



Adhyayan

IT COMPANY



Front End Syllabus



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Introduction

Basic Formatting Tags Grouping Using Div

Span Lists

Images Hyperlink Table

frame Form Headers

Front End Syllabus

HTML

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Introduction

JS in HTML

JavaScript

HTML DOM (Document Object Model)

JS Console

JS Debugging

JS var

Arrays

JS Objects

JS Functions

JS dialog boxes

HTML Attributes etc.



Introduction of Responsive Bootstrap

Bootstrap

i. Introducing Bootstrap

ii. Creative a Simple Page

iii. Enhancing the Page

Responsive Layouts with the Bootstrap Grid

i. Introducing of Grid

ii. How the Bootstrap Grid Works

iii. Layout in Bootstrap

iv. Styling Content

CSS2

• ction Syntax

• Selectors

• ColorBackground

• Text Fonts

• Lists Tables

• Box Model

• Display Positioning

• Floats

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Variable Hoisting in JavaScript

• JS let & const

Advance JavaScript

• Model

• Arrow function

• Find, Filter & Map function

• JS Object Constructors

• String & Template literals

• Event in JS

• Class

• Map & Set

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Using Bootstrap Components

i. Building a Navbar

ii. Adding Buttons and Button Groups

iii. Horizontal Nav and Dropdown Buttons

iv. Displaying Content with Cards

v. Building the List Group

Building Forms with Bootstrap

i. Form Groups and Form Controls

ii. Custom Form Controls for Cross-Browser Consistency

iii. Structured Form Layouts with the Grid

iv. Adding Validation Styles



Bootstrap

Angular

Angular installation

- node.js
- Angular-cli
- Visual Studio code

Angular Project Flow(Folder Structure)

Types of data bindings in Angular

- String interpolation
- Property Binding
- Event Binding
- Two way Data Binding

Decorators used in Angular

- @Component
- @NgModule
- @Injectable
- @Input
- @Output
- @HostListner
- @directives
- @pipes

Pipes in Angular

- What is pipes?
- How to use pipes in angular ?
- Types of pipes
 - Custom pipes
 - Predefine pipes

Directives in Angular

- What is directives in angular ?
- How to use directives
- Types of directives
 - Structural directives
 - Attribute directives
 - Custom directives

Services in Angular

- What is services in angular ?
- How to use services
- How to generate services

Angular CRUD

- Insert data to database
- Get data from database
- Update data in database
- Delete data from database

Json-Server

- How to install json-server
- How to use json-server

Bootstrap & Font-Awesome

Library Installation

Angular material

- Material table
- Material form

Angular Forms

- Template driven forms
- Reactive forms
 - Form builder
 - Form Group
 - Form Control

Routing

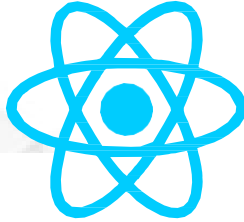
- What is Routing ?
- Advantages of routing
- How to use routing
- Child Routing

Mini Project



React JS

- React JS Introduction
- Advantages of scripting languages
- Features, Advantages & Limitations of React JS
- Setting up Environment
- Module Import-Export
- JSX in Depth
- Babel compiler in React JS
- Components in React JS
- Props in React JS
- Fragments in React JS
- Bootstrap in React JS
- Bootstrap-icon in React JS
- React Conditional Rendering
- API Call in React
- Hooks in React JS
- tus Completo Java Clas
- Context in React JS
- Form in React JS
- React Router



Mini Project

Node JS

1) Introduction to Node JS

- Introduction
- What is Node JS?
- Advantages of Node JS
- Node.js Process Model

2) Setup Dev Environment

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

3) Node JS Modules

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

4) Node Package Manager

- What is NPM
- Installing Packages Locally
- Adding dependency in package.Json
- Installing packages globally
- Updating packages

5) Creating Web server

- Creating web server
- Handling http requests
- Sending requests

6) File System

- Fs.readFile
- Writing a File
- Writing a file asynchronously
- Opening a file
- Deleting a file
- Other IO Operations

7) Debugging Node JS Application

- Core Node JS debugger
- Debugging with Visual Studio

8) Events

- EventEmitter class
- Returning event emitter
- Inhering events

9) Express.JS

- Configuring routes
- Working with express
- 10) Database connectivity
- Connection string
- Configuring
- Working with select command
- Updating records
- Deleting records

- 11) Develop a web application which involves database operations

