runs on the server-side. AngularJS online course provides you with a deep description of AngularJS.

Course Outline:

1: Introduction to HTML

- HTML Basics, Elements, Attributes, Styles
- Forms, Form Elements, Input Element Types
- Input Attributes, File Paths, Script tag
- HTML & XHTML

2: Introduction to CSS

- CSS Introduction, Syntax, Selectors, Styling
- Pseudo class, Pseudo Elements
- CSS Tables, CSS Box Models
- CSS Opacity, CSS Navigation Bar, Dropdowns

3: Introduction to JavaScript

- JavaScript Statements, Keywords, Functions
- JavaScript Programs, Operators, Functions
- Function Parameters, Function Return Types
- Data Types, Primitive Types

4: Working with Objects

- Object Oriented Programming, Object Creation
- Adding Methods of Objects
- JavaScript Loops & Iteration
- Adding Properties of Objects
- JavaScript Conditional Statements
- Enumerating Properties, Callbacks, JSON

5: Angular JS Basics

- What is Angular JS?
- Why Angular JS?
- Why MVC matters
- MVC-The Angular JS way
- Features of Angular JS ,Model-View-Controller
- My First Angular JS app

6: Angular Expressions

- All about Angular Expressions
- How to use expressions, Angular vs JavaScript

7: Filters

- Built-In Filters, Using Angular JS Filters
- Creating Custom Filters

8: Directives

- Introduction to Directives, Directive Lifecycle
- Binding controls to data, Matching directives

- Using Angular JS built-in directives
- Creating a custom directive

9: Controllers

- Role of a Controller, Controllers & Modules
- Attaching Properties and functions to scope
- Nested Controllers, Using Filters in Controllers
- Controllers in External Files

10: Angular JS Modules

- Introduction to Angular JS Modules
- Bootstrapping Angular JS

11: Angular JS Forms

- Working with Angular Forms, Model Binding
- Forms Events, Updating Models with a Twist
- Form Controller, Validating Angular Forms
- \$error object

12: Scope

- What is scope, Scope Lifecycle
- Scope Inheritance, Scope & Controllers
- Root scope, Scope Broadcasting
- Two-way data binding, Scope Inheritance
- Scope & Directives, \$apply and \$watch
- Scope Events

13: Dependency Injection & Services

- What is Dependency Injection
- Creating Services, Factory, Service & Provider
- Using Dependency Injection, What are services
- Using Angular JS built in services

14: Single Page Application (SPA)

- What is SPA, Pros and Cons of SPA

- Passing Parameters, Changing location
- Installing the ng Route module, Configure routes
- Resolving promises, Creating a Single Page Apps

15: Angular JS Animation

- ng Animate Module, CSS Transforms
- CSS Transitions, Applying Animations

16: Introduction to Node JS

- Introduction to Node JS
- Advantages of Node JS
- What is Node JS, Node.js Process Model
- Traditional Web Server Model

17: Setup Development Environment

- Install Node.js on Windows
- Working in REPL, Node JS Console

18: Node JS Modules

- Functions, Buffer, Module
- Modules Types
- Core Modules, Local Modules
- Modules Exports

19: Node Package Manager

- What is NPM, Installing Packages Locally
- Installing package globally
- Adding dependency in package json
- Updating packages

20: Creating Web Server

- Creating Web Server
- Sending Requests
- Handling http requests

21: File System

- read File, Writing a File
- Opening a file, Deleting a file
- Writing a file asynchronously
- Other IO Operations

22: Debugging Node JS Application

- Core Node JS Debugger

23: Events

- Event Emitter class
- Inheriting Events
- Returning event emitter

24: Express JS

- Configuring Routes
- Working with Express

25: Serving Static Resources

- Serving Static Files
- Working with Middle Ware

26: Database Connectivity

- Connecting String, Configuring
- Updating Records
- Working with Select Command
- Deleting Records

27: Project Development

- Project Development using Node JS

Prerequisites:

- The pre-requisites for AngularJS online course are that the candidate must have the basic knowledge of web programming and web development. He/she must have the basic knowledge of HTML, CSS, and JQuery.

Who Should Attend:

- Anyone who wishes to learn about AngularJS and wants to make a career in the web development field can opt for AngularJS online training at GangBoard.
- He/she must have the knowledge of web programming and web development, basics of HTML and CSS including JQuery.

Number of Hours: 45hrs

Key Features:

- One to One Training
- Online Training
- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- Real Time Projects
- Virtual Live Experience
- Preparing for Certification