

# Module 1

A Quick Overview of Web  
Development

# Module Overview

- Brief description of HTML
- Client-side Programming vs Server-side programming
- Technologies used for web development

# Lesson 1: Brief Description of HTML

- HTML is an acronym for Hyper Text Markup Language.
- It is a markup language because it uses special markings known as elements in presenting its contents to users over the internet.
- It is a static language that determines the structure and semantic meaning of a web page.
- HTML is just the basic structure of the web. The other parts are CSS and JavaScript.

# An example HTML Page

## This is my Web Page

[Home](#) [About](#) [Contact](#)

### This is Section One

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### This is Section Two

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# HTML vs CSS vs JavaScript

HTML



CSS



JavaScript



# Client-side Programming

- This is a program that runs on the browser or one that a user can interact with.
- It also governs the behavior and appearance of the webpage.
- It also helps with creating interactive webpages and communicating with the server.

# Client-side Programming contd.

- Some of the basic functions of client-side programming includes:
  - Creating the layouts of websites
  - Applying designs to user interfaces
  - Adding visual elements such as colors, images
  - Adding form validation

# Client-side Technologies

- Some of the technologies used for client-side development includes:
  - HTML
  - CSS
  - JavaScript



# Server-side Programming

- Programs that runs on the web server are known as server-side programs.
- Theses programs enable us to create dynamic pages on the web
- Some of the things they do includes:
  - Processing user inputs from the client-side
  - Interaction with the database to return a response to the user

# Server-side Technologies

- The server-side or backend is created using some technologies and some of them includes:
  - JavaScript
  - Java
  - PHP
  - Ruby
  - Python

# Questions

- Review Questions