



Green University of Bangladesh
Department of Computer Science and Engineering
(CSE)

Faculty of Sciences and Engineering
Semester: (Spring, 2024), B.Sc. in CSE (Day)

LAB REPORT NO #01

Course Title: Web Programming Lab
Course Code: CSE-302 **Section: 213-D2**

Lab Experiment Name:
Implementation of HTML Type Attribute and Definition List.

Student Details

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Lab Date : **4th March, 2024**
Submission Date : **11th March, 2024**
Course Teacher's Name : **MOHAIMEN KHAN**

Lab Report Status

Marks:

Signature:

Comments:

Date:

1. TITLE OF THE EXPERIMENT:

Implementation of HTML Type Attribute and Definition List.

2. Introduction:

HTML (Hypertext Markup Language) is the standard language used to create web pages. Understanding its various elements and attributes is crucial for web developers. In this lab, we focus on implementing two key aspects of HTML: the type attribute and the definition list (<dl>, <dt>, <dd>).

3. OBJECTIVES:

The goals of this lab report encompass the acquisition of knowledge related to the following areas:

- To understand the purpose and usage of the type attribute in HTML.
- To learn how to create definition lists (<dl>) and its components (<dt> for terms, <dd> for definitions).

4. PROCEDURE:

1. **Understanding the Type Attribute:** Begin by reviewing the documentation and examples that demonstrate how the type attribute is used in HTML. This step will help in grasping its functionality and applications within input fields.
2. **Creating a Definition List:** Familiarize yourself with the structure and purpose of definition lists in HTML. Understanding how definition lists are organized and utilized will provide a foundation for implementing them effectively in your web pages.
3. **Implementing the Type Attribute:** Apply the knowledge gained to incorporate the type attribute into various HTML elements. Experiment with different types of input fields to observe how the type attribute influences their behavior and appearance.
4. **Building a Definition List:** Utilize the <dl>, <dt>, and <dd> elements to construct a definition list. Populate the list with terms and their corresponding definitions, ensuring clarity and coherence in the presentation of information.

5. IMPLEMENTATIONS:

- Type Attribute Implementation:

```
1  <body>
2
3      <label for="username">Username:</label>
4      <input type="text" ><br><br>
5
6      <label for="password">Password:</label>
7      <input type="password" ><br><br>
8
9      <label for="email">Email:</label>
10     <input type="email" ><br><br>
11
12     <label for="quantity">Quantity:</label>
13     <input type="number" min="1" max="10"><br><br>
14
15     <label for="birthdate">Date of Birth:</label>
16     <input type="date" ><br><br>
17
18     <label for="file">Upload File:</label>
19     <input type="file"><br><br>
20
21     <label for="color">Favorite Color:</label>
22     <input type="color" ><br><br>
23
24 </body>
```

Output:→

Lab Report 1 X


← → ↻ http://127.0.0.1:3000/WEB PROGRAMMING/lab1.html

Username:

Password:

Email:

Quantity:

Date of Birth: 

Upload File: No file chosen

Favorite Color:

- **Definition List Implementation:**

```
1 <body>
2   <dl>
3     <dt>Green University of Bangladesh (GUB)</dt>
4     <dd>A leading private university in Bangladesh located in Dhaka.</dd>
5
6     <dt>Faculties</dt>
7     <dd>
8       <ul>
9         <li>Faculty of Science and Engineering</li>
10        <li>Faculty of Business Studies</li>
11        <li>Faculty of Arts and Social Sciences</li>
12      </ul>
13    </dd>
14
15    <dt>Academic Programs</dt>
16    <dd>
17      <ul>
18        <li>Bachelor's Degrees</li>
19        <li>Master's Degrees</li>
20        <li>Doctoral Degrees</li>
21        <li>Diploma and Certificate Courses</li>
22      </ul>
23    </dd>
24
25    <dt>Community Engagement</dt>
26    <dd>GUB actively participates in community development programs and social welfare activities, contributing to the betterment of society.</dd>
27  </dl>
28 </body>
```

Output→

Lab Report 2 ×

http://127.0.0.1:3000/WEB PROGRAMMING/Lab2.html

Green University of Bangladesh (GUB)

A leading private university in Bangladesh located in Dhaka.

Faculties

- Faculty of Science and Engineering
- Faculty of Business Studies
- Faculty of Arts and Social Sciences

Academic Programs

- Bachelor's Degrees
- Master's Degrees
- Doctoral Degrees
- Diploma and Certificate Courses

Community Engagement

GUB actively participates in community development programs and social welfare activities, contributing to the betterment of society.

6. ANALYSIS AND DISCUSSION:

The Type Attribute is important because it allows developers to accurately describe the intended data type within input fields, which improves user experience and facilitates data validation.

Definition lists are useful tools for arranging and presenting glossary-style material on web sites, hence improving content clarity and organisation.

To summarise, this laboratory experiment has provided useful insights into the real implementation of both the type attribute and definition lists in HTML. Engaging with these core principles in web programming has enhanced our understanding, creating a solid platform for future research and progress in this subject.