

Web Designing / Front End Web Development

Duration: 2 Months (Weekdays Batch)/10 Weekends (Weekend Batch)

Prerequisites

- There is no pre-requisite for this course

HTML: Hyper Text Markup Language

1. HTML Basic

- What is Markup Language
- Basic Structure of HTML
- Meta Tags
- External Link Tags

2. HTML Elements

- Basics, Elements , Attributes
- Paragraphs and Formatting
- HTML Skeleton, Links
- Creating an HTML Document
- Basic Content Structure
- Headings
- Horizontal Rules
- Line Breaks

3. Images

- Optimizing web graphics - JPEG, GIF & NG
- Getting images from Photoshop
- Embedding Images in a Web Page
- Using Graphics as Links
- Using Background Images
- Setting image properties via HTML

4. Hyperlinks

- Href, Name, Title, Target

5. Lists

- Creating Unordered & Ordered Lists
- Creating Nesting Lists
- Creating Definition List

6. Div & Tables

- Creating of Div Tag
- Creating and Modifying Tables
- Formatting Tables
- Table Headers and Captions

CSS: Cascading Style Sheet

1. Understanding CSS:

- Versions of CSS
- Types of CSS Rules
- CSS and Markup Languages

2. CSS Basics:

- Adding Styles to an HTML Tag
- Adding Styles to a Web Page and Web Site
- Redefining an HTML Tag

7. Form

- Name, Action, Method
- Text, Hidden, Password
- Radio Button, Checkbox
- Select, Textarea
- Submit, Reset, Button

8. HTML5

- HTML5 Structural Elements
 - Section, Article, Aside
 - Header, Hgroup
 - Footer, Nav
- HTML5 Content Elements
 - Figure, Figcaption, Video
 - Audio, Embed, Canvas
- HTML5 New Application Focused Elements
 - Meter, Details, Summary
 - Progress, Time
- HTML5 Input Types
 - Color, date, datetime
 - email, month, number
 - range, search, tel
 - time, url, week
- HTML5 Form Attributes
 - autocomplete
 - novalidate
 - form/formaction
 - autofocus
 - multiple
 - pattern(regexp)
 - placeholder
 - required

- Defining Classes to Create Your Own Tags
- Defining IDs to Identify an Object
- Defining Styles with the Same Rules
- Adding Comments to CSS
- Style Sheet Strategies

3. Font Properties:

- Understanding Typography on the Web
 - Setting the Font Size
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- Making Text Italic and Setting Bold, Bolder, Boldest
- Creating Small Caps
- Setting Multiple Font Values
- 4. Text Properties**
 - Adjusting Text Spacing
 - Setting Text Case
 - Aligning Text Horizontally and Vertically
 - Indenting Paragraphs
 - Setting Text and Foreground Color
 - Decorating Text
 - Setting Text Direction
 - Setting Page Breaks for Printing
- 5. Color and Background Properties**
 - Choosing Color Palettes
 - Setting Text and Foreground Color
 - Setting a Background Color
 - Setting a Background Image
 - Setting Multiple Background Values
- 6. Box Properties**
 - Setting an Element's Margins
 - Setting an Element's Border
 - Setting an Element's Outline
 - Setting an Element's Padding
 - Setting the Width and Height of an Element
- 7. CSS Border**
 - Border, width, color, style

- 8. Positioning**
 - Static, relative, absolute
 - Fixed, z-index
- 9. Floating**
 - None, left, right
 - Initial, inherits
- 10. Pseudo – elements and CSS classes**
- 11. CSS List**
 - list-style
 - list-style-image
 - list-style-position
 - list-style-type
- 12. CSS3**
 - Borders
 - CSS3 Backgrounds
 - CSS3 Gradients
 - CSS3 Shadows
 - CSS3 Text Effects
 - CSS3 Fonts
 - CSS3 2D/3D Transforms
 - CSS3 Transitions
 - CSS3 Animations
 - CSS3 Multiple Columns
- 13. Create a Layout Using CSS Property**

JavaScript

- 1. Introduction**
 - 2. Statements & Comments**
 - 3. Variables**
 - 4. Data types**
 - 5. Operators**
 - 6. Conditional Statements and Loops**
 - 7. User Defined Functions**
 - 8. HTML Events**
 - Window Event Attributes
 - onload
 - onunload
 - Form Events
 - onblur
 - onchange
 - onfocus
 - oninput
 - onselect
 - onsubmit
 - Keyboard Events
 - onkeydown
 - onkeypress
 - onkeyup
 - Mouse Events
 - onclick
 - ondblclick
 - onmouseover
 - onmouseout
 - onmousedown
 - onmouseup
 - 9. JS Validations**
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Advanced JavaScript

1. JavaScript Basics

- Refreshing Basic JavaScript Concepts
- Defining Functions
- Arrays & Objects in JS
- Date & Math Object
- String Methods
- Set timeout & Set Interval Function

2. The DOM Objects

- Introduction to DOM object
- DOM Methods
- Access & Modify HTML through DOM

- Event Listeners

3. Advance JavaScript Overview

- Functions in depth
- JS Prototype
- This Keyword in JS

4. Getting Into Advance JS

- OOJS concept
- Classes & Instances
- Exception Handling in JS
- Constructors & Inheritance

JQuery

1. Introduction

2. JQuery Syntax

3. jquery Selectors

4. jquery Events

5. jquery Effects

- jquery Hide/Show
- jquery Fade
- jquery Slide
- jquery Animate
- jquery Stop()
- jquery callback
- jquery chaining

6. JQuery HTML

- jquery Get
- jquery Set
- jquery Add
- jquery Remove
- jquery CSS Classes
- jquery CSS

7. jquery Misc

- jquery noConflict()

Ajax

1. AJAX with JavaScript

- Why AJAX & How it works
- Syntax (XMLHttpRequest Object)
- Sending Requests to server
- Processing Response

- AJAX Events

- Example with PHP Server

5. JQuery AJAX

- jquery load
- jquery Get/Post

Bootstrap

1. How to Create a Layout in Bootstrap

- Grid Classes

2. Basic Tags in Bootstrap

- Contextual colors and backgrounds

3. Table in Bootstrap

- Bootstrap Basic Tables
 - Striped Rows
 - Bordered Table
 - Hover Rows
 - Condensed Table
 - Contextual Classes
 - Responsive Tables

4. Navigation bar in Bootstrap

- Inverted Navigation Bar
- Fixed Navigation Bar
- Navigation Bar with Dropdown

- Right-aligned Navigation Bar
- Collapsing the Navigation Bar

5. Form in Bootstrap

- Vertical Form
- Horizontal Form
- Inline Form

6. Buttons in Bootstrap

- Button Styles
- Button Sizes
- Block Level Buttons
- Active/Disabled Buttons

7. Images in Bootstrap

- Rounded Corners Image
 - Circle Image
 - Thumbnail Image
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