

Web Development Training Course

Session: 2023

Module1: HTML

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Part 1: Basic Concepts of Internet

1. Internet Versus Web

2. How does the internet works?
 - IP Address

 - Domain Name Service (DNS)

 - DNS Server

 - HTTPS

3. Server Side / Client Side

4. Web Page Addresses (URL)
 - Parts of URL

 - Default URL

5. The Anatomy of a Web Page
 - How Browsers Display Webpage

 - HTML Documents

 - Elements

 - Versions of HTML

Part 2: HTML Markup for Structure

1. IDE / Text Editor

2. Git and Source Control

3. UX, Wireframes, Flow Charts

4. HTML Boiler Plate

5. Hello from HTML

6. Tags/Elements
 1. Inline Tags

 2. Block-Level Tags

 3. Self-Closing Tags

7. Developer Tools

Part 3: Marking Up Text

1. Paragraphs

2. Headings

3. Lists

a. Order Lists

b. Unordered List

4. Tables

5. Special Text Elements

c. Blockquote

d. Bold

e. Br

f. Cite

g. Time

6. Generic Elements

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i. div

j. section

k. header

l. footer

m. nav

n. article

o. aside

7. Tag Attributes and Properties

8. Id and Class

9. Special Characters

Part 4: Anchoring Pages

1. Anchor Tag

2. href attribute

3. Linking within page

4. Targeting new Browser window

5. Mail links

Part 5 Adding Images

1. Image Formats and Resolution/Pixels

6. File Path and File Directories

7. Img Element

8. Image Tag Attributes

a. Src

b. Alt

9. Adding and Linking Images

10. A window in a Window (Embedding)

Part 6 Table Markup

1. Table Tags

2. Table Structure

3. Spanning Cells

4. Describing Table Content

5. Connecting Cell and Headers

Part 3: Forms

1. What's a Form?

2. Forms in Web

3. Data Entry Response

4. Form element

5. Input Elements

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- Input:password
- Input:email
- Input:submit
- Input:number
- Input:tel
- Input:hidden
- Input:url
- Textarea
- Radio buttons
- Select lists
- Input:file
- Check boxes
- Textarea
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- Color Selector
- Special Inputs
 - i. Progress
 - ii. Meter
 - iii. Keygen
 - iv. output

6. HTML Form Validations

- Regular Expressions
- Pattern Attribute
- Min and Max Attribute

7. Form Accessibility Features

- Label

- Fieldsets
 - Legend
-

8. Form Attributes

9. Sending Data to Web

Part 4: Video and Audio

Part 5: Canvas

Part 6: HTML 5.0 APIs

Module2: Cascading Style Sheet

Module3: Bootstrap 5.0 Frontend Framework + Javascript + Jquery

Module4: DATABASE –MYSQL with PHP and AJAX

Module5: PROJECT

Module6: ADVANCE PHP FRAMEWORKS (Advance Course)

REFERENCES:

1. Source Code will be made available on Git after each session. Students are requested to clone repositories from the link:

<https://github.com/qamarabbas408/Web-Development-Training.git>

2. Other Online Learning Platforms which are Free to Access are:

- a. W3school
- b. FreecodeCamp
- c. KhanAcademy
- d. Codecademy

3. Books

- a. Learning Web Design, Fourth Edition by Jennifer Niederst Robbing
- b. The Complete Reference HTML and CSS, fifth Edition by Thomas A. Powel
- c. HTML 5 Up and Running by Mark Pilgrim
- d. PHP 7 Dynamic Web Design by David Powers

e. Web Programing with HTML, CSS and JS by John Dean