

Angular



Angular is the most popular JavaScript framework and platform for developing client-side (front-end) mobile and desktop web apps or single page applications (SPAs).

HTML

Introduction to HTML

- headings
- paragraph
- formatting tags
- image
- anchor
- lists
- table
- id
- class
- iframe
- div
- span
- form
- audio
- video
- html vs html5

CSS

Introduction to CSS

- ways to use CSS (inline , internal, external)
- css selectors
- css color
- border
- padding
- margin
- height
- width
- lists
- text
- display (none, inline , block , inline - block)

- flex
- grid
- position
- z-index
- media

Java Script

Js Basics

- keywords
- identifiers
- datatypes
- variables and constants
- tokens
- operators

Decision Making Statements

Conditions Statements Or Selection Statements

- if
- if else
- nested if else
- if else if ladder
- switch case

Iteration Statements Or Loops

- for
- while
- do while
- for in
- for of

Jump Statements

- continue
- break

Functions

- function declarations, definitions and calling
- types of functions
- anonymous functions
- flat arrow functions or arrow functions
- self invoked function (IIFE)
- storage classification or variable scope (var let const and without keywords)
- recursion

Strings Methods

array Methods

Global Execution Context and Function execution context

- scope chain rule and lexical scoping
- closure

Objects

- literal and keys
- object functions
- nested objects
- Object Prototypes
- setter and getter methods

Set and Map

WeakMap and WeakSet

Dates and Time

OOPS

- literal and keys
- object functions
- nested objects
- Object Prototypes
- setter and getter methods

DOM Manipulation

- DOM
- BOM
- event handling
- time based events

Advanced Js

How Javascript Works

- hoisting
- strict mode
- closure
-

Event propagation

- bubbling
- capturing

Event loop

function currying and asynchronous programming

ajax and json

calling api using ajax

callback hell

promise

async await

fetch

modules

version

Typescript

- Why Typescript
- Basic Types
- Class and Interfaces
- Modules

GITHUB

- Real-time environmental setup

Angular

INTRODUCTION TO ANGULAR

- What is Angular
- What is SPA
- Comparison between different versions
- Advantages and Disadvantages
- Key features

ENVIRONMENTAL SETUP

- Node /NPM
- Angular CLI
- Setup Project
- Directory Structure
- Code Editors
- How Angular Application Boot

MODULES

- What is Module
- Decorator
- NgModule
- Core Module
- Bootstrapping
- Shared Modules

COMPONENTS

- Introduction to Components
- Component Architecture Patterns
- Metadata
- State and Behaviors

TEMPLATES

- Template Expression or Interpolation
- Data Binding (Event ,Property , Two Way)
- *ngIf , *ngFor , *ngSwitch
- Built-in Structural and Attributes Directive

PIPES

- Built-in Pipes
- Custom Pipes

Routing

- Routes , RouterModule , routerLink
- Child Routing
- Params
- Guards

CUSTOM DIRECTIVES

- Structured Directives
- Attribute Directives

VALIDATIONS

- Template Driven
- Reactive Form

- Custom Validators

ASYNCHRONOUS OPERATIONS

- Observable vs Promise
- Network Call
- HTTP Request | Response

SERVICES

- Introduction to Services
- Building a Service
- Dependency Injections
- Injectors and Providers

LIFECYCLE HOOKS

- Component LifeCycle
- All LifeCycle Hooks

LOCAL DATA STORAGE

- Local Storage
- Session Storage
- Cookies

COMMUNICATION BETWEEN COMPONENTS

- @Input()
- @Output() with EventEmitter
- @ViewChild()
Shared Service
Subject

SERVER-SIDE RENDERING (

- Introduction to Server-Side Rendering
- Angular Universal

Angular Testing

- Introduction to Testing
- Unit Testing with Karma and Jasmine

LAZY LOADING

UI COMPONENTS

- Angular Material
- PrimeNG

Third Party Modules

- Social Login
- Pagination
- Search
- Filter
- JWT Token
- File Upload
- Many More

Angular Application Deployment

- Build Application
- Deploy in Heroku



Partners :



Java

DUCAT 
The IT Training School
E-mail: info@ducatindia.com
Visit us: www.ducatinidna.com
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NOIDA

A-43 & A-52, Sector-16,
Noida - 201301, (U.P.) INDIA
☎ 70-70-90-50-90
☎/☎ +91 99-9999-3213

SOUTH EXTENSION (DELHI)

D-27, South Extension-1
New Delhi-110049
☎ 70-70-90-50-90
☎ +91 98-1161-2707

2.0 NOIDA SEC-63

H-43 Sector-63
Noida-201301
☎ 70-70-90-50-90
☎/☎ +91 7042175774

GURGAON

1808/2, 2nd floor old DLF,
Near Honda Showroom,
Sec.-14, Gurgaon (Haryana)
☎ 70-70-90-50-90

GHAZIABAD

1, Anand Industrial Estate,
Near ITS College, Mohan Nagar,
Ghaziabad (U.P.)
☎ 70-70-90-50-90
+91 9810851363

PITAMPURA (DELHI)

Plot No. 366, 2nd Floor,
Kohat Enclave, Pitampura,
(Near- Kohat Metro Station)
Above Allahabad Bank,
New Delhi- 110034.
☎ 70-70-90-50-90