

Angular JS - Syllabus

Module 1: Introduction to HTML

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

Module 2: Introduction to CSS

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

Module 3: Introduction to JavaScript

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

Module 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

Module 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

Module 6: Angular Expressions

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

Module 7: Filters

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

Module 8: Directives

**Introduction to Directives, Directive Lifecycle
Binding controls to data, Matching directives
Using Angular JS built-in directives
Creating a custom directive**

Module 9: Controllers

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

Module 10: Angular JS Modules

**Introduction to Angular JS Modules
Bootstrapping Angular JS**

Module 11: Angular JS Forms

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

Module 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**

Module 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**

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Module 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

Module 15: Angular JS Animation

ng Animate Module, CSS Transforms
CSS Transitions, Applying Animations

Module 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

Module 17: Setup Development Environment

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

Module 18: Node JS Modules

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

Module 19: Node Package Manager

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

Module 20: Creating Web Server

Creating Web Server
Sending Requests
Handling http requests

Module 21: File System

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

Module 22: Debugging Node JS Application

Core Node JS Debugger

Module 23: Events

Event Emitter class
Inheriting Events
Returning event emitter

Module 24: Express JS

Configuring Routes
Working with Express

Module 25: Serving Static Resources

Serving Static Files
Working with Middle Ware

Module 26: Database Connectivity

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

Project Development

[For more details about this course, Click on this link: Angular JS Training](#)