



QUICK-START TO WEBSITE DESIGN

SESSION 1: FUNDAMENTALS

06/02/2026

INTERNET AND WORLD WIDE WEB



- The Internet and World Wide Web (WWW) are not the same things, but they work together.
- The Internet is a global network of computers connected together for sharing information, sending messages, and access to services – such as e-shopping, social media, e-mail, streaming, etc.
- The WWW is a part or one of the services that runs on the Internet. It is a system that enables users to access documents and resources using web browsers through the HTTP protocol and URLs (web addresses).
- The Web was created by Tim Berners-Lee, a British computer scientist, in 1989-1990 to make information on the internet easier to access. He was also responsible for the creation of HTTP, URLs, and HTML.

WEB DESIGN TOOLS



Text Editors & IDEs

- Text editors are software applications used to create, view, and modify plain text files.
- An Integrated Development Environment (IDE) is a software application that provides tools for writing, debugging, testing, and maintaining code in one place, often with support for build and deployment workflows. Example, Visual Studio Code (VS Code).
- Download **VS Code** from:

<https://code.visualstudio.com/download>

Visual & Vibe Coding/AI Builders

WIX



Floot



Webflow

WEB DESIGN BASICS: HTML, CSS, & JAVASCRIPT

HTML



CSS



JavaScript



HTML: HyperText Markup Language

- HTML stands for HyperText **Markup** Language.
- HTML is the standard markup language for creating web pages.
- It defines the structure and content of a website.
- The current major version is HTML5.

Example: HTML Syntax

//

```
<!DOCTYPE html>
<html>
<head>
  <title>Page Title</title>
</head>
<body>
  <h1 id="greeting">This is a Heading</h1>
  <p>This is a paragraph.</p>

  <button onclick="sayHello()">Click Me</button>
</body>
</html>
```

//

CSS: Cascading Style Sheets

- CSS (Cascading Style Sheets) is a **stylesheet** language used to describe the presentation of a web page.
- Is it used to style and design web pages, including layout, colors, fonts, and spacing.
- The latest version is CSS3.

Example: CSS Syntax

```
//  
body {  
  background-color: orange;  
  font-family: Arial, sans-serif;  
}  
h1 {  
  color: blue; /* Color code: #2c3e50 */  
}  
p {  
  line-height: 1.5;  
}  
//
```

JavaScript

- JavaScript (JS) is a high-level, interpreted programming language used to make web pages interactive and dynamic
- It is supported by all popular web browsers.
- The official/standard name is ECMAScript.
- The latest version is ECMAScript 2023 (ES14).

Example: JavaScript Syntax

```
//  
// This is a JavaScript function  
function sayHello() {  
  
    document.getElementById("greeting").innerHTML = "Hello, World!";  
    alert("You clicked the button!");  
}  
  
sayHello();
```

//

