



THE ULTIMATE CODERS

Where Preparation meets opportunity

**ONLINE
TRAINING
SESSIONS**



Our Training Model:

- Curriculum
- Practical Understanding of each concept
- Live Project
- Rigorous Mock Interview
- Resume Building
- Placement assistance till the time you are selected



mongoDB



Contact us:

The ultimate coders

Payghude building Fl no 16 sr. no. 10/1
Deshmukh Wadi, Nda Road Shivne
Opp bata showroom, Pune 411023

Mr. Ravikiran Niturkar

Mob : 9730839873

HTML and CSS

- Intro to Photoshop Tools. Intro to HTML and CSS.
- HTML Fundamentals.
- CSS Fundamentals. Positioning.
- HTML CSS Layout (3 DIV based).
- Responsive web designing using Media query. HTML
- CSS Layout (3 using Media query).
- Responsive web designing using Bootstrap 3. HTML
- CSS Layout (3 using Bootstrap 3).
- Responsive web designing using Bootstrap 4. HTML
- CSS Layout (3 using Bootstrap 4).
- Advanced CSS (CSS Preprocessor SASS).
- HTML CSS Layout (1 using Preprocessor SASS and Bootstrap 4).

JAVASCRIPT

- Introduction to JavaScript
- What, Why JavaScript. Definition of JavaScript, History of JavaScript.
- Basic concept of JavaScript • What is Var • Scope, type of scope
- Details on local and global scope with simple example using console.log
- Data Types introduction
- Variable Mutation and Type Coercion • What is Hoisting in JavaScript?
- Basic Operators • Arithmetic • Assignment
- Difference between == and === • Operator Precedence
- Conditional Statements • If / else Statements • Boolean Logic
- The Ternary Operator and Switch Statements
- Truthy and Falsy Values and Equality Operators Data types:
- JavaScript Strings
- JavaScript Strings Methods (One task on it after Array methods)
- Numbers and Numbers Methods
- Array introduction, Create new array, array methods
- Array Sort (for string and numbers)
- Date, Date format, getMethod, setMethod (2 task on it countdown timer and digital clock with proper UI)
- Math introduction, Math methods.
- Math random. (5 task such as generate numbers between 7 to 9, 11 to 19, 11 to 20.)

INTRODUCTION TO FUNCTIONS

- What are functions
- Some basic examples on functions
- What are parameters and arguments.
- Introduction to different type of functions such as First-class function, anonymous functions, higher order function.
- Hoisting of anonymous and named function with examples
- Introduction to Object
- What are objects
- Keys Values
- Object properties and object methods
- Nested Object
- Function Factory and constructor method to create object
- Loops and Iteration
- For Loop (examples using arrays)
- For in loop (examples using Objects)
- For Of
- For each

DOM MANIPULATION

- Dom document keywords such as document, document.url, document. head, document. body, doc.all, doc. domain, doc.id, doc. className, doc. classList etc....
- JavaScript Methods to select one element (document. getElementById, document. querySelector with at list 3 to 4 examples of each)
- JavaScript Methods to select multiple element. (document. querySelectorAll, document. getElementsByClassName, document. getElementsByTagName)
- JavaScript Traversing. (Parent to children, children to parent, siblings with proper examples)
- Create element using JavaScript
- Replace element using Js
- Remove element using Js
- Attribute methods Js (getAttribute, setAttribute, removeAttribute, tasks access class, id, src of img tag using these methods)

EVENT LISTENERS.

- Introduction to event Listener.
- Pass event as a parameter
- Mouse Event (mouseIn, mouseOut, mouseover, change)
- KeyEvent/From Event (keyDown/keyUp/focus/blur/submit)
- From Events
- Tasks (Tab, accordion, short gallery using select, Modal popup, Modal popup for gallery, slider)

OBJECT CONSTRUCTION

- Create object using custom function.
- Create object using constructor method.
- Difference between functional mode and constructor mode.
- Object GetownPropertyDescriptor methods.

FUNCTION IN DETAILS

- Higher order functions (examples).
- First class functions.
- Closers in Js (example).
- Why, What, IIFE.

JSON and AJAX

- What is JSON, Difference between Js Object and JSON.
- What is Ajax, API, Rest Api.
- How to create http request.
- Asynchronous JavaScript.
- Callback function.
- What is Callback Hell.
- Promises.
- Async and Await.

FORM VALIDATION

- Web Storages
- Local storage
- Session storage
- CRUD application using web storages

ES6

STRINGS AND TEMPLATE LITERALS BLOCK BINDINGS

- let and const in block level scope
- let and const in loops
- let and const in Global Scope & Summary

FUNCTIONS IN ES6

- Default Parameters
- Default Parameters as Expressions
- Rest Parameters
- Spread Parameters
- Block level functions
- Arrow functions

OBJECTS IN ES6

- Objects Literals – Syntax
- New Methods for Objects

DESTRUCTURING OBJECTS AND ARRAYS

- Destructuring in Objects
- Destructuring in Arrays

ITERATORS AND GENERATORS CLASSES

- Class - An Introduction
- Class - In Detail
- Class and Inheritance

ASYNCHRONOUS PROGRAMMING AND THEIR PROMISES

JQUERY

Jquery intro jquery get started jquery syntax jquery Selectors

Jquery events

JQUERY EFFECTS

- jQuery Hide/Show
- jQuery Fade
- jQuery Slide
- jQuery Animate
- jQuery stop ()
- jQuery Callback
- jQuery Chaining

JQUERY HTML

- jQuery Get
- jQuery Set
- jQuery Add
- jQuery Remove
- jQuery CSS Classes
- jQuery css ()
- jQuery Dimensions

JQUERY TRAVERSING

- jQuery Traversing
- jQuery Ancestors
- jQuery Descendants
- jQuery Siblings
- jQuery Filtering

JQUERY AJAX

- jQuery AJAX Intro
- jQuery Load
- jQuery Get/Post

FORM VALIDATION

CRUD APPLICATION USING LOCAL STORAGE

CRUD APPLICATION USING GOOGLE FIREBASE DATABASE

HTML

B

JSON

JS ES6

TS

DOM

jquery



1. ANGULAR

- 1.1. What is Angular
- 1.2. Difference between Angular 2.0 vs 7.0
- 1.3. Angular CLI and Troubleshooting
- 1.4. Node JavaScript Introduction
- 1.5. Setup a Project
- 1.6. Setup Node js with angular
- 1.7. Typescript Introduction
- 1.8. What is bootstrap
- 1.9. Create Your First App

2. MODULES AND COMPONENTS

- 2.1. What is Component in Angular js
- 2.2. What is Module in Angular js
- 2.3. Create and Start Component
- 2.4. Why Components are important.
- 2.5. How we create a component
- 2.6. Create Component using CLI
- 2.7. What is nesting Component
- 2.8. What is Component Template
- 2.9. Component Styles and Selectors

3. DATA BINDING IN ANGULAR

- 3.1. What is Data binding
- 3.2. Splitting Application into Component
- 3.3. String Interpolation
- 3.4. What is Property Binding
- 3.5. Difference between Property Binding and String Interpolation
- 3.6. Binding with Custom Events.
- 3.7. What are Binding Properties and Events
- 3.8. Two Way binding
- 3.9. Combine Forms with Data binding
- 3.10. Custom Properties
- 3.11. What is Encapsulation
- 3.12. How to Use Local Reference in Templates Template Access and DOM
- 3.13. Component Lifecycle
- 3.14. What is Hooks in Angular js
- 3.15. Access Template with Hooks

4. DIRECTIVES IN ANGULAR JS

- 4.1. What is Directives
- 4.2. Using Output Data Conditionally
- 4.3. What is ng if and else condition
- 4.4. Output List
- 4.5. Styling Element with ngStyle
- 4.6. How to apply css class dynamically with angular js
- 4.7. How to Create Basic Attribute Directive
- 4.8. What is Renderer
- 4.9. What is HostBinding and HostListener
- 4.10. Directive Properties
- 4.11. ngSwitch

5. DEPENDENCY INJECTION IN ANGULAR JS

- 5.1. What is Dependency Injection
- 5.2. What is Services
- 5.3. Logging Service and Injection
- 5.4. Create Data Service
- 5.5. Instance of Services
- 5.6. Insert Service into Services
- 5.7. How to use service in Cross Component
- 5.8. What is Hierarchical Injector

6. ROUTING

- 6.1. What is Routing?
- 6.2. Loading of Routes
- 6.3. Navigation and its path
- 6.4. Styling of Router Links
- 6.5. Relative Path Navigation
- 6.6. Default parameter in Routing
- 6.7. Fetch Routing Parameter
- 6.8. Observables
- 6.9. Passing & Retrieving Parameters & Fragments
- 6.10. Nested Routing Configuration Query Parameters
- 6.11. Redirection Routes
- 6.12. Route configuration
- 6.13. Route Guards
- 6.14. Protect Routes with canActivate
- 6.15. Navigation Controlling
- 6.16. Static Data in Route
- 6.17. Location Strategies

7. FORMS

- 7.1. What is Forms and how do we handle it?
- 7.2. Reactive Approach
- 7.3. Template Driven
- 7.4. Create Template Driven Forms
- 7.5. What is Registering Control
- 7.6. Use and Submit of Forms
- 7.7. Access of Forms
- 7.8. How to add validation in use input
- 7.9. Build-In Validation
- 7.10. HTML5 Validation

- 7.11. Output Validation and Error Messages
- 7.12. Two Way Binding
- 7.13. Grouping
- 7.14. Radio Button Handling
- 7.15. Patch Forms Values
- 7.16. Resetting Templates form Forms

8. REACTIVE FORMS

- 8.1. What is Reactive Forms
- 8.2. Create Reactive form through code
- 8.3. Syncing of HTML and Form
- 8.4. Adding Validation
- 8.5. Submit Forms
- 8.6. Grouping
- 8.7. Form Control Arrays
- 8.8. Custom Validators
- 8.9. Relative Forms
- 8.10. Async validation
- 8.11. Value changes and Reacting to status

9. PIPES

- 9.1. What is Pipes in Angular
- 9.2. How we use pipes
- 9.3. Chaining Multiple pipes in angular
- 9.4. parameterizing a pipe
- 9.5. Filter Pipe
- 9.6. Impure & Pure Pipe
- 9.7. async Pipes

10. HTTP REQUESTS

- 10.1. What is HTTP Requests
- 10.2. How it work
- 10.3. How to send requests
- 10.4. Adjusting Request Headers
- 10.5. How to handle Get and Put Request
- 10.6. Catching HTTP Error
- 10.7. async with HTTP Requests

11. AUTHENTICATION

- 11.1. What is Authentication
- 11.2. How Authentication Work
- 11.3. Introduction to JSON Web Tokens
- 11.4. Creating Page and Route
- 11.5. Firebase SDK
- 11.6. User Signing UP and In
- 11.7. Sending Token & Requiring
- 11.8. Authentication Status
- 11.9. How to add Logout button
- 11.10. Protection & Redirection of Route

12. ANGULAR MODULES

- 12.1. What is idea behind Modules
- 12.2. What is feature Modules and how we create it
- 12.3. What is App Modules
- 12.4. Registering Routes in Feature Modules
- 12.5. What is Shared Module and how we create
- 12.6. Create the Auth Feature module
- 12.7. What is Lazy Loading How to Modules & Services works
- 12.8. What is Core Module
- 12.9. How to Create Basic Core Module
- 12.10. AoT Compilation with CLI

13. HTTP CLIENT

- 13.1. What is HttpClient and how we unlock it
- 13.2. Request Configuration with Response
- 13.3. Request Events
- 13.4. Set up Headers
- 13.5. HTTP Parameters
- 13.6. Progress
- 13.7. What is Interceptors
- 13.8. Modify Request in Interceptors
- 13.9. Multiple Interceptors

14. ANIMATIONS

- 14.1. What is Angular Animations
- 14.2. Triggers and State
- 14.3. Switch between States
- 14.4. Basic and Advanced Transitions
- 14.5. What is void state
- 14.6. Key frames in animation
- 14.7. Grouping
- 14.8. Animation Callback

15. UNIT TESTING

- 15.1. What is Unit Testing
- 15.2. How to Analyze CLI Testing Setup
- 15.3. Running Test with CLI
- 15.4. Components and dependencies
- 15.5. Async Tasks
- 15.6. Adding Component with tests
- 15.7. Difference between Isolated and Non-isolated Tests



mongoDB



THE ULTIMATE CODERS

Where Preparation meets opportunity

- **We are a group of Working Professionals trying to get the struggle life of the Freshers and Non-IT guys a bit easy to get into the IT industry.**
- **We provide Hardcore Industry Standard Training with Placement Assistance till the time you get your first offer letter.**

Since we are Professionals so we do provide reference placements to hard-working candidates so

ARE YOU GUYS READY TO JOIN THE INDUSTRY????

GET CERTIFIED IN

- **Vaild Online Certification**
- **Masterclass**
- **Industry Experienced Mentors**
- **Multi Language Teaching (English + Marathi)**
- **Doubt Clearing sessions**
- **Practical approach**