Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Spring, Year:2024), B.Sc. in CSE (Day)

Lab Report NO #2
Course Title: Web Programming Lab
Course Code: CSE 302   Section: 213 D5

Lab Experiment Name:
Creating Lists, Table, Forms using HTML Tags

Student Details

	Name	ID
1.	Md. Roman Nihal	211902003

Lab Date   : 2 March 2024
Submission Date   : 16 march 2024
Course Teacher's Name   : Mahjabin Rahman Oishe

<table>
<tr><td colspan="2" align="center"><u>Lab Report Status</u></td></tr>
<tr><td>Marks: ……………………………</td><td>Signature: ……………</td></tr>
<tr><td>Comments: ……………………….</td><td>Date: …………………</td></tr>
</table>

1. TITLE OF THE LAB REPORT EXPERIMENT

Creating Lists, Table, Forms using HTML Tags.

2. OBJECTIVES/AIM

Our objectives are:
- To implement tables using various attributes like rowspan and colspan using HTML
- To implement an interactive form using HTML.

3. PROCEDURE / ANALYSIS / DESIGN

Table Tag (<table>):
- <caption>: Supplies a caption or summary for the table.
- <tr>: Denotes a row in the table.
- <th>: Defines a header cell in a table row (optional but recommended).
- <td>: Represents a standard cell in a table row.
- rowspan: Specifies the number of rows a cell should span vertically.
- colspan: Specifies the number of columns a cell should span horizontally.

Form Tag (<form>):
- <input>: Creates various types of input fields, such as text, password, checkbox, radio, etc.
- <label>: Links a text label to an input field, enhancing both accessibility and usability.
- <textarea>: Establishes a multiline text input field.
- <button>: Generates a clickable button, typically used for form submission or triggering other actions.
- <select>: Produces a dropdown list for user selection.

4. IMPLEMENTATION AND TEST RESULT / OUTPUT

Code:

```
<!DOCTYPE html> <html lang="en">
<head> <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="table.css"> <title>Document</title> </head>
<body>
  <h1 class="tHead">Class Routine</h1> <h3 class="tHead">Teacher Name: Mahjabin Rahman Oishe</h3>
  <h4 class="tHead">Department of Computer Science & Engineering</h4>
  <h3 class="tHead">Green University of Bangladesh</h3>
  <table id="table_1">
    <tr> <th>Time</th> <th rowspan="2">08.30-10.00</th>
      <th rowspan="2">10.00-11.30</th> <th rowspan="2">11.30-01.00</th> <th rowspan="2">01.30-03.00</th>
```

```html
    <th rowspan="2">03.00-04.30</th> <th rowspan="2">04.30-06.00</th> </tr>
  <tr> <th>Day</th> </tr>
  <tr> <th>Monday</th> <td colspan="2">CSE 300 <br>B-1005 </td>
    <td colspan="2">Counseling Hour</td> <td colspan="2">Various committee meetings </td> </tr>
  <tr> <th>Tuesday</th> <td></td> <td>Counseling Hour</td>
    <td colspan="2">Meeting with Thesis/Project Students</td> <td></td> <td></td> </tr>
  <tr> <th>Wednesday</th> <td colspan="2">CSE 201 <br>B-411 </td>
    <td colspan="2">CSE 301 <br>D-702</td> <td colspan="2">Various committee meetings </td> </tr>
  <tr> <th>Thursday</th> <td></td> <td></td> <td colspan="2">Meeting with Thesis/Project Students</td>
    <td colspan="2">Weekly AC Meeting</td> </tr>
  <tr> <th>Friday</th> <td colspan="2">CSE 312 <br>B-802 </td>
    <td colspan="2">CSE 311 <br>D-411</td> <td colspan="2">Counseling Time </td> </tr>
</table> </body> </html>
```

CSS:

```css
.tHead {
    text-align: center;
}
table, th, td {
    border: 1px solid;
    text-align: center;
}
```

Output:

Code:

```html
<!DOCTYPE html> <html lang="en">
<head> <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title> </head>
<body>
    <h1>Login Form</h1>
    <form action="">
```

```
    <label    for="uName">Username:    <input    type="text"    id="uName"    placeholder="Enter    Your    Username"
required></label> <br><br>
    <label for="pass">Password: <input type="password" id="pass" placeholder="Enter Your Username" maxlength="8"
required></label> <br><br>
    <input type="submit" value="Submit"> </form>
</body> </html>
```

Output:

Login Form

Username: [Enter Your Username]

Password: [Enter Your Username]

[Submit]

6. <u>ANALYSIS AND DISCUSSION</u>

The first HTML document presents a class routine for a teacher named Mahjabin Rahman Oishe from the Department of Computer Science & Engineering at Green University of Bangladesh. It is well-structured with clear headings and a table layout, enhancing readability and comprehension. The class routine provides essential information such as class timings, subjects, and locations in an easy-to-interpret tabular format. The rowspan and colspan attributes are used effectively to span cells across multiple rows or columns. The CSS styles, defined externally in table.css, are applied to the HTML elements using class selectors (.tHead) and element selectors (table, th, td). These CSS rules center the text in the table headers and data cells, and also apply a border to the table, headers, and data cells, enhancing the visual presentation of the table.

The second HTML document includes a simple login form with fields for username and password, and a submit button. While the form structure is correct, it lacks functionality as the action attribute is not set to a server-side script (like a PHP or ASP file) that can process the form data.

7. <u>SUMMARY</u>

In summary, both documents are well-structured and organized, but there are areas for improvement in terms of functionality, accessibility, and visual design. The provided CSS enhances the visual presentation of the first document, but the second document lacks functionality and accessibility features. To make it functional, the action attribute should be set to a valid URL where the form data can be processed upon submission. The form could also be improved by adding aria-label attributes for better accessibility.