

## UI Technologies with Full Stack

(HTML5, CSS3, JavaScript ES6, JQuery, Bootstrap 5)

### Introduction to UI

Web Application Architecture

List of Technologies used to Web Development Understanding project development process

List of environments involved in Development Types of Software Companies

Roles of UI Developer Roles of UI Designer

Difference between UI Developer & UI Designer

### Tools Used for UI / UX

Development Environment Setup Installation of Editors like Visual Studio Code installation of Node JS

Installation of Live Server

How to download source code for development Integrate the source code with the editor

Usage of live server

Usage of Source Code

### Basics of UI

Introduction to Web

### Introduction to HTML 5

- How it works
- Structure of an HTML Doc HTML First Application Rules of HTML coding HTML Headings
- HTML Paragraphs
- HTML DIV Tag
- HTML Span Tag
- HTML Text Formatting Tags
- HTML Un ordered Lists
- HTML Ordered Lists
- HTML Images
- HTML Tables
- HTML Links
- HTML Entities
- HTML I frames

### (A Food Website)

### HTML forms(20 input types)

- Introduction to HTML Forms
- HTML Form Elements like Input, text area, select Box, data list etc.

## Our Courses

Java Full Stack, Dotnet Full Stack, Python Full Stack, Data Science (AI & ML), Front End – Angular, Front End – React, Testing, Tools – QA, Digital Marketing, Tally, MS Office, C & DS, Java, Advanced Java, Azure Devops, UI Technologies

- HTML Form Input Types HTML Form Attributes
- HTML Field Set & Legend Tags (**Online Job Application Form**)

### Layout Elements in HTML 5

- Introduction HTML Header Tag HTML footer Tag
- HTML Section, Article Tags HTML Aside Tag
- HTML Nav Tag
- HTML figure, figcaption tags HTML Details, Summary tags HTML Audio, and Video tags (**Documentation Website**)

### Introduction to CSS3

- Introduction,
- CSS Selectors,
- CSS Pseudo classes selection Inline CSS,
- Internal CSS,
- External CSS
- CSS Basics
- CSS Colors RGB, HEX, HSL, RGBA, HSLA
- CSS Backgrounds
- CSS Borders
- CSS Margins
- CSS Paddings
- CSS Outlines
- CSS Text Formatting
- CSS Fonts
- CSS Links
- CSS Tables
- CSS Positions
- CSS Box Model
- CSS Display Properties
- CSS Floats
- CSS Vertical Navigation bar
- CSS Horizontal Navigation bar
- CSS Dropdowns
- CSS Dropdown Navigation bar
- CSS Tooltips CSS Forms
- CSS Image Gallery
- CSS 2D Transformation
- CSS 3D Transformation
- CSS3 Transitions
- CSS3 Animations
- CSS3 Advanced Animations
- CSS3 Flex boxes

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- CSS3 Media Queries (**Electronic Gadgets Website**) (**Online Resume Website**) (**OYO Rooms Website**)

### JavaScript with ES6

- Introduction to JavaScript JavaScript features
- Understanding Runtime Env Why to Learn JavaScript Setting up Development Env JavaScript
- Variable Declaration
- JavaScript Data Types
- JavaScript Operators
- JavaScript Conditional Statements
- JavaScript Intro Data Structures
- JavaScript Objects
- JavaScript Arrays
- JavaScript Functions
- JavaScript Math object ,
- Javascript Date object,
- Javascript String object,
- Javascript Number Objects
- JavaScript DOM Intro
- JavaScript DOM Manipulations
- JavaScript Event Handling
- JavaScript Event Listeners
- JavaScript Form validation
- JavaScript Number App
- JavaScript Calculator App
- JavaScript SMS App
- JavaScript Digital clocks
- JavaScript Dependent Select Boxes
- **(JavaScript Typing Tester App)**

### Advanced JavaScript

- JavaScript Call back Functions
- JavaScript Promises
- JavaScript Scopes & Closures ES6 features
- ES6 Template Strings
- ES6 for-of loops
- ES6 Arrow Functions
- ES6 DE structuring Concept

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- ES6 Spread Operators
- ES6 Classes
- ES6 Inheritance with Classes
- ES6 Collections like Map,
- Set JavaScript Exception Handling

### JQuery

- Introduction JQuery Basics
- JQuery Selectors
- JQuery Events
- JQuery Effects
- JQuery Examples
- JQuery DOM Manipulation
- JQuery forms Manual
- JQuery forms Automatic
- JQuery with Bootstrap App
- JQuery html dom methods
- JQuery Css dom methos
- JQuery Animations
- JQuery effects
- JQuery selectors
- JQuery hide, show, slide show more effects
- AJAX Basics JSON Basics
- JavaScript AJAX JQuery AJAX
- JQuery AJAX with Bootstrap

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## Bootstrap 5

- What is Bootstrap? Features of Bootstrap History of Bootstrap Bootstrap Overview Bootstrap Installation
- Tools Used for Web Development Setting Development Environment Bootstrap First Application Bootstrap Components Overview
- Basic Typography
- Text Alignment & Display Floats
- Position in Bootstrap
- Colors Background
- Spacing in Bootstrap
- Sizing in Bootstrap
- Breakpoints in Bootstrap
- Buttons in Bootstrap
- Navigation bars in Bootstrap
- List groups and Badges in Bootstrap
- Forms in Bootstrap
- Input groups in Bootstrap
- Alerts & Progress bars in Bootstrap
- Tables & Pagination in Bootstrap
- Cards in Bootstrap
- Media Objects
- Grid System in Bootstrap Grid Alignments in
- Bootstrap Flex boxes in Bootstrap
- Auto margin & wrapping order in
- Carousels in bootstrap
- Collapse classes in Bootstrap
- Tooltips in Bootstrap
- Popovers in Bootstrap
- Modals in bootstrap

(Project1)

(Project2)

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**Course Highlights:**

- 1) Please note we are going to develop 5 Mini Projects.
- 2) Each Technology will be covered from Zero to Hero strategy.
- 3) Each Technology is perfectly organized with Starter Template and Completed Template.
- 4) Real Time Oriented Course Structure.
- 5) Complete Source code will be provided to you time to time after completion of each technology.

Thanks for your interest in learning and  
Development of UI Technologies.

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