



**Daffodil**  
*International*  
**University**

## LAB REPORT 01

Course Code	CSE 415
Course Title	Web Engineering
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## Tag 1: <h1>

**Description:** Largest heading

**Common Attributes:** id, class, style

**Code Snippet:**

```
<h1>This is a Heading 1</h1>
```

**Output:**

**This is a Heading 1**

**Influence:** Improves SEO and page structure; grabs user attention

---

## Tag 2: <p>

**Description:** Paragraph container

**Common Attributes:** id, class, style, align

**Code Snippet:**

```
<p>This is a paragraph of text.</p>
```

**Output:**

This is a paragraph of text.

**Influence:** Organizes content; enhances readability and flow

---

## Tag 3: <a>

**Description:** Defines a hyperlink

**Common Attributes:** href, target, title, class, id

**Code Snippet:**

```
<a href="https://www.google.com" target="_blank">sample_web.com</a>
```

**Output:**

[sample\\_web.com](https://www.google.com)

**Influence:** Enables navigation; key for linking pages and SEO


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## Tag 4: <img>

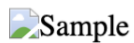
**Description:** Embeds an image

**Common Attributes:** src, alt, width, height, class, id

**Code Snippet:**

```
<body style="background-color:  lightblue;"></body>
```

**Output:** Displays a placeholder image (100x100)



**Influence:** Visual content delivery; essential for UX and SEO (via alt)

---

## Tag 5: <b>

**Description:** Bold text (non-semantic)

**Common Attributes:** id, class, style

**Code Snippet:**

```
<b>Bold Text</b>
```

**Output:** Bold Text

**Bold Text**

**Influence:** Highlights words visually, not semantically

---

## Tag 6: <i>

**Description:** Italic style (non-semantic)

**Common Attributes:** id, class, style

**Code Snippet:**

```
<i>Italic Text</i>
```

**Output:** *Italic Text*

*Italic Text*

**Influence:** Adds subtle emphasis or stylistic difference

---

### Tag 7: <u>

**Description:** Underlines content

**Common Attributes:** id, class, style

**Code Snippet:**

```
<u>Underlined Text</u>
```

**Output:** Underlined Text

Underlined Text

**Influence:** Mimics links or emphasizes specific text

---

### Tag 8: <strong>

**Description:** Important (semantically bold) text

**Code Snippet:**

```
<strong>Important Text</strong>
```

**Output:** Important Text

**Important Text**

**Influence:** SEO and accessibility emphasis (screen readers recognize it)

### Tag 9: <em>

**Description:** Emphasis (semantically italic)

**Code Snippet:**

```
<em>Emphasized Text</em>
```

**Output:** *Emphasized Text*

*Emphasized Text*

**Influence:** SEO, accessibility, adds spoken stress

### Tag 10: <mark>

**Description:** Highlights content

**Code Snippet:**

```
<mark>Highlighted Text</mark>
```

**Output:** Highlighted Text

Highlighted Text

**Influence:** Makes important text stand out for reading or UX

---

### **Tag 11: <del>**

**Description:** Shows deleted/removed content

**Code Snippet:**

```
<del>Deleted Text</del>
```

**Output:** Deleted Text

~~Deleted Text~~

**Influence:** Indicates outdated or removed content (especially in edits)

### **Tag 12: <ins>**

**Description:** Indicates newly inserted content

**Code Snippet:**

```
<ins>Inserted Text</ins>
```

**Output:** Inserted Text

Inserted Text

**Influence:** Highlights updates or changes in a document

---

### **Tag 13: <sub>**

**Description:** Subscript text

**Code Snippet:**

```
H<sub>2</sub>O
```

**Output:** H<sub>2</sub>O

H<sub>2</sub>O

**Influence:** Used in chemical formulas or footnotes

---

### **Tag 14: <sup>**

**Description:** Superscript text

**Code Snippet:**

```
E = mc<sup>2</sup>
```

**Output:**

E = mc<sup>2</sup>

**Influence:** Used for mathematical notation, exponents, etc.

### **Tag 15: <br>**

**Description:** Line break

**Code Snippet:**

```
Line 1<br>Line 2
```

**Output :**Line 1

Line 2

Line 1  
Line 2

**Influence:** Forces line breaks in content flow

---

### **Tag 16: <hr>**

**Description:** Horizontal rule for separation

**Code Snippet:**

```
<hr>
```

**Output:** A horizontal line across the page



**Influence:** Visually separates sections of content



## **Tag 17: <code>**

**Description:** Inline code formatting

**Attributes:** action, method

**Code Snippet:**

```
<code>print("My name is Afsar")</code>
```

**Output:** ("My name is Afsar")

```
("My name is Afsar")
```

**Influence:** Denotes programming or technical syntax



## **Tag 18: <pre>**

**Description:** Preformatted text

**Attributes:** type, name, value

**Code Snippet:**

```
<pre>
  Line one
  Line two
</pre>
```

**Output:** Line one

Line two

```
Line one  
Line two
```

**Influence:** Maintains original spacing and layout

---

## **Tag 19: <blockquote>**

**Description:** Long quotations

**Code Snippet:**

```
<blockquote>This is a quote.</blockquote>
```

**Output:** This is a quote.

```
This is a quote.
```

**Influence:** Semantic quoting; adds indentation

## **Tag 20: <abbr>**

**Description:** Abbreviation with full form tooltip

**Code Snippet:**

```
<abbr title="World Health Organization">WHO</abbr>
```

**Output:** WHO (hover to see title)

```
WHO
```

**Influence:** Improves clarity and accessibility

---

## **Tag 21: <cite>**

**Description:** Cites a work title

**Code Snippet:**

```
<cite>The Great Gatsby</cite>
```



**Output:** *The Great Gatsby*

*The Great Gatsby*

**Influence:** Adds context and authority to sources

---

## **Tag 22: <q>**

**Description:** Short inline quotations

**Code Snippet:**

```
<q>Inline quote</q>
```

**Output:** “Inline quote”

“Inline quote”

**Influence:** Adds quotation marks automatically

---

## **Tag 23: <button>**

**Description:** Table data/cell

**Code Snippet:**

```
<button>Click Me</button>
```

**Output:** A clickable **Click Me** button

Click Me

**Influence:** Triggers actions, submits forms, enhances UX

---

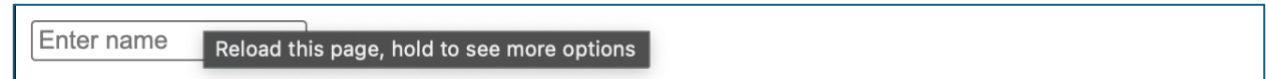
## **Tag 24: <input>**

**Description:** Accepts user input

**Code Snippet:**

```
<input type="text" placeholder="Enter name">
```

**Output:** A single-line text input field



**Influence:** Core form component for data collection

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## **Tag 25: <label>**

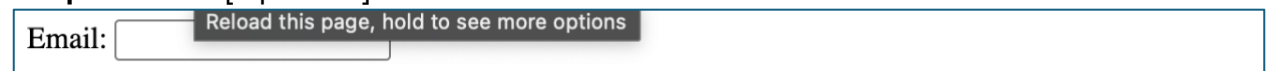
**Description:** Labels a form element

**Common Attributes:** src, width, height

**Code Snippet:**

```
<label for="email">Email:</label>
<input id="email" type="email">|
```

**Output:** Email: [input box]



**Influence:** Enhances accessibility and form usability

## **Tag 26: <select>**

**Description:** Dropdown selector

**Code Snippet:**

```
<select>
  <option>One</option>
  <option>Two</option>
</select>|
```

**Output:** A dropdown menu with two options



**Influence:** Allows users to pick from defined options

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## **Tag 27: <textarea>**

**Description:** Multi-line text input

**Code Snippet:**

```
<textarea rows="3" cols="30">Type here...</textarea>|
```

**Output:** A multiline input box

**Influence:** Useful for longer user input (e.g. comments)

---

## **Tag 28: <div>**

**Description:** Generic block container

**Common Attributes:** name, content, charset

**Code Snippet:**

```
<div>This is a container</div>
```

**Output:** Output: This is a container

This is a container

**Influence:** Essential for layout, grouping, styling

---

## **Tag 29: <link>**

**Description:** Links external resources (like CSS)

**Common Attributes:** rel, href, type

**Code Snippet:**

```
<link rel="stylesheet" href="styles.css">
```

**Output:** Not visible; applies CSS

**Influence:** Adds styling to the website via external files.

---

## **Tag 30: <title>**

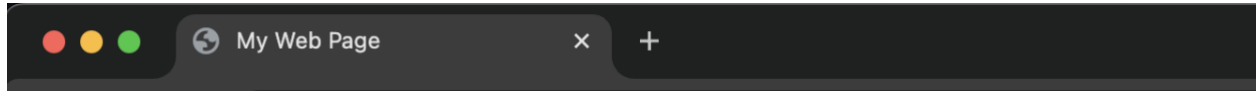
**Description:** Sets page title (inside <head>)

**Common Attributes:** src, type

**Code Snippet:**

```
<title>My Web Page</title>
```

**Output:** Sets the browser tab title to “My Web Page”



**Influence:** Affects SEO and browser tab name