MCAST

Introduction to Web Servers and How Websites Work

What you will Learn

In this course, you will learn how websites work by exploring the role of web servers and how they help deliver websites to people online. You will also plan and design your own website based on specific needs, ensuring it looks good and functions well. Once your design is ready, you will build the website step by step, following the plan. Finally, you will test your website to make sure it works properly and set it up on a local server to simulate putting it live on the internet.
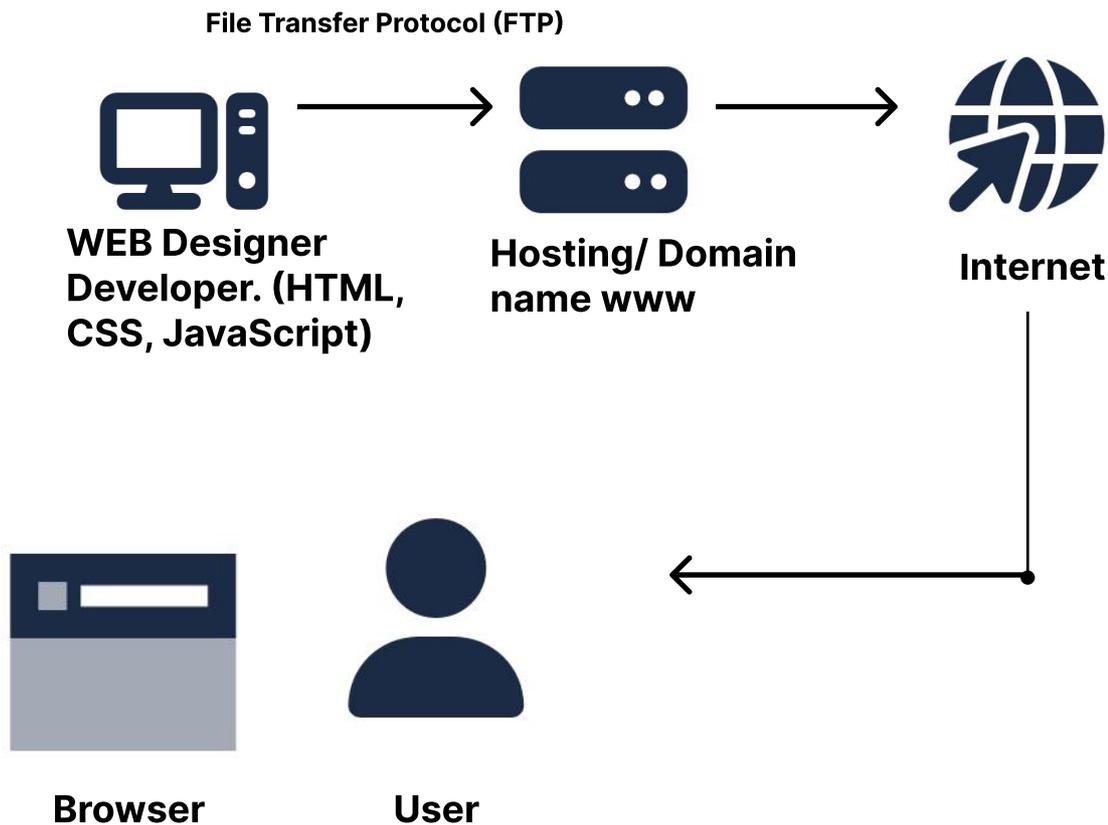
Evaluation

1. Multiple Choice quiz questions 10%
2. Web design Multi-page Wire Frames 30%
3. Build a Multi-page website locally 50%
4. Testing offline deployment 10%

The World Wide Web and How Websites Work

File Transfer Protocol (FTP)

WEB Designer Developer. (HTML, CSS, JavaScript)   **Hosting/ Domain name www**   **Internet**

Browser   **User**

- **Web Browser:** A web browser is a tool (like Chrome, Firefox, or Safari) that lets you view and interact with websites. It's the program you use to type in a website's address and see what it looks like, including all the text, images, and videos.
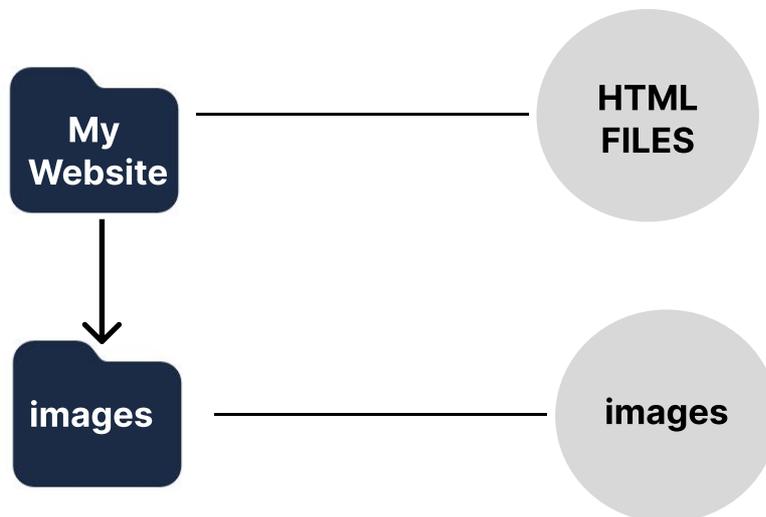
- **Web Server:** A web server is a special computer that stores websites and sends them to your web browser when you request them. When you type a website's address into your browser, the browser asks the web server for the website, and the server sends the information back so the browser can display it for you.

In short, the web browser lets you see the website, and the web server stores the website and sends it to you when asked.

Worksheet 1: Organising Resources and setting up HTML editor

1. **Create a main folder name it my website**
2. **Create a subfolder name it images**
3. **Place website images in the subfolder named images**
4. **All HTML files in the main folder**

Worksheet 1: Simple HTML Page

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>HTML/CSS Lesson1</title>
</head>

<body>
    <!--Headings: In HTML, headings are used to
        designate the importance and hierarchy of
        a webpage's text content. →
    <h1>Heading 1</h1>
    <h2>Heading 2</h2>
    <h3>Heading 3</h3>
    <h4>Heading 4</h4>
    <h5>Heading 5</h5>
    <h6>Heading 6</h6>
```

Worksheet 1: Simple HTML Page

```html
<!--Paragraph: The p tag is used to designate a paragraph
    in HTML. It is one of the most frequently employed elements
    for structuring and formatting text on a web page.-->
<p>Paragarph text</p>

<!--Links-->
<a href="https://www.google.com">Link to GOOGLE</a>
<br>
<hr>
<!--images-->
<img src="LAYOUT_EXAMPLE/seo.png" alt="image about seo">
<hr>

<!--Lists-->
<ul>
   <li>List 1</li>
   <li>List 2</li>
   <li>List 3</li>
</ul>

<ol>
   <li>Item 1</li>
   <li>Item 2</li>
   <li>Item 3</li>
</ol>

<!--Division-->
<div>Content goes here</div>

<!--Horizontal rule-->
<hr>

</body>

</html>
```

ITDBS-306-2002: Web Design and Development Unit Level (MQF/EQF):
3 Credits: 6 Delivery Mode:
Fully Face-to-Face Learning Total Learning Hours:
150 Unit

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Worksheet 1: Simple HTML Page

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

Paragarph text

[Link to GOOGLE](#)

- List 1
- List 2
- List 3

1. Item 1
2. Item 2
3. Item 3

Content goes here