Training Report - Web Development Training

Day 2: HTML Elements and Attributes

Date: 6/6/24

Summary of the Day: On the second day of our web development training, we delved deeper into HTML elements and attributes. We explored various basic tags such as paragraphs, headings, lists, links, sections, and images. Additionally, we were tasked with creating our first HTML page using the knowledge we acquired over the first two days. The day was insightful, adding more tools to our web development toolkit and allowing us to apply what we've learned in a practical exercise.

Detailed Notes:

1. HTML Elements and Attributes:

- **HTML Elements:**
    - An HTML element is defined by a start tag, some content, and an end tag.
    - Example:

```
<p>This is a paragraph</p>
```

- **HTML Attributes:**
    - Attributes provide additional information about HTML elements.
    - They are always included in the opening tag and usually come in name/value pairs.
    - Example:

```
<a href="https://www.example.com">Visit Example</a>
```

2. Basic HTML Tags:

- **Paragraph (`<p>`):**

```
<p>This is a paragraph</p>
```

    - Used to define a block of text.
- **Headings (`<h1>` to `<h6>`):**

```
<h1>This is an H1 heading</h1>
<h2>This is an H2 heading</h2>
```

    - Used to define headings of different levels, with `<h1>` being the most important and `<h6>` the least.
- **Ordered List (`<ol>`) and Unordered List (`<ul>`):**

```
<ol>
  <li>First item</li>
  <li>Second item</li>
</ol>

<ul>
  <li>First item</li>
  <li>Second item</li>
</ul>
```

- o   `<ol>` is used for ordered lists with numbers.
- o   `<ul>` is used for unordered lists with bullets.
- o   `<li>` is used to define each list item.
- **Links (`<a>`):**

```
<a href="https://www.example.com">Visit Example</a>
```

- o   The `<a>` tag defines a hyperlink.
- o   The `href` attribute specifies the URL of the page the link goes to.
- **Sections (`<section>`):**

```
<section>
  <h1>Section Title</h1>
  <p>Section content goes here.</p>
</section>
```

- o   The `<section>` tag defines a section in a document, typically with a heading.
- **Images (`<img>`):**

```
<img src="image.jpg" alt="Description of image">
```

- o   The `<img>` tag is used to embed an image in an HTML page.
- o   The `src` attribute specifies the path to the image.
- o   The `alt` attribute provides an alternative text for the image if it cannot be displayed.

- **Objective:**
  - o   Apply the knowledge gained from the first two days to create a structured HTML page
  - o   Also read and learn about the bootstrap and w3school

Reflection: Today's session built on the foundational knowledge from yesterday by introducing essential HTML elements and attributes. Understanding how to use these tags effectively will be crucial as we progress. Practicing by creating structured and well-organized HTML documents reinforced the concepts learned. I look forward to exploring more complex HTML features in the upcoming sessions.