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HTML & CSS

Introduction:

HTML:

HTML is Hyper Text Markup Language. It is considered as a standard markup language for creating web pages. With the help of HTML one can create their own website easily. HTML is the most basic building block of the Web. It defines the meaning and structure of web content. HTML describes the structure of the web page. HTML contains elements which tell the browser how to display the content.

Block & Inline Elements:

A block level element is an element which takes available content i.e., it will use 100% of the width of the webpage. It always starts in a new line. Whereas inline elements will take only content of the width. Inline elements will always comes side by side.

CSS:

CSS is Cascading Style Sheets. CSS is a style sheet language that helps us to style any HTML document. The CSS was designed to be accessible so anyone could create their own styled web pages on the internet. CSS can control the layout of multiple web pages all at once.

Flex Box:

Using flex box we can style responsive layout.

Tasks:

1. Created a HTML document called "index.html".
2. Created a CSS document called "index.css" and included in the index.html and also included font awesome 4.

```html
<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>ICP2</title>
    <!-- Including Custom Style Sheet -->
    <link href="index.css" rel="stylesheet">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
</head>
```

3. We have used a header, sidebar, main body and a footer in the page.

Header:

```html
<!-- Header Wrapper Starts Here -->
<header class="header">
    <nav>
        <ul class="nav-bar">
            <li><a href="#">HOME</a></li>
            <li><a href="#">ABOUT US</a></li>
            <li><a href="#">CONTACT US</a></li>
            <li><a href="#">FEATURES</a></li>
        </ul>
    </nav>
    <a href="#">SIGN IN</a>

</header>
<!-- Header Wrapper Ends Here -->
```

Side Bar:

```html
<!-- Side Bar Starts Here -->
<aside class="sidebar">
    <!-- Unordered List Starts Here -->
    <ul>
        <li>list item 1</li>
        <li>list item 2</li>
        <li>list item 3</li>
        <li>list item 4</li>
    </ul>
    <!-- Unordered List Ends Here -->
    <!-- Unordered List Starts Here -->
    <ol>
        <li>list item 1</li>
        <li>list item 2</li>
        <li>list item 3</li>
        <li>list item 4</li>
    </ol>
    <!-- Unordered List Ends Here -->
</aside>
<!-- Side Bar Ends Here -->
```

Footer:

```html
<!-- Footer Starts Here -->
<footer class="footer">
    <h1>This is a Footer</h1>

</footer>
<!-- Footer Ends Here -->
```
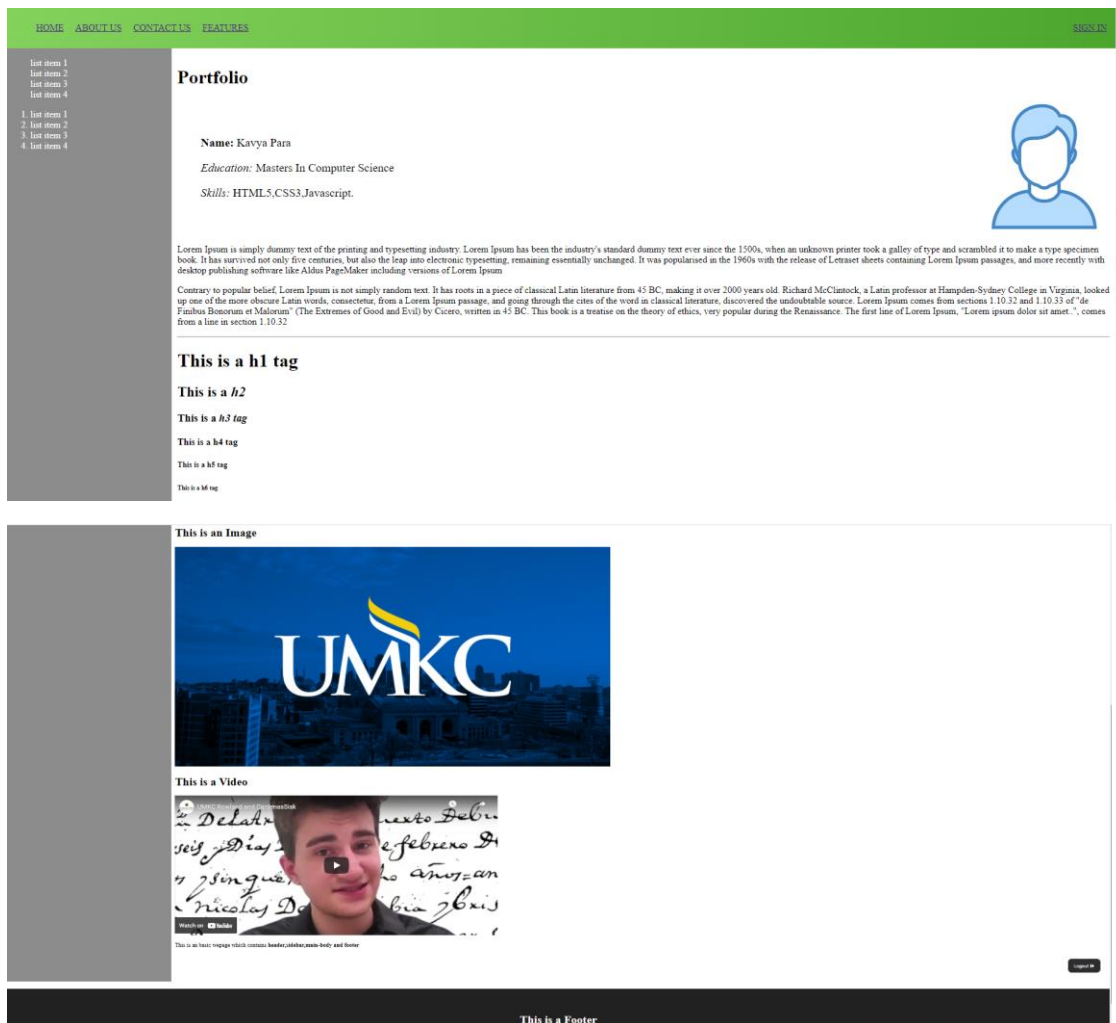
4. Introduced two sample paragraphs.
5. Used the ordered and unordered list in the page.
6. Used div and span elements.
7. Used block and inline elements.
8. Used a sample image, if we click on the image it will redirect to location of the image in a new tab.

```html
<!-- Image Section Starts Here -->
<h1>This is an Image</h1>
<a href="https://umkc.edu/global-assets/images/social%20cards/social-large_1200x630.jpg" target="_blank">
    <img src="https://umkc.edu/global-assets/images/social%20cards/social-large_1200x630.jpg" alt="image">
</a>
<!-- Image Section Ends Here -->
```

9. Used a sample youtube video. The video have controls like play, pause, etc.

```html
<!-- Video Section Starts Here -->
<div class="video-wrapper">
    <h1>This is a Video</h1>
    <iframe height="400" width="890" src="https://www.youtube.com/embed/0oOWA8s_G1Q"
        title="YouTube video player" frameborder="0"
        allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture"
        allowfullscreen></iframe>
</div>
<!-- Video Section Ends Here -->
```

Output:

Contributions:

We have contributed equally.