## IYIOZOR IFECHUKWU PAUL

## 2023/HND/36519/CS

## SOFTWARE AND WEB DEVELOPMENT DEPAREMENT ND 1

# HTML CSS AND JAVASCRIPT

[Hyper text markup language is a slandered markup language used to creat web page,it is the foundation of a web site, providing the structure and content that a web browsers display to users

COMMON HTML ELEMENTS INCLUDES;

.HEADING [h1-h6]

.PARAGRAPH [p]

.Link [a]

.IMAGES [img]

.LIST [li, ol, ul]

.FORM [form, input, text area]

.TABLES [table ,td]

.DISISION [div]

HTML is not a programming language, but a markup language that tells web browser how to display content.

HTML Document have three main parts.

1 Doctype declaration

2 HTML element [root element]

3 Head and body element [ contain metadata and content]

HTML is often used with CSS [style] and JavaScript [interactivity] to create dynamic web pages.

## HTML SOURCE CODE FOR MY PROJECT

<!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>Document</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <button class="btn">Click me</button>

    <p class="greeting\_1">Hello world </p>

    <p class="greeting\_2">Greeting  </p>

    <div class="container">

    </div>

    <script src="app.js">   </script>

</body>

</html>

CSS [cascading style sheet] is a styling language used to control the lay out and appearance of a web page written in HTML. It is used to separate the presentation of a document from its structure allowing for flexibility and maintainability.

CSS is used to .

1. Control layout

2. Apply visual style

3. Create responsive design

**CSS STYLE CAN BE APPLIED USING**

1 Inline style

2 Internal style

3 External style

CSS framework like bootstrap and Tailwind CSS provide pre-built classes and utilities to speed up development.

CSS is an essential tool for web development allowing developers to create visually appealing and user-friendly interface

## CSS SOURCE CODE

:root{

    --color: black;

    --background-color: rgb(255, 255, 255);

    --container-color: rgb(0, 0, 0);

}

.container {

*width*: 100px;

*height*: 100px;

*background-color*: var(--container-color);

}

body{

*background-color*: var(--background-color);

}

.greeting\_2 {

*color*: var(--color);

}

.greeting\_1{

*color*: var(--color)

}

.darkmode {

    --color: rgb(255, 255, 255);

    --background-color: rgb(0, 0, 0);

    --container-color: rgb(255, 255, 255);

}

JAVA SCRIPT is a high level, dynamic and interpreted programming language used for client side scripting on the web. It is executed by web browser allowing developers to create interactive and dynamic webpage.

Java script is used for:

1. Client-side scripting
2. Server side programming
3. Mobile desktop app development
4. Game development
5. IoT development

**JAVASCRIPT FEATURES**

1. Dynamic typing
2. First class functions
3. Prototype base inheritance
4. Async programming

**POPULAR JAVASCRIPT FRAME WORK AND LIBRARIES INCLUDE:**

1. React
2. Angular
3. Vue.js
4. jQuery
5. Node.js
6. Express.js
7. Ember.js

Javascript is an essential tools for web development, allowing developers to create engaging, interactive and dynamic user experiences.

## JAVASCRIPT SOURCE CODE

*let* btn = document.querySelector(".btn")

*function* togglemode(){

    document.body.classList.toggle("darkmode")

}

btn.addEventListener("click", togglemode )