HTML / JavaScript Course Content (30 days)

(HTML5, CSS3, JavaScript - ES5)

Introduction to UI / UX

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 WebStorm IDE
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
Header Tags, Paragraph tag
DIV tag, Span Tag, Text Formatting
Unordered List, Ordered List
Images, Tables, Links, HTML Entities, Iframes

Mini Project (The Great India Website)



Forms in HTML 5

Introduction to HTML Forms HTML Form Elements HTML Form Input Types HTML Form Attributes

Mini Project (Online Job Application)



Layout Elements in HTML 5

Introduction

<Section>, <Article>, <Header> <Footer> <Aside>, <nav>, <figure>, <figcaption> <Details>, <Summary>, <main> Elements

Mini Project (Company Website)



Media Elements in HTML 5

<audio>, <video> Elements

Introduction to CSS3

Introduction,

CSS Selectors, CSS Pseudo classes selection
Inline CSS, Internal CSS, External CSS
CSS Backgrounds, CSS Borders, CSS Margins,
CSS Paddings, CSS Outlines, CSS TEXT Formatting's,
CSS Fonts, CSS Links, CSS Tables, CSS Positions, CSS
Box Model, CSS Display, CSS Float properties,
CSS Vertical Navigation bar, CSS Horizontal Navigation
bar, CSS Dropdowns, CSS Dropdown Navbar, CSS Tool
Tips, CSS Forms, CSS Image Gallery

2D Transforms in CSS 3

Introduction

translate(), rotate(), scale(), skewX(), skewY()
skew(), matrix()

3D Transforms in CSS 3

Introduction

RotateX, RotateY, RotateZ

HTML / JavaScript Course Content (30 days)

(HTML5, CSS3, JavaScript - ES5)

Transitions in CSS3

Introduction

Transition & Transformation

Speed Curve, Delay Transition

Animations in CSS3

Key frames rule, Delay Animation Specify animation speed curve

Animation shorthand

Buttons in CSS3

Basic Button Styling, Buttons Colors, Button Sizes,

Rounded Buttons, Hover able Buttons

Shadow Buttons, Disabled Buttons

Button Groups, Animated Buttons

Mini Project (Technology Portal Website)



Basic JavaScript

Introduction to JavaScript

JavaScript features

Understanding Runtime Env

Why to Learn JavaScript

Interesting Facts of JS

History of JavaScript

Setting up Development Env

JavaScript Basics

Inline JavaScript

Internal JavaScript

External JavaScript

Variable Declaration in JS

JS Data Types

JS Operators

JS Conditional Statements

JS Objects

JS Arrays

JS Functions

JS Math & Date Objects

JS Math & Date & String Objects

Collections in JavaScript

JS DOM Manipulation

Advanced JavaScript

JS Scopes Concepts

JS Advanced functions

JS Closures

JS Objects advanced

Mini Project (Typing Speed Tester App)





JavaScript Form Validations



HTML / JavaScript Course Content (30 days)

(HTML5, CSS3, JavaScript - ES5)

Course Highlights:

- 1) Please note we are going to develop **5 Mini Projects.**
- 2) **Laptops** are mandatory for attending this course.
- 3) Each Technology will be covered from **Zero** to **Hero** strategy.
- 4) Each Technology is perfectly organized with Starter Template and Completed Template.
- 5) Real Time Oriented Course Structure.
- 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 Ul Technologies.

Naveen Saggam