

**University of Jeddah**

**College of Computer Science and Engineering**

**Department of Cybersecurity**



## **StudyBuds**

**WEB DEVELOPMENT**

**Course Number CCSW321**

**Section CY1**

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**All Group Members have worked together on this document (Shared Document)**

**All work on the project codes was done at the university together.**

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## **1. Introduction**

Study Buds is an innovative web platform designed to enhance collaborative learning among students by facilitating the creation and management of study groups. The platform connects students with shared academic interests, providing an environment for teamwork, idea exchange, and improved educational outcomes.

## **2. Objectives**

The primary goals of Study Buds are:

- **Foster Collaboration:** Encourage teamwork among students by connecting peers with similar academic goals.
- **Streamline Group Management:** Simplify the process of creating, managing, and joining study groups.
- **Enhance Academic Achievement:** Provide tools to make learning more interactive and effective.
- **Inclusive Environment:** Ensure accessibility and inclusivity by allowing customization for various academic disciplines.



### **3. Features**

#### **3.1.Core Features**

- **User Registration and Login**
  - ❖ Students can register and create personalized accounts.
  - ❖ Secure login system with password protection.
- **Create Study Groups**
  - ❖ Users can create custom study groups based on subject, schedule, and interests.
  - ❖ Groups have detailed descriptions to attract like-minded peers.
- **Available Groups**
  - ❖ Explore and filter existing groups by subject or interest.
  - ❖ Clear presentation of group details such as schedule and purpose.
- **Manage Groups**
  - ❖ Users can view and leave the groups they are part of.
  - ❖ Group creators have administrative control over their groups.
- **Contact and Support**
  - ❖ Contact page with a form for user inquiries.
  - ❖ Direct email link for immediate support.



### **3.2. Additional Features**

- **Responsive Design:** Optimized for accessibility across devices (mobile, tablet, and desktop).
- **Secure User Data:** Adherence to best practices for data security and user privacy.
- **Team Member Profiles:** Showcase of developers' contributions with LinkedIn links.

**University of Jeddah**

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# Phase 1



## The code of HTML:

- Home Code:

```

File Edit Selection View Go Run Terminal Help <- > Untitled (Workspace)
EXPLORER ... About_Us.html Available_Groups.html Contact_Us.html index.html ✘ Login.html Profile.html Sign_Up.html
UNTITLED (WORKSPACE) CSS # styles.css
HTML About_Us.html Available_Groups.html Contact_Us.html Create_Study_Group.html
index.html Login.html Profile.html Sign_Up.html MEDIA logo1.png
<!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="../CSS/styles.css">
    <title>Study Buds - Home</title>
</head>
<body>
    <header>
        <div class="logo-container">
            
            <h1 id="SB">StudyBuds</h1>
        </div>
    </header>
    <main>
        <h1>Welcome to Study Buds</h1>
        <p>Find Your Study Group</p>
        <p>Connect with peers and enhance your learning experience.</p>
        <p><a href="Login.html" class="Button">Login</a></p>
        <p><a href="Sign_Up.html" class="Button">Sign up</a></p>
    </main>
    <footer>
        <nav>
            <ul>
                <li><a href="About_Us.html">About</a></li>
                <li><a href="Contact_Us.html">Contact</a></li>
            </ul>
        </nav>
        <p>© 2024 Study Buds. All rights reserved.</p>
    </footer>
</body>
</html>

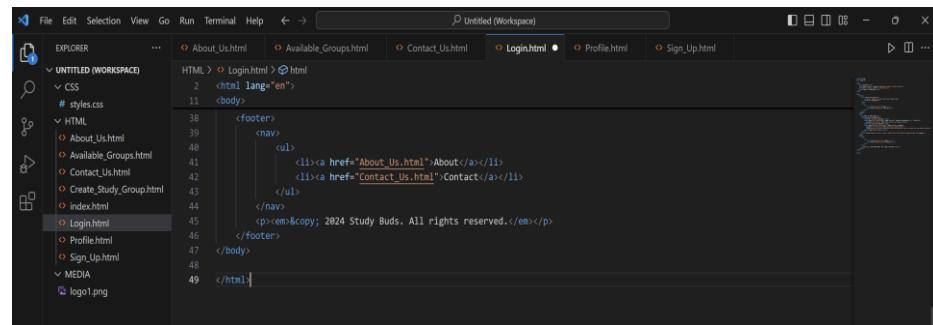
```

- Login Code:

```

File Edit Selection View Go Run Terminal Help <- > Untitled (Workspace)
EXPLORER ... About_Us.html Available_Groups.html Contact_Us.html Login.html ✘ Profile.html Sign_Up.html
UNTITLED (WORKSPACE) CSS # styles.css
HTML About_Us.html Available_Groups.html Contact_Us.html Create_Study_Group.html
index.html Login.html Profile.html Sign_Up.html MEDIA logo1.png
<!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="../CSS/styles.css">
    <title>Login - Study Buds</title>
</head>
<body>
    <header>
        <div class="logo-container">
            
            <h1 id="SB">StudyBuds</h1>
        </div>
    </header>
    <nav>
        <ul>
            <li><a href="index.html">Home</a></li>
            <li><a href="Sign_Up.html">Sign Up</a></li>
        </ul>
    </nav>
    <main>
        <h2>Login to Study Buds</h2>
        <form action="#" method="POST">
            <label for="username">Username:</label>
            <input type="text" id="username" name="username" required placeholder="e.g., Mashaer123" pattern="^A-Za-z\d+$" title="Only letters and numbers allowed.">
            <label for="password">Password:</label>
            <input type="password" id="password" name="password" required pattern="^(?=.*[0-9])(?=.*[!@#$%^&*])[A-Za-z\d!@#$%^&*]{8,}" title="Must be at least 8 characters long and include at least one number and one special character.">
            <button type="submit">Log In</button>
        </form>
        <br><a href="Profile.html" title="temporary link for phase1">click to view the rest of the pages</a>
    </main>
    <footer>
        <nav>

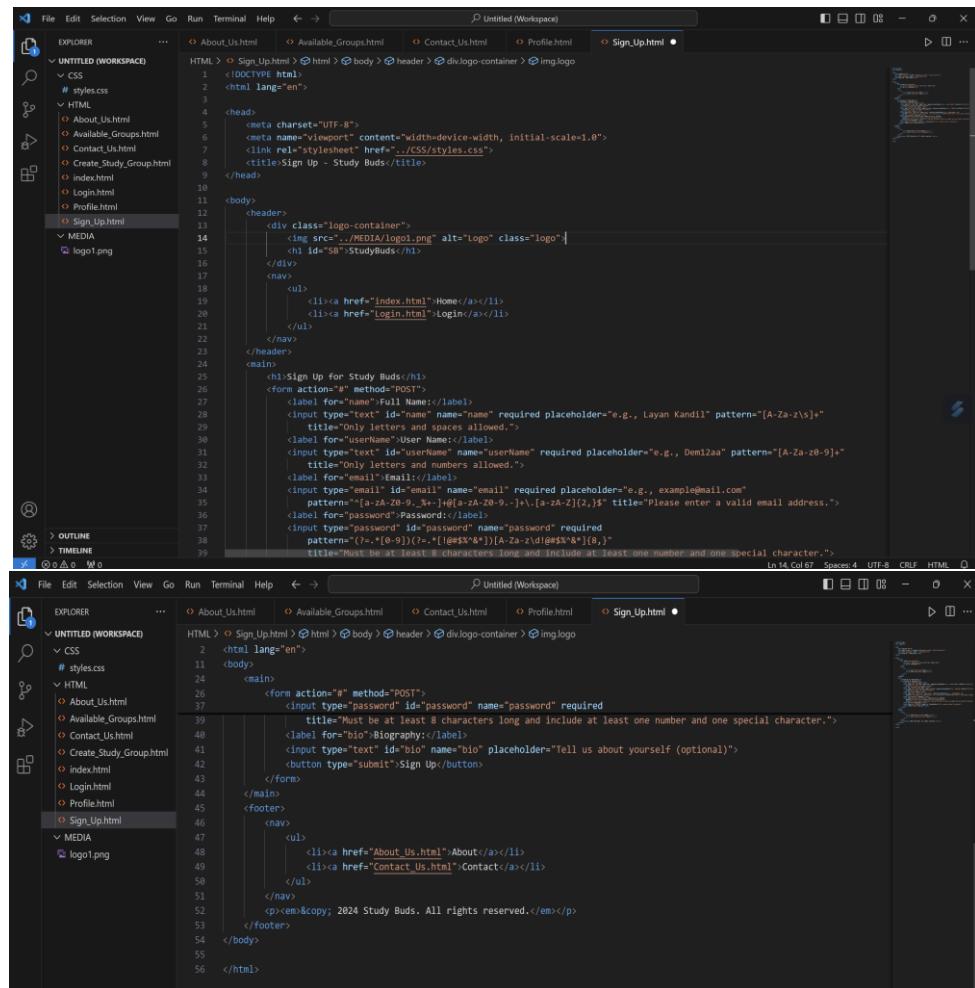
```



```

<html lang="en">
  <head>
    ...
  </head>
  <body>
    ...
    <footer>
      <nav>
        <ul>
          <li><a href="About_Us.html">About</a></li>
          <li><a href="Contact_Us.html">Contact</a></li>
        </ul>
      </nav>
      <p>&copy; 2024 Study Buds. All rights reserved.</p>
    </footer>
  </body>
</html>
  
```

- Signup Code:



```

<html lang="en">
  <head>
    ...
  </head>
  <body>
    ...
    <div class="logo-container">
      
    </div>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="Login.html">Login</a></li>
      </ul>
    </nav>
  </body>
</html>
  
```

```

<html lang="en">
  <head>
    ...
  </head>
  <body>
    ...
    <form action="#" method="POST">
      <label for="name">Full Name</label>
      <input type="text" id="name" name="name" required placeholder="e.g., Layan Kandil" pattern="^A-Za-z\s*$" title="Only letters and spaces allowed.">
      <label for="username">User Name</label>
      <input type="text" id="username" name="username" required placeholder="e.g., Dem12aa" pattern="^A-Za-z0-9$" title="Only letters and numbers allowed.">
      <label for="email">Email</label>
      <input type="email" id="email" name="email" required placeholder="e.g., example@mail.com" pattern="^([a-zA-Z0-9_\.\-]+@[a-zA-Z0-9\.\-]+\.[a-zA-Z]{2,})$" title="Please enter a valid email address.">
      <label for="password">Password:</label>
      <input type="password" id="password" name="password" required pattern="^(?=.*[0-9])(?=.*[!@#$%^&*])[A-Za-z\d!*%$]{8,}" title="Must be at least 8 characters long and include at least one number and one special character.">
    </form>
  </body>
</html>
  
```

```

<html lang="en">
  <head>
    ...
  </head>
  <body>
    ...
    <form action="#" method="POST">
      <input type="password" id="password" name="password" required
        title="Must be at least 8 characters long and include at least one number and one special character.">
      <label for="bio">Biography:</label>
      <input type="text" id="bio" name="bio" placeholder="Tell us about yourself (optional)">
      <button type="submit">Sign Up</button>
    </form>
    <nav>
      <ul>
        <li><a href="About_Us.html">About</a></li>
        <li><a href="Contact_Us.html">Contact</a></li>
      </ul>
    </nav>
    <p>&copy; 2024 Study Buds. All rights reserved.</p>
  </body>
</html>
  
```

- About Us Code:

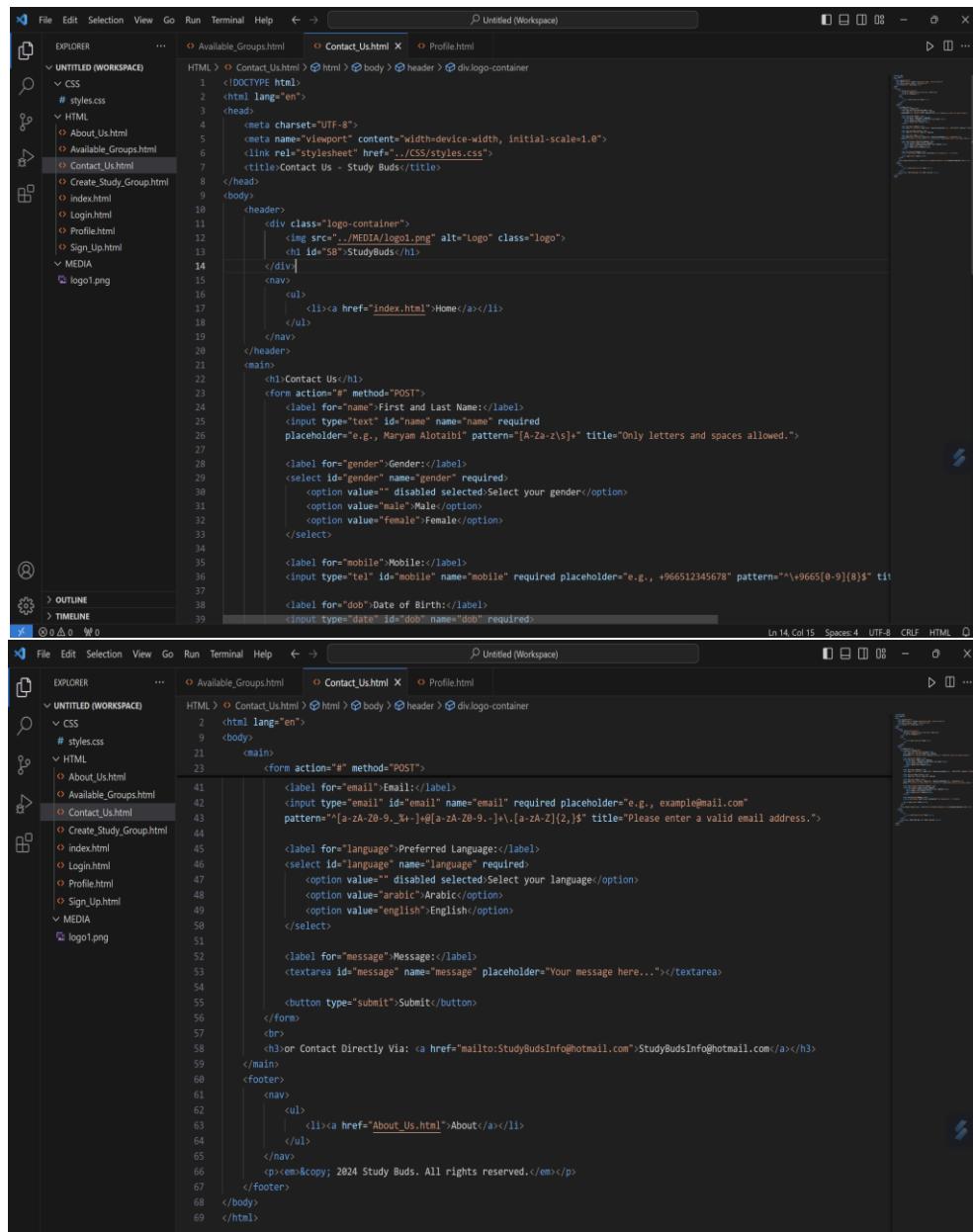
The image displays two screenshots of a code editor showing the source code for the 'About\_Us.html' file. Both screenshots show nearly identical code, with minor differences in line numbers and some specific URL links.

```

<!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="../CSS/styles.css">
    <title>About Us - Study Buds</title>
  </head>
  <body>
    <header>
      <div class="logo-container">
        
        <h1 id="SB">StudyBuds</h1>
      </div>
      <nav>
        <ul>
          <li><a href="index.html">Home</a></li>
        </ul>
      </nav>
    </header>
    <main>
      <h1>About Us</h1>
      <h3>about_text</h3>
      <p>StudyBuds is a platform designed to connect students together to form effective study groups</p>
      <br>
      <h3>Meet the Team</h3>
      <table>
        <thead>
          <tr>
            <th>Developers Name</th>
            <th>ID</th>
            <th>LinkedIn</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>Deema Alshehri</td>
            <td>22110908</td>
            <td><a href="https://www.linkedin.com/in/deemal123456789/source/shell/share_via?url=https://www.studybuds.com/in/deemal123456789_campaign=share_via&utm_content=profile">View Profile</a></td>
          </tr>
          <tr>
            <td>Layan Kandil</td>
            <td>2210192</td>
            <td><a href="https://www.linkedin.com/in/layan-kandil-a16454181?utm_source=share&utm_campaign=share_via&utm_content=profile">View Profile</a></td>
          </tr>
          <tr>
            <td>Mashaer Aldeghalbi</td>
            <td>2211175</td>
            <td><a href="https://www.linkedin.com/in/mashaer-aldeghalbi-062a162b7?utm_source=share&utm_campaign=share_via&utm_content=profile">View Profile</a></td>
          </tr>
          <tr>
            <td>Maryam Alotaibi</td>
            <td>2212788</td>
            <td><a href="https://www.linkedin.com/in/mrym01?utm_source=share&utm_campaign=share_via&utm_content=profile">View Profile</a></td>
          </tr>
        </tbody>
      </table>
      <footer>
        <nav>
          <ul>
            <li><a href="Contact_Us.html">Contact</a></li>
          </ul>
        </nav>
        <p>© 2024 Study Buds. All rights reserved.</p>
      </footer>
    </main>
  </body>
</html>

```

- Contact Us Code:



```

File Edit Selection View Go Run Terminal Help < - > Untitled (Workspace)
EXPLORER ... Available_Groups.html Contact_Us.html Profile.html
  UNTITLED (WORKSPACE)
    CSS # styles.css
    HTML
      About_Us.html Available_Groups.html Contact_Us.html
      Create_Study_Group.html index.html Login.html Profile.html Sign_Up.html
    MEDIA logo1.png
HTML > Contact_Us.html > body > header > div.logo-container
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <link rel="stylesheet" href="../../CSS/styles.css">
7     <title>Contact Us - Study Buds</title>
8   </head>
9   <body>
10    <header>
11      <div class="logo-container">
12        
13        <h1 id="SB">StudyBuds</h1>
14    </div>
15    <nav>
16      <ul>
17        <li><a href="index.html">Home</a></li>
18      </ul>
19    </nav>
20  </header>
21  <main>
22    <h1>Contact Us</h1>
23    <form action="#" method="POST">
24      <label for="name">First and Last Name:</label>
25      <input type="text" id="name" name="name" required
26      placeholder="e.g., Maryam Alotaibi" pattern="^A-Z-a-z$" title="Only letters and spaces allowed.">
27
28      <label for="gender">Gender:</label>
29      <select id="gender" name="gender" required>
30        <option value="" disabled selected>Select your gender</option>
31        <option value="male">Male</option>
32        <option value="female">Female</option>
33      </select>
34
35      <label for="mobile">Mobile:</label>
36      <input type="tel" id="mobile" name="mobile" required placeholder="e.g., +96612345678" pattern="^\\+966[0-9]{8}$" title="Please enter a valid mobile number.">
37
38      <label for="dob">Date of Birth:</label>
39      <input type="date" id="dob" name="dob" required>
Ln 14, Col 15  Spaces: 4  UTF-8  CRLF  HTML
  
```

```

File Edit Selection View Go Run Terminal Help < - > Untitled (Workspace)
EXPLORER ... Available_Groups.html Contact_Us.html Profile.html
  UNTITLED (WORKSPACE)
    CSS # styles.css
    HTML
      About_Us.html Available_Groups.html Contact_Us.html
      Create_Study_Group.html index.html Login.html Profile.html Sign_Up.html
    MEDIA logo1.png
HTML > Contact_Us.html > body > header > div.logo-container
2 <html lang="en">
3   <body>
4     <main>
5       <form action="#" method="POST">
6         <label for="email">Email:</label>
7         <input type="email" id="email" name="email" required placeholder="e.g., example@mail.com"
8         pattern="^([a-zA-Z0-9.-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,})$" title="Please enter a valid email address.">
9
10        <label for="language">Preferred Language:</label>
11        <select id="language" name="language" required>
12          <option value="" disabled selected>Select your language</option>
13          <option value="arabic">Arabic</option>
14          <option value="english">English</option>
15        </select>
16
17        <label for="message">Message:</label>
18        <textarea id="message" name="message" placeholder="Your message here..."></textarea>
19
20        <button type="submit">Submit</button>
21      </form>
22      <br>
23      <h3>Or Contact Directly Via: <a href="mailto:StudyBudsInfo@hotmail.com">StudyBudsInfo@hotmail.com</a></h3>
24    </main>
25    <footer>
26      <nav>
27        <ul>
28          <li><a href="About_Us.html">About</a></li>
29        </ul>
30      </nav>
31      <p>&copy; 2024 Study Buds. All rights reserved.</p>
32    </footer>
33  </body>
34 </html>
  
```

- Available Groups Code:

Available\_Groups.html

```

<!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="../CSS/styles.css">
    <title>Available Groups - Study Buds</title>
  </head>
  <body>
    <header>
      <div class="logo-container">
        
        <h1 id="SB">StudyBuds</h1>
      </div>
      <nav>
        <ul>
          <li><a href="index.html">Home</a></li>
          <li><a href="Profile.html">Profile</a></li>
          <li><a href="Create_Study_Group.html">Create Group</a></li>
        </ul>
      </nav>
    </header>
    <main>
      <h1>Available Study Groups</h1>
      <h2>Filter Groups by Interests</h2>
      <label for="interest">Select interest:</label>
      <select id="interest">
        <option value="all">All</option>
        <option value="science">Science</option>
        <option value="mathematics">Mathematics</option>
        <option value="literature">Literature</option>
        <option value="history">History</option>
        <option value="art">Art</option>
        <option value="technology">Technology</option>
      </select>
      <table class="study-groups">
        <thead>
          <tr>
            <th>Group Name</th>
            <th>Subject</th>
            <th>Schedule</th>
            <th>Description</th>
            <th>Action</th>
          </tr>
        </thead>
        <tbody>
          <tr data-subject="science">
            <td data-label="Group Name">Science Explorers</td>
            <td data-label="Subject">Science</td>
            <td data-label="Schedule">Monday, 5 PM</td>
            <td data-label="Description">Explore various scientific topics together.</td>
            <td data-label="Action"><button>Join</button></td>
          </tr>
          <tr data-subject="mathematics">
            <td data-label="Group Name">Math Wizards</td>
            <td data-label="Subject">Mathematics</td>
            <td data-label="Schedule">Tuesday, 6 PM</td>
            <td data-label="Description">Collaborate on solving complex math problems.</td>
            <td data-label="Action"><button>Join</button></td>
          </tr>
        </tbody>
      </table>
    </main>
    <footer>
      <nav>
        <ul>
          <li><a href="About_Us.html" target="#">About</a></li>
          <li><a href="Contact_Us.html" target="#">Contact</a></li>
        </ul>
      </nav>
      <p>&copy; 2024 Study Buds. All rights reserved.</p>
    </footer>
  </body>
</html>

```

Available\_Groups.css

```

body {
  font-family: Arial, sans-serif;
}

h1 {
  color: #0070C0;
  text-align: center;
}

h2 {
  color: #0070C0;
  margin-bottom: 10px;
}

table {
  width: 100%;
  border-collapse: collapse;
}

thead tr th {
  padding: 8px;
  text-align: left;
}

tbody tr td {
  padding: 8px;
}

tbody tr td button {
  border: none;
  background-color: #0070C0;
  color: white;
  padding: 5px 10px;
  border-radius: 5px;
  cursor: pointer;
}

```

Available\_Groups.js

```

document.addEventListener("DOMContentLoaded", () => {
  const interestSelect = document.getElementById("interest");
  const tableBody = document.querySelector(".study-groups tbody");

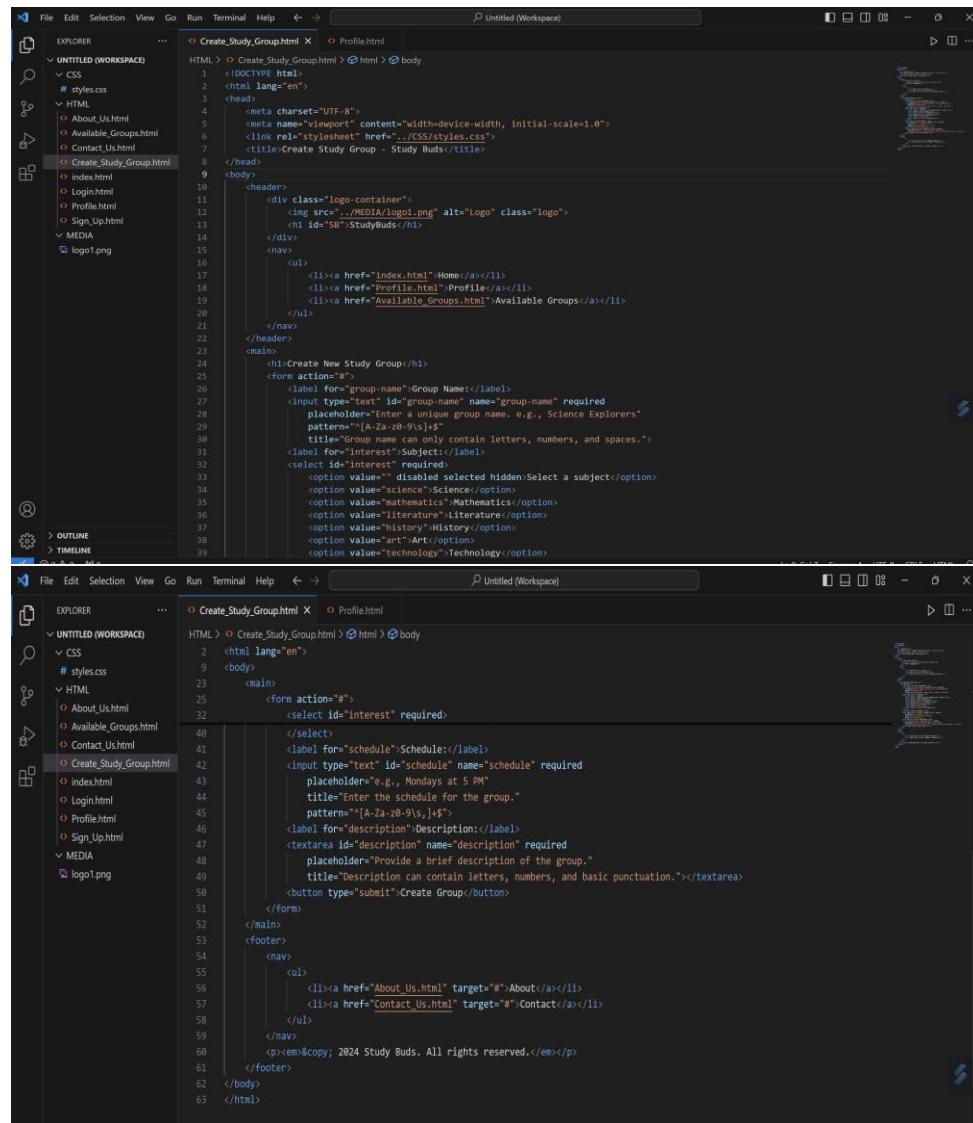
  interestSelect.addEventListener("change", () => {
    const selectedValue = interestSelect.value;
    let filteredGroups = [];

    if (selectedValue === "all") {
      filteredGroups = [...document.querySelectorAll(".study-groups tr")];
    } else {
      filteredGroups = [...document.querySelectorAll(".study-groups tr")]
        .filter(group => group.dataset.subject === selectedValue);
    }

    tableBody.innerHTML = "";
    filteredGroups.forEach(group => tableBody.appendChild(group));
  });
});

```

- Create Study Group Code:



```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <link rel="stylesheet" href="../CSS/styles.css">
7   <title>Create Study Group - Study Buds</title>
8 </head>
9 <body>
10  <header>
11    <div class="logo-container">
12      
13      <h1 id="SB-StudyBuds"></h1>
14    </div>
15    <nav>
16      <ul>
17        <li><a href="index.html">Home</a></li>
18        <li><a href="Profile.html">Profile</a></li>
19        <li><a href="Available_Groups.html">Available Groups</a></li>
20      </ul>
21    </nav>
22  </header>
23  <main>
24    <h1>Create New Study Group</h1>
25    <form action="#">
26      <label for="group-name">Group Name:</label>
27      <input type="text" id="group-name" name="group-name" required
28        placeholder="Enter group name. e.g., Science Explorers"
29        pattern="[A-Za-z0-9\s]+"
30        title="Group name can only contain letters, numbers, and spaces.">
31      <label for="interest">Subject:</label>
32      <select id="interest" required>
33        <option value="" disabled selected hidden>Select a subject</option>
34        <option value="science">Science</option>
35        <option value="mathematics">Mathematics</option>
36        <option value="literature">Literature</option>
37        <option value="history">History</option>
38        <option value="art">Art</option>
39        <option value="technology">Technology</option>
40    </select>
41    <label for="schedule">Schedule:</label>
42    <input type="text" id="schedule" name="schedule" required
43      placeholder="e.g., Mondays at 5 PM"
44      title="Enter the schedule for the group."
45      pattern="[A-Za-z0-9\s]+"
46    <label for="description">Description:</label>
47    <textarea id="description" name="description" required
48      placeholder="Provide a brief description of the group."
49      title="Description can contain letters, numbers, and basic punctuation."></textarea>
50    <button type="submit">Create Group</button>
51  </form>
52  </main>
53  <footer>
54    <nav>
55      <ul>
56        <li><a href="About_Us.html" target="#">About</a></li>
57        <li><a href="Contact_Us.html" target="#">Contact</a></li>
58      </ul>
59    </nav>
60    <p>&copy; 2024 Study Buds. All rights reserved.</p>
61  </footer>
62</body>
63</html>

```

- Profile Code:

The image displays three screenshots of a code editor showing the source code for a web application profile page. The code is written in HTML, CSS, and JavaScript.

**Profile.html (Top Screenshot):**

```

<!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="../CSS/styles.css">
    <title>Your Profile - Study Buds</title>
  </head>
  <body>
    <header>
      <div class="logo-container">
        
        <h1 id="SB">StudyBuds</h1>
      </div>
      <nav>
        <ul>
          <li><a href="index.html">Home</a></li>
          <li><a href="Create_Study_Group.html">Create Group</a></li>
          <li><a href="Available_Groups.html">Available Groups</a></li>
        </ul>
      </nav>
    </header>
    <main>
      <h1>Your Profile</h1>
      <section>
        <h2>User Information />
        <p><strong>Name:</strong> [User's Name]</p>
        <p><strong>Email:</strong> [User's Email]</p>
        <p><strong>Bio:</strong> A passionate learner who enjoys exploring new subjects and sharing knowledge.</p>
      </section>
      <section id="my-groups">
        <h2>Your Study Groups />
        <table class="study-groups">
          <thead>
            <tr>
              <th>Group Name</th>
              <th>Subject</th>
            </tr>
          </thead>
          <tbody>
            <tr>
              <td>Science Explorers</td>
              <td>Science</td>
              <td>Monday, 6 PM</td>
              <td>Explore various scientific topics together.</td>
              <td><button class="leave-group" data-group-id="1">Leave Group</button></td>
            </tr>
            <tr>
              <td>Math Wizards</td>
              <td>Mathematics</td>
              <td>Tuesday, 6 PM</td>
              <td>Collaborate on solving complex math problems.</td>
              <td><button class="leave-group" data-group-id="2">Leave Group</button></td>
            </tr>
          </tbody>
        </table>
      </section>
      <footer>
        <ul>
          <li><a href="About_Us.html" target="#>About</a></li>
          <li><a href="Contact_Us.html" target="#>Contact</a></li>
        </ul>
      </footer>
    </main>
  </body>
</html>

```

**Profile.html (Middle Screenshot):**

```

<!DOCTYPE html>
<html lang="en">
  <body>
    <main>
      <section id="my-groups">
        <table class="study-groups">
          <thead>
            <tr>
              <th>Group Name</th>
              <th>Subject</th>
              <th>Schedule</th>
              <th>Description</th>
              <th>Action</th>
            </tr>
          </thead>
          <tbody>
            <tr>
              <td>Science Explorers</td>
              <td>Science</td>
              <td>Monday, 6 PM</td>
              <td>Explore various scientific topics together.</td>
              <td><button class="leave-group" data-group-id="1">Leave Group</button></td>
            </tr>
            <tr>
              <td>Math Wizards</td>
              <td>Mathematics</td>
              <td>Tuesday, 6 PM</td>
              <td>Collaborate on solving complex math problems.</td>
              <td><button class="leave-group" data-group-id="2">Leave Group</button></td>
            </tr>
          </tbody>
        </table>
      </section>
    </main>
  </body>
</html>

```

**Profile.html (Bottom Screenshot):**

```

<!DOCTYPE html>
<html lang="en">
  <body>
    <main>
      <section id="my-groups">
        <table class="study-groups">
          <thead>
            <tr>
              <th>Group Name</th>
              <th>Subject</th>
              <th>Schedule</th>
              <th>Description</th>
              <th>Action</th>
            </tr>
          </thead>
          <tbody>
            <tr>
              <td>Science Explorers</td>
              <td>Science</td>
              <td>Monday, 6 PM</td>
              <td>Explore various scientific topics together.</td>
              <td><button class="leave-group" data-group-id="1">Leave Group</button></td>
            </tr>
            <tr>
              <td>Math Wizards</td>
              <td>Mathematics</td>
              <td>Tuesday, 6 PM</td>
              <td>Collaborate on solving complex math problems.</td>
              <td><button class="leave-group" data-group-id="2">Leave Group</button></td>
            </tr>
          </tbody>
        </table>
      </section>
    </main>
  </body>
</html>

```



# The CSS Code:

The screenshot shows a browser-based code editor interface. On the left, there's a sidebar with icons for file operations like Open, Save, Find, and Undo. Below that is a tree view showing the project structure: 'UNTITLED (WORKSPACE)' containing 'Profile.html' and 'style.css'. The main area is a code editor with syntax highlighting for CSS. The 'style.css' file contains the following code:

```
/* Global Reset */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

html, body {
    height: 100%;
    font-family: "Poppins", sans-serif;
    background-color: #f2f5f7;
    line-height: 1.6;
    display: flex; /* Enable flexbox */
    flex-direction: column; /* Stack children vertically */
}

/* Header */
header {
    background-color: #e4a568;
    color: white;
    padding: 1.5vw 2.5vw; /* Reduced padding for larger screens */
    display: flex;
    justify-content: space-between;
    align-items: center;
    margin-bottom: 20px; /* Responsive margin */
    border-radius: 8px;
    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
}

/* Align Logo and Title */
.logo-container {
    display: flex;
    align-items: center;
    gap: 2vw; /* Responsive gap */
}

header .logo {
    width: 6vw; /* Responsive logo size */
    height: auto; /* Maintain aspect ratio */
}
```

```
File Edit Selection View Go Run Terminal Help < > ⌘ Untitled (Workspace)
EXPLORER ... Profile.html # style.css
CSS > # style.css ...
43 header h1 {
44   font-size: clamp(1.5rem, 2.5vw, 1.8rem); /* Adjusted max size for h1 on large screens */
45   font-weight: bold;
46   margin: 0;
47 }
48
49 nav ul {
50   display: flex;
51   gap: 2vw; /* Responsive gap */
52 }
53
54 nav ul li {
55   display: inline; /* Keep nav links on the same line */
56 }
57
58 nav ul li a {
59   color: #fff;
60   text-decoration: none;
61   font-weight: 500;
62   transition: color 0.3s;
63   font-size: clamp(0.8rem, 1.5vw, 1.2rem); /* Adjusted font size for nav links */
64 }
65
66 nav ul li a:hover {
67   color: #d9d9d9;
68 }
69
70 main {
71   flex: 1; /* Allow main to grow and fill available space */
72   width: 100%; /* Set the width to 85% of the page */
73   max-width: 1200px; /* Optional: Set a max width */
74   margin: 0 auto; /* Center the main content */
75   padding: 4vw 2vw; /* Responsive padding */
76   background-color: #fff;
77   border-radius: 10px;
78   box-shadow: 0 5px 15px rgba(0, 0, 0, 0.1);
79 }
80
```



File Edit Selection View Go Run Terminal Help

UNTITLED (WORKSPACE)

Profile.html # styles.css

```

CSS > # styles.css > ...
114 input, select, textarea {
115   width: 100%;
116   max-width: 580px;
117   padding: 1.5vw; /* Increased padding for better touch targets */
118   border: 1px solid #ebeded;
119   border-radius: 5px;
120   transition: border-color 0.3s;
121   font-size: clamp(1rem, 2.5vw, 1.2rem); /* Responsive size for form inputs */
122 }
123 }
124 /* Adjusted Select List Size */
125 select {
126   font-size: clamp(1rem, 2.5vw, 1.2rem); /* Responsive size for select */
127 }
128 /* Form Styling */
129 .contact-form {
130   margin-bottom: 3vw; /* Responsive margin */
131 }
132 }
133 }
134 form {
135   display: flex;
136   flex-direction: column;
137   gap: 1.5vw; /* Responsive gap */
138   margin-top: 2vw; /* Responsive margin */
139 }
140 }
141 /* Contact Info Styling */
142 .contact-info {
143   background-color: #f0f0f0;
144   padding: 2vw; /* Responsive padding */
145   border-radius: 10px;
146   box-shadow: 0 2px 8px #rgba(0, 0, 0, 0.1);
147   text-align: center;
148   max-width: 600px;
149   margin: 0 auto;
150 }
151 }
152 
```

File Edit Selection View Go Run Terminal Help

UNTITLED (WORKSPACE)

Profile.html # styles.css

```

CSS > # styles.css > ...
152 .contact-info h2 {
153   margin-bottom: 1vw; /* Responsive margin */
154   font-size: clamp(1.5rem, 3vw, 2rem); /* Responsive heading size in contact info */
155 }
156 .contact-info p {
157   font-size: clamp(1rem, 2vw, 1.2rem); /* Responsive contact info size */
158 }
159 }
160 }
161 /* Buttons Styling */
162 button {
163   width: fit-content;
164   padding: 1.2vw 2vw; /* Responsive padding */
165   background-color: #2d9cdb;
166   color: white;
167   border: none;
168   font-weight: bold;
169   border-radius: 5px;
170   cursor: pointer;
171   transition: background 0.3s, transform 0.2s;
172 }
173 }
174 button:hover {
175   background-color: #1e81bb;
176   transform: scale(1.05);
177 }
178 }
179 }
180 /* Tables */
181 table {
182   width: 100%;
183   border-collapse: collapse;
184   margin-top: 2vw; /* Responsive margin */
185 }
186 tr {
187 }
188 td {
189   border-right: 0.05vw solid #lightgray;
190 }
191 
```

File Edit Selection View Go Run Terminal Help

UNTITLED (WORKSPACE)

Profile.html # styles.css

```

CSS > # styles.css > ...
191 th, td {
192   padding: 1.5vw; /* Responsive padding */
193   text-align: left;
194   border-bottom: 1px solid #e2e0f0;
195   font-size: clamp(1rem, 2.5vw, 1.2rem); /* Responsive font size for table data */
196 }
197 th {
198   background-color: #4a5568;
199   color: white;
200 }
201 }
202 }
203 tr:nth-child(even) {
204   background-color: #edf2f7;
205 }
206 }
207 /* Buttons */
208 .button {
209   display: inline-block;
210   padding: 1vw 2vw; /* Responsive padding */
211   background-color: #2d9cdb;
212   color: white;
213   margin-top: 2vw; /* Responsive margin */
214   text-decoration: none;
215   border: none;
216   border-radius: 5px;
217   transition: background 0.3s, transform 0.2s;
218   font-weight: bold;
219 }
220 .button:hover {
221   background-color: #1e81bb;
222   color: white;
223   text-decoration: none;
224   transform: scale(1.05);
225 }
226 
```

University of Jeddah

## **College of Computer Science and Engineering**

## **Department of Cybersecurity**



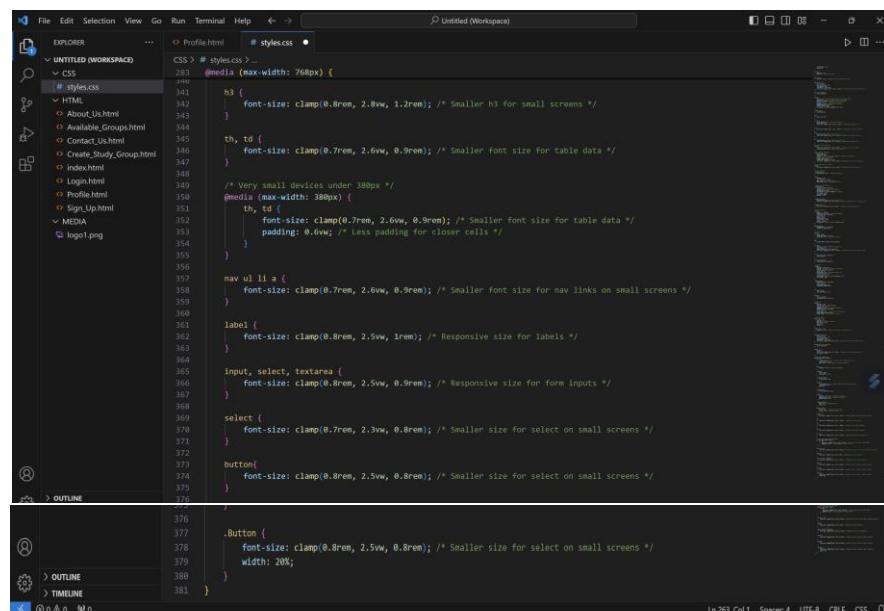
The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The left sidebar displays the 'EXPLORER' view with a tree structure of files in the 'UNTITLED (WORKSPACE)' folder. The 'styles.css' file is currently selected. The main area is a code editor with the content of 'styles.css' shown. The code defines a global style for 'a' elements and a footer section. The right side of the interface features a 'PROBLEMS' panel showing no errors, a 'LSP' panel, and a 'REFERENCES' panel. The status bar at the bottom indicates the file is 'Untitled (Workspace)'.

```
Profile.html # styles.css ●  
CSS > # styles.css ...  
226  
227 a {  
228   color: #555;  
229   text-decoration: none;  
230 }  
231 a:hover {  
232   color: #1e9ib0;  
233   text-decoration: underline;  
234 }  
235 /* Footer */  
236 footer {  
237   display: flex;  
238   justify-content: space-between;  
239   align-items: center;  
240   padding: 2vw 4vw; /* Responsive padding */  
241   background-color: #4a5568;  
242   color: white;  
243   margin-top: auto; /* Push footer to the bottom */  
244   border-radius: 8px 8px 0 0;  
245   width: 100%; /* Full width for footer */  
246 }  
247  
248 /* Footer Links */  
249 footer nav ul {  
250   display: flex;  
251   gap: 2vw; /* Responsive gap */  
252   list-style: none;  
253   padding: 0;  
254   margin: 0;  
255 }  
256  
257 footer nav ul li {  
258   display: inline; /* Keep footer links on the same line */  
259 }  
260  
261  
262  
263
```

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer (Left):** Shows a tree view of the workspace. The root folder is "UNTITLED (WORKSPACE)". Inside it are "CSS" (containing "# styles.css"), "HTML" (containing "About\_Us.html", "Available\_Groups.html", "Contact\_Us.html", "Create\_Study\_Group.html", "index.html", "Login.html", "Profile.html", and "Sign\_Up.html"), and "MEDIA" (containing "logo1.png").
- Editor Area (Center):** The main editor window displays the content of "styles.css". The code includes styles for footer navigation, a responsive footer paragraph, and a media query for screens up to 768px. It also defines a main container with padding, a button style, and a logo container with a margin-bottom of 8px.
- Bottom Status Bar:** Shows file paths for "Profile.html" and "styles.css".
- Right Sidebar:** A large sidebar on the right side of the interface, which appears to be a search or history panel, is mostly empty with only a few items visible.

```
CSS # styles.css
283 @media (max-width: 768px) {
284
285   footer {
286     flex-direction: row; /* Keep footer links on the same line */
287     justify-content: center;
288     gap: 8px;
289   }
290
291   footer nav ul {
292     justify-content: center;
293   }
294
295   header {
296     padding: 1.8vw 2vw; /* Responsive padding */
297     margin-bottom: 1.8vw; /* Responsive margin */
298     border-radius: 3px;
299   }
300
301   .logo-container {
302     gap: 2vw; /* Responsive gap */
303     margin: 2vw;
304   }
305
306   header .logo {
307     width: 18vw; /* Responsive logo size */
308     height: auto; /* Maintain aspect ratio */
309   }
310
311   header h1 {
312     font-size: clamp(1.1rem, 3.8vw, 1.8rem); /* Smaller header heading for small screens */
313   }
314
315   h1 {
316     font-size: clamp(0.9rem, 3.5vw, 1.5rem); /* Smaller max size for h1 */
317   }
318
319   h2 {
320     font-size: clamp(0.8rem, 3.3vw, 1.5rem); /* Smaller h2 for small screens */
321   }
322 }
```



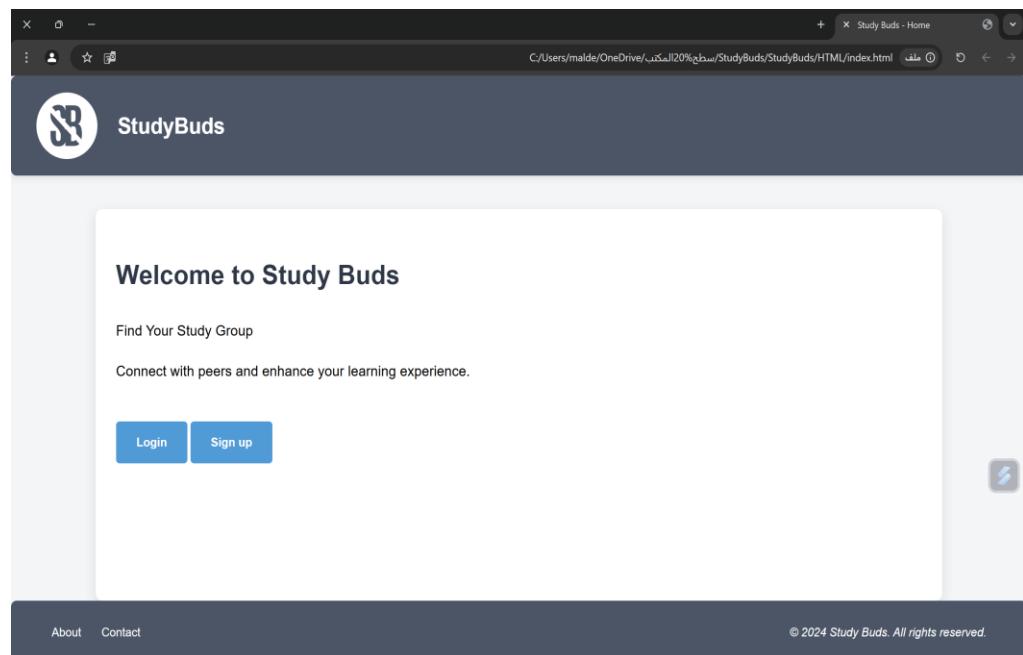
```

File Edit Selection View Go Run Terminal Help <- > Untitled (Workspace)
EXPLORER ... # style.css
CSS # style.css
HTML ...
ABOUT ...
UNTITLED (WORKSPACE)
Profile.html # style.css
About_Us.html
Available_Groups.html
Contact_Us.html
Create_Stud_Group.html
index.html
Login.html
Profile.html
Sign_Up.html
MEDIA
logo1.png
341
342
343
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362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
h3 {
    font-size: clamp(0.8rem, 2.8vw, 1.2rem); /* Smaller h3 for small screens */
}
th, td {
    font-size: clamp(0.7rem, 2.6vw, 0.9rem); /* smaller font size for table data */
}
/* Very small devices under 380px */
@media (max-width: 380px) {
    th, td {
        font-sizes: clamp(0.7rem, 2.6vw, 0.9rem); /* Smaller font size for table data */
        padding: 0.4vw; /* less padding for closer cells */
    }
}
nav ul li a {
    font-size: clamp(0.7rem, 2.6vw, 0.9rem); /* Smaller font size for nav links on small screens */
}
label {
    font-size: clamp(0.8rem, 2.5vw, 1rem); /* Responsive size for labels */
}
input, select, textarea {
    font-size: clamp(0.8rem, 2.5vw, 0.9rem); /* Responsive size for form inputs */
}
select {
    font-size: clamp(0.7rem, 2.3vw, 0.8rem); /* Smaller size for select on small screens */
}
button {
    font-size: clamp(0.8rem, 2.5vw, 0.8rem); /* Smaller size for select on small screens */
    width: 20px;
}
.Button {
    font-size: clamp(0.8rem, 2.5vw, 0.8rem); /* Smaller size for select on small screens */
    width: 20px;
}

```

## The view of the web pages:

- Home page:





- Login page:

localhost:2500/HTML/Login.html

StudyBuds

Home Sign Up

## Login to Study Buds

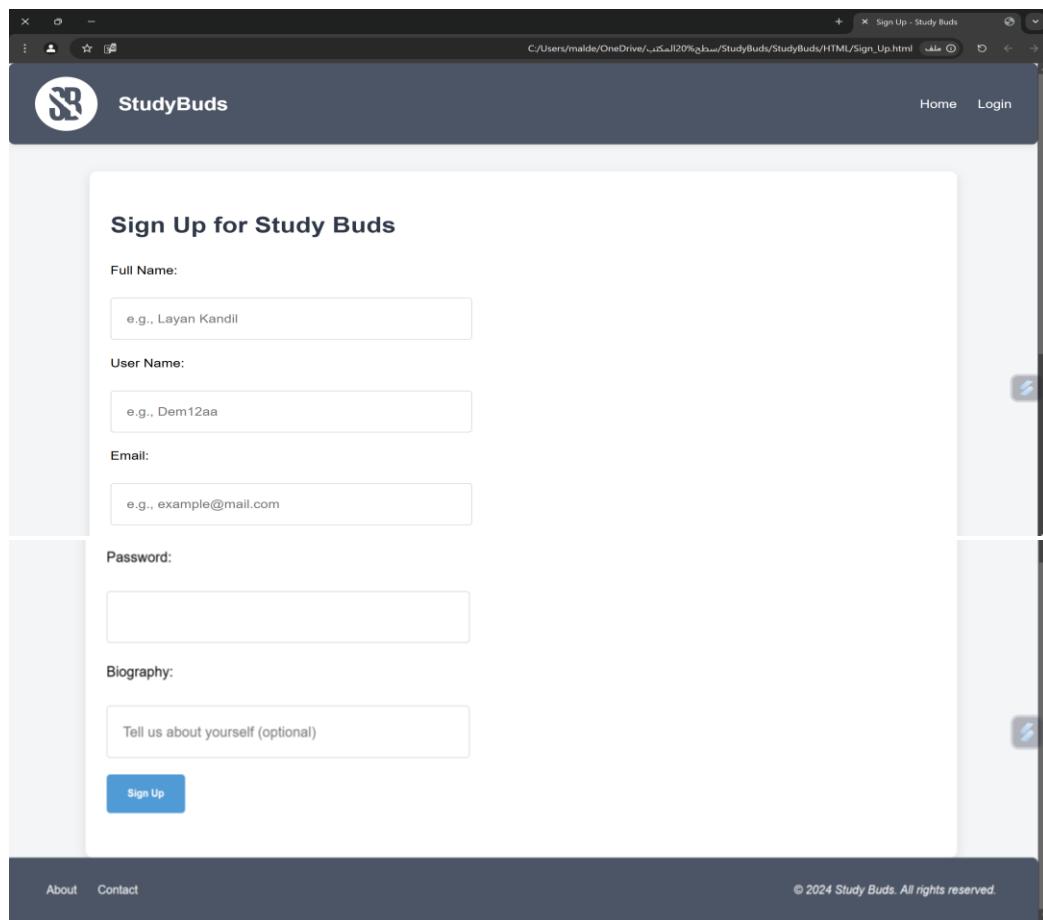
User Name:

Password:

Login

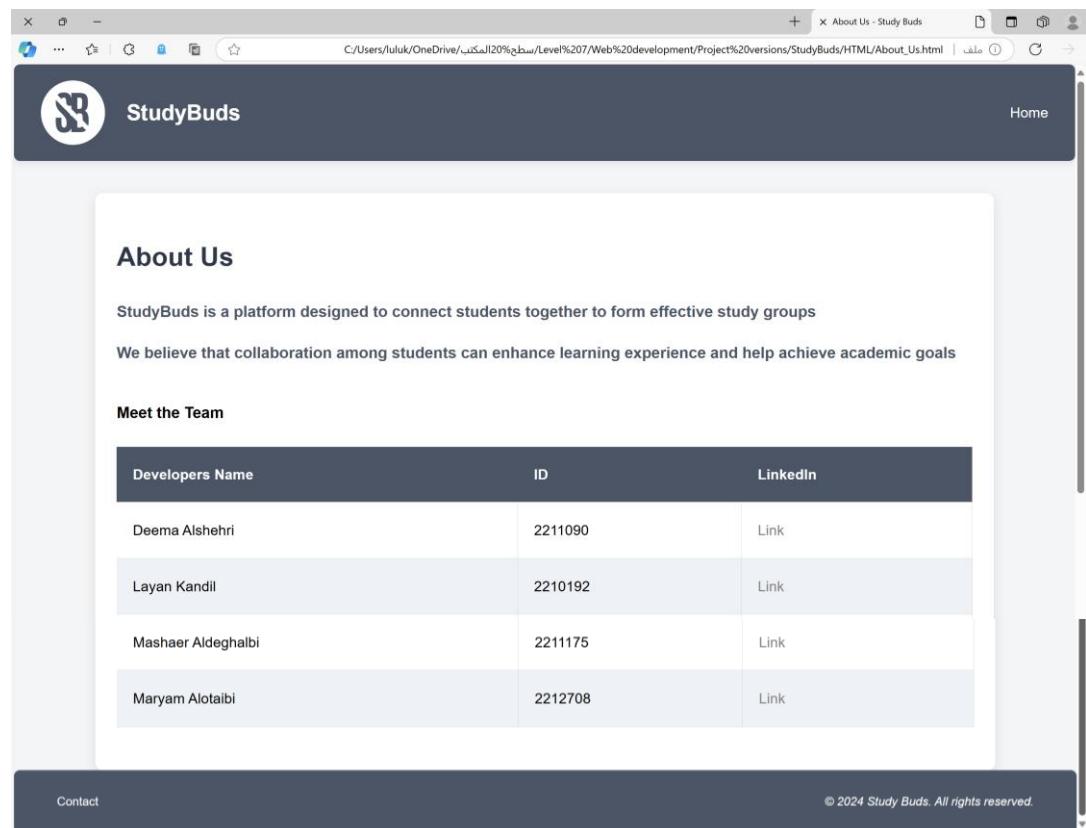
About Contact © 2024 Study Buds. All rights reserved.

- Signup page:



The screenshot shows a web browser window displaying the 'Sign Up' page for 'StudyBuds'. The page has a dark header with the 'StudyBuds' logo and navigation links for 'Home' and 'Login'. The main content area is titled 'Sign Up for Study Buds' and contains five input fields: 'Full Name' (placeholder: 'e.g., Layan Kandil'), 'User Name' (placeholder: 'e.g., Dem12aa'), 'Email' (placeholder: 'e.g., example@mail.com'), 'Password' (empty field), and 'Biography' (placeholder: 'Tell us about yourself (optional)'). A blue 'Sign Up' button is located at the bottom left of the form. At the very bottom of the page, there is a footer bar with links for 'About' and 'Contact', and a copyright notice: '© 2024 Study Buds. All rights reserved.'

- About us page:



**About Us**

StudyBuds is a platform designed to connect students together to form effective study groups

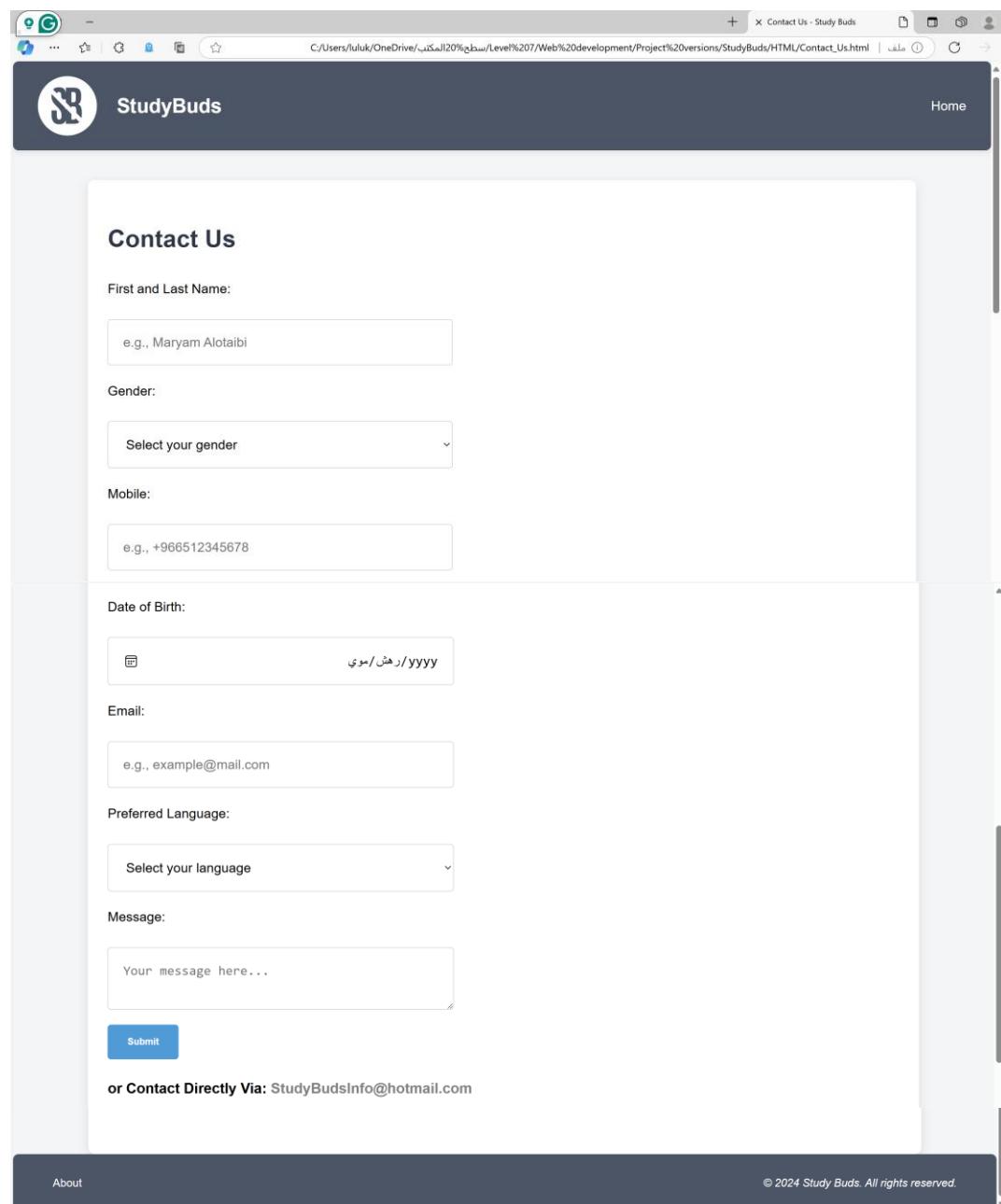
We believe that collaboration among students can enhance learning experience and help achieve academic goals

**Meet the Team**

Developers Name	ID	LinkedIn
Deema Alshehri	2211090	<a href="#">Link</a>
Layan Kandil	2210192	<a href="#">Link</a>
Mashaer Aldeghalbi	2211175	<a href="#">Link</a>
Maryam Alotaibi	2212708	<a href="#">Link</a>

Contact © 2024 Study Buds. All rights reserved.

- Contact Us page:



The screenshot shows a 'Contact Us' form on a StudyBuds website. The form includes fields for First and Last Name, Gender, Mobile, Date of Birth, Email, Preferred Language, and a Message area. A 'Submit' button is at the bottom left, and a note at the bottom right provides an alternative email address.

**Contact Us**

First and Last Name:

Gender:

Mobile:

Date of Birth:

Email:

Preferred Language:

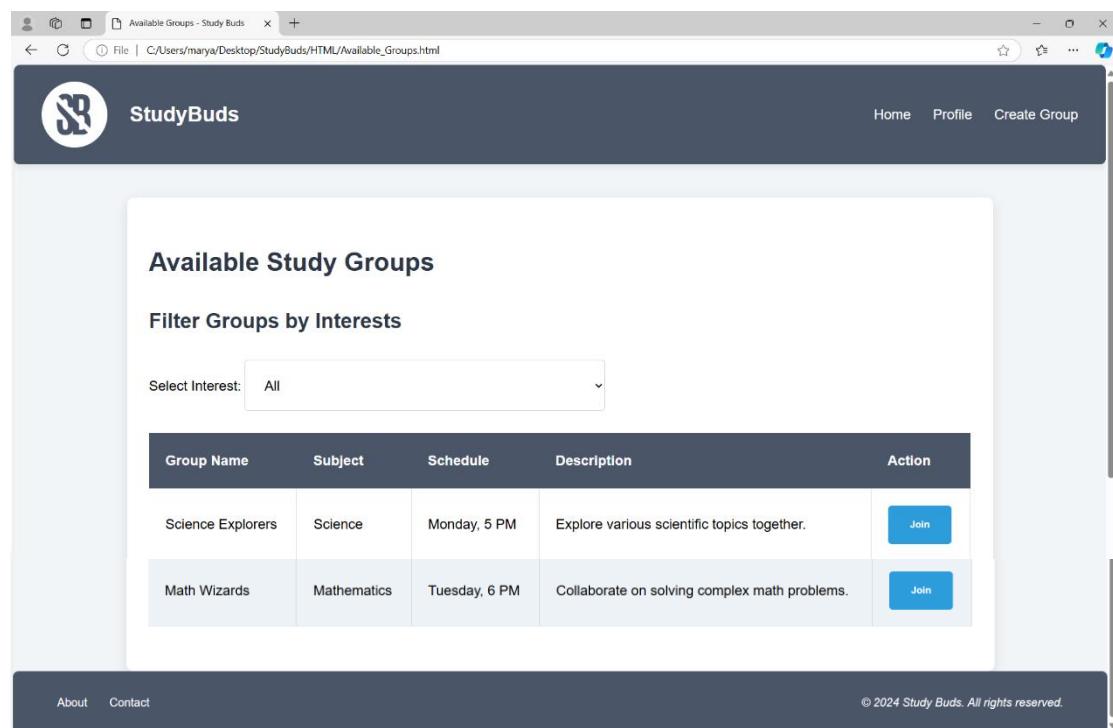
Message:

**Submit**

or Contact Directly Via: [StudyBudsInfo@hotmail.com](mailto:StudyBudsInfo@hotmail.com)

About © 2024 Study Buds. All rights reserved.

- Available Groups page:

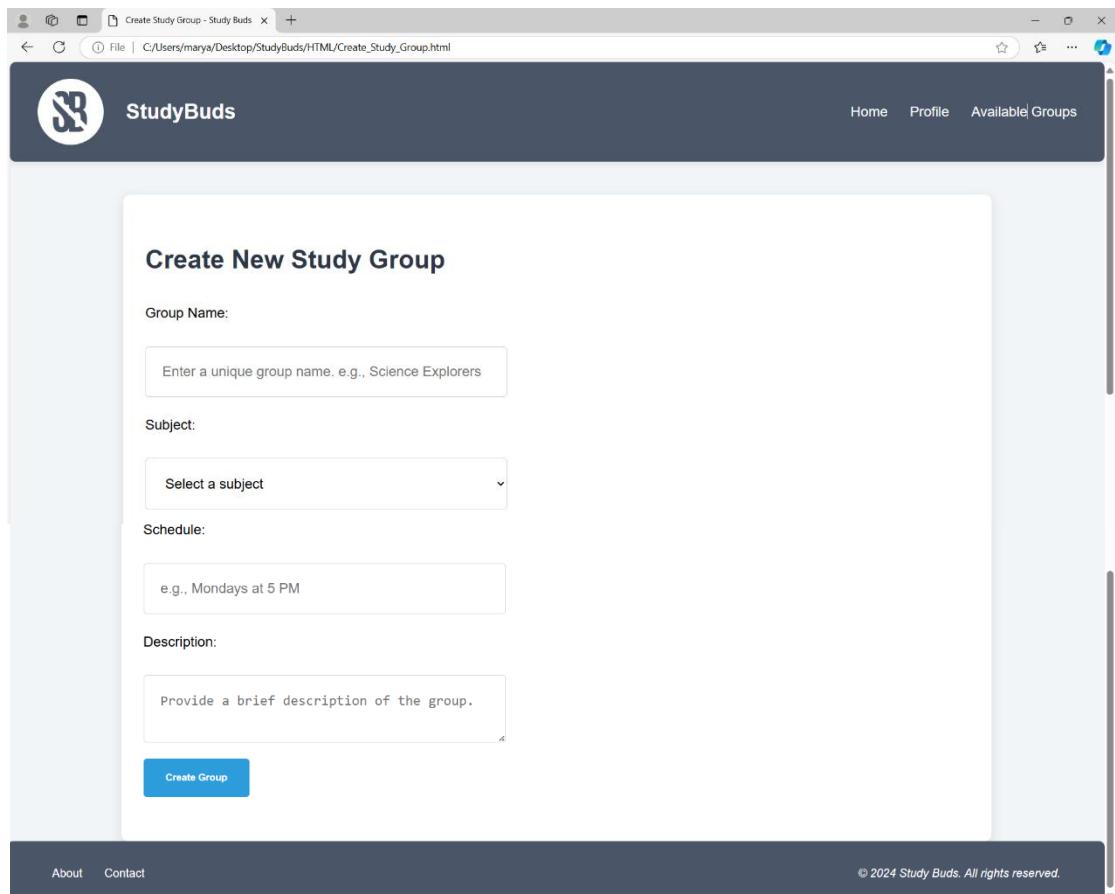


The screenshot shows a web browser window displaying the 'Available Groups' page of the StudyBuds website. The page has a dark header with the StudyBuds logo and navigation links for Home, Profile, and Create Group. Below the header is a section titled 'Available Study Groups' with a sub-section 'Filter Groups by Interests'. A dropdown menu labeled 'Select Interest: All' is shown. The main content area displays a table of available study groups:

Group Name	Subject	Schedule	Description	Action
Science Explorers	Science	Monday, 5 PM	Explore various scientific topics together.	<a href="#">Join</a>
Math Wizards	Mathematics	Tuesday, 6 PM	Collaborate on solving complex math problems.	<a href="#">Join</a>

At the bottom of the page, there are links for 'About' and 'Contact', and a copyright notice: '© 2024 Study Buds. All rights reserved.'

- Create Study Group page:



The screenshot shows a web browser window titled "Create Study Group - Study Buds". The page has a dark header with the "StudyBuds" logo and navigation links for "Home", "Profile", and "Available Groups". The main content area is titled "Create New Study Group" and contains the following fields:

- Group Name:** A text input field with placeholder text "Enter a unique group name. e.g., Science Explorers".
- Subject:** A dropdown menu with placeholder text "Select a subject".
- Schedule:** A text input field with placeholder text "e.g., Mondays at 5 PM".
- Description:** A text area with placeholder text "Provide a brief description of the group.".

A blue "Create Group" button is located at the bottom left of the form. At the bottom of the page, there are links for "About" and "Contact", and a copyright notice: "© 2024 Study Buds. All rights reserved."



- Profile page:

The screenshot shows a web browser window with the title 'Your Profile - Study Buds'. The URL in the address bar is 'C:/Users/marya/Desktop/StudyBuds/HTML/Profile.html'. The page has a dark header with the 'StudyBuds' logo and navigation links for 'Home', 'Create Group', and 'Available Groups'. The main content area is titled 'Your Profile' and contains sections for 'Profile Information' (Name: [User's Name], Email: [User's Email]), a bio ('A passionate learner who enjoys exploring new subjects and sharing knowledge.'), and 'Your Study Groups'. A table lists two groups: 'Science Explorers' (Subject: Science, Schedule: Monday, 5 PM, Description: Explore various scientific topics together, Action: Leave Group) and 'Math Wizards' (Subject: Mathematics, Schedule: Tuesday, 6 PM, Description: Collaborate on solving complex math problems, Action: Leave Group). At the bottom, there are links for 'About' and 'Contact', and a copyright notice '© 2024 Study Buds. All rights reserved.'

Group Name	Subject	Schedule	Description	Action
Science Explorers	Science	Monday, 5 PM	Explore various scientific topics together.	<a href="#">Leave Group</a>
Math Wizards	Mathematics	Tuesday, 6 PM	Collaborate on solving complex math problems.	<a href="#">Leave Group</a>

## The code Validation:

- Index(Home) Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report

Check by   css

```
<!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="../CSS/styles.css">
    <title>Study Buds - Home</title>
</head>
<body>
    <header>
        <div class="logo-container">
            
            <h1 id="SB">StudyBuds</h1>
        </div>
    </header>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

- Login Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report

Check by   css

```
<!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="../CSS/styles.css">
    <title>Login - Study Buds</title>
</head>
<body>
    <header>
        <div class="logo-container">
            
            <h1 id="SB">StudyBuds</h1>
        </div>
    </header>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

- Signup Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report

Check by   css

```
<!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="../CSS/styles.css">
    <title>Sign Up - Study Buds</title>
</head>
<body>
    <header>
        <div class="logo-container">
            
            <h1 id="SB">Study Buds</h1>
        </div>
        <nav>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

- About us Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report

Check by   css

```
<!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="../CSS/styles.css">
    <title>About Us - Study Buds</title>
</head>
<body>
    <header>
        <div class="logo-container">
            
            <h1 id="SB">Study Buds</h1>
        </div>
        <nav>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.



- Contact Us Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report  Options...

Check by   css

```
<!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="../CSS/styles.css">
    <title>Contact Us - Study Buds</title>
</head>
<body>
    <div class="logo-container">
        
        <h1 id="sB">StudyBuds</h1>
    </div>
    <nav>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

- Available Groups Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report  Options...

Check by   css

```
<!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="../CSS/styles.css">
    <title>Available Groups - Study Buds</title>
</head>
<body>
    <div class="logo-container">
        
        <h1 id="sB">StudyBuds</h1>
    </div>
    <nav>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.



- Create Study Group Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report  Options...

Check by:   CSS

```
<!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="../CSS/styles.css">
    <title>Create Study Group - Study Buds</title>
</head>
<body>
    <div class="logo-container">
        
        <h1 id="58">StudyBuds</h1>
    </div>
    <nav>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

- Profile Validation:

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report  Options...

Check by:   CSS

```
<!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="../CSS/styles.css">
    <title>Your Profile - Study Buds</title>
</head>
<body>
    <div class="logo-container">
        
        <h1 id="58">StudyBuds</h1>
    </div>
    <nav>
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

- CSS validation:

The W3C CSS Validation Service  
W3C CSS Validator results for TextArea (CSS level 3 + SVG)

Jump to: Validated CSS

W3C CSS Validator results for TextArea (CSS level 3 + SVG)

**Congratulations! No Error Found.**

This document validates as [CSS level 3 + SVG](#)!

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">

</a>
</p>
```

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">

</a>
</p>
```

The W3C CSS Validation Service  
W3C CSS Validator results for styles.css (CSS level 3 + SVG)

Jump to: Validated CSS

W3C CSS Validator results for styles.css (CSS level 3 + SVG)

**Congratulations! No Error Found.**

This document validates as [CSS level 3 + SVG](#)!

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">

</a>
</p>
```

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">

</a>
</p>
```

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show  source  outline  image report  Options...

Check by  text input  CSS

```
/* Global Reset */
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

html, body {
  height: 100%;
  font-family: 'Poppins', sans-serif;
  background-color: #f2f5f7;
  line-height: 1.6;
  display: flex; /* Enable flexbox */
  flex-direction: column; /* Stack children vertically */
}
```

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.



## The Responsiveness:

- 576px

The screenshot shows a web browser window with a responsive design preview set to 576px. The main content area displays a 'Your Profile' page for 'StudyBuds'. It includes a header with the logo and navigation links ('Home', 'Create Group', 'Available Groups'). Below the header is a 'Profile Information' section with fields for 'Name' and 'Email', and a bio describing the user as a passionate learner. A 'Your Study Groups' section contains a table with two rows: 'Science Explorers' (Science, Monday, 5 PM) and 'Math Wizards' (Mathematics, Tuesday, 6 PM). The developer tools sidebar on the right shows the DOM structure of the page.

- 768px:

The screenshot shows a web browser window with a responsive design preview set to 768px. The main content area displays an 'About Us' page for 'StudyBuds'. It includes a header with the logo and navigation links ('Home'). Below the header is an 'About Us' section with text about the platform's purpose and a 'Meet the Team' section with a table listing developer names, IDs, and LinkedIn links. The developer tools sidebar on the right shows the DOM structure of the page.



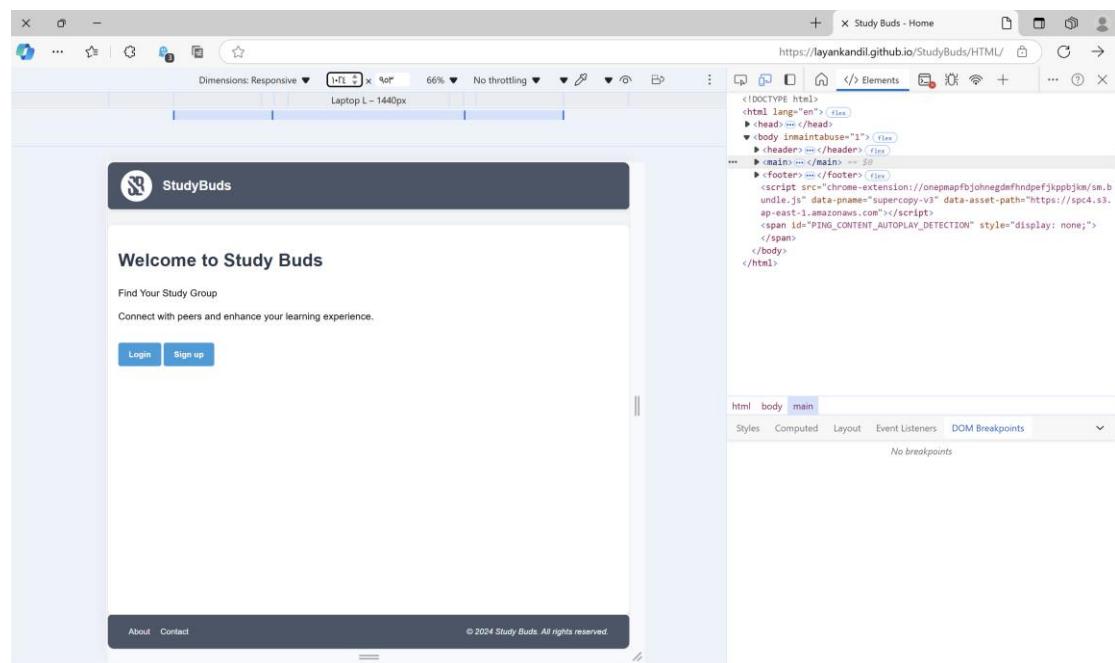
- 992px:

The screenshot shows a web browser window with the 'Sign Up - Study Buds' page. The page has a dark header with the 'StudyBuds' logo and navigation links for 'Home' and 'Login'. Below the header is a form titled 'Sign Up for Study Buds'. The form contains fields for 'Full Name' (with placeholder 'e.g., Layan Kandil'), 'User Name' (placeholder 'e.g., Dem12aa'), 'Email' (placeholder 'e.g., example@mail.com'), 'Password', 'Biography' (placeholder 'Tell us about yourself (optional)'), and a 'Sign Up' button. At the bottom of the page are links for 'About' and 'Contact', and a copyright notice: '© 2024 Study Buds. All rights reserved.' The browser's developer tools are visible on the right side, displaying the HTML code for the sign-up form.

- iPhone SE (375px):

The screenshot shows a web browser window with the 'Contact Us - Study Buds' page. The page has a dark header with the 'StudyBuds' logo and navigation links for 'Home' and 'About'. Below the header is a form titled 'Contact Us'. The form contains fields for 'First and Last Name' (placeholder 'e.g., Maryam Alotaibi'), 'Gender' (dropdown menu), 'Mobile' (placeholder 'e.g., +966512345678'), 'Date of Birth' (date input field), 'Email' (placeholder 'e.g., example@mail.com'), 'Preferred Language' (dropdown menu), and a 'Message' text area (placeholder 'Your message here...'). Below the message area is a 'Submit' button. At the bottom of the page is a note: 'or Contact Directly Via: StudyBudsInfo@hotmail.com'. The browser's developer tools are visible on the right side, displaying the HTML code for the contact form.

- 1024px



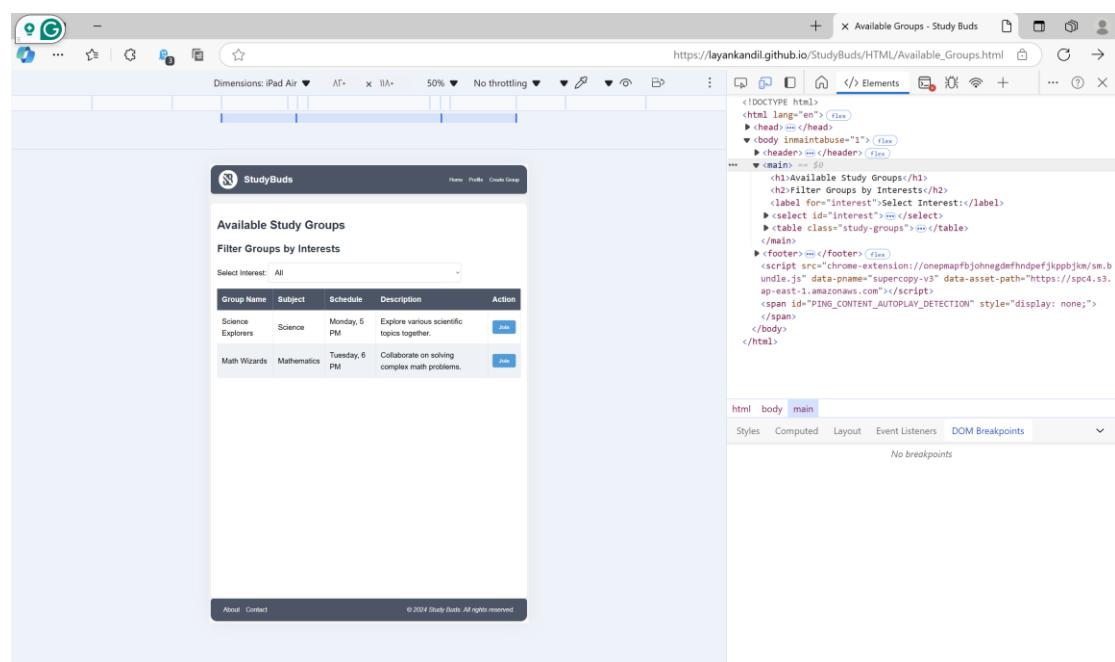
The screenshot shows the StudyBuds homepage with a responsive layout for a laptop screen. The developer tools are open, displaying the HTML code for the page. The code includes standard HTML tags like DOCTYPE, head, body, and footer, along with a script tag for a Chrome extension.

```

<!DOCTYPE html>
<html lang="en">
  <head></head>
  <body>
    <div>StudyBuds</div>
    <h1>Welcome to Study Buds

```

- iPad Air (820px):



The screenshot shows the Available Study Groups page on an iPad Air screen. The developer tools are open, displaying the HTML code for the page. The code includes a table for listing study groups based on interests.

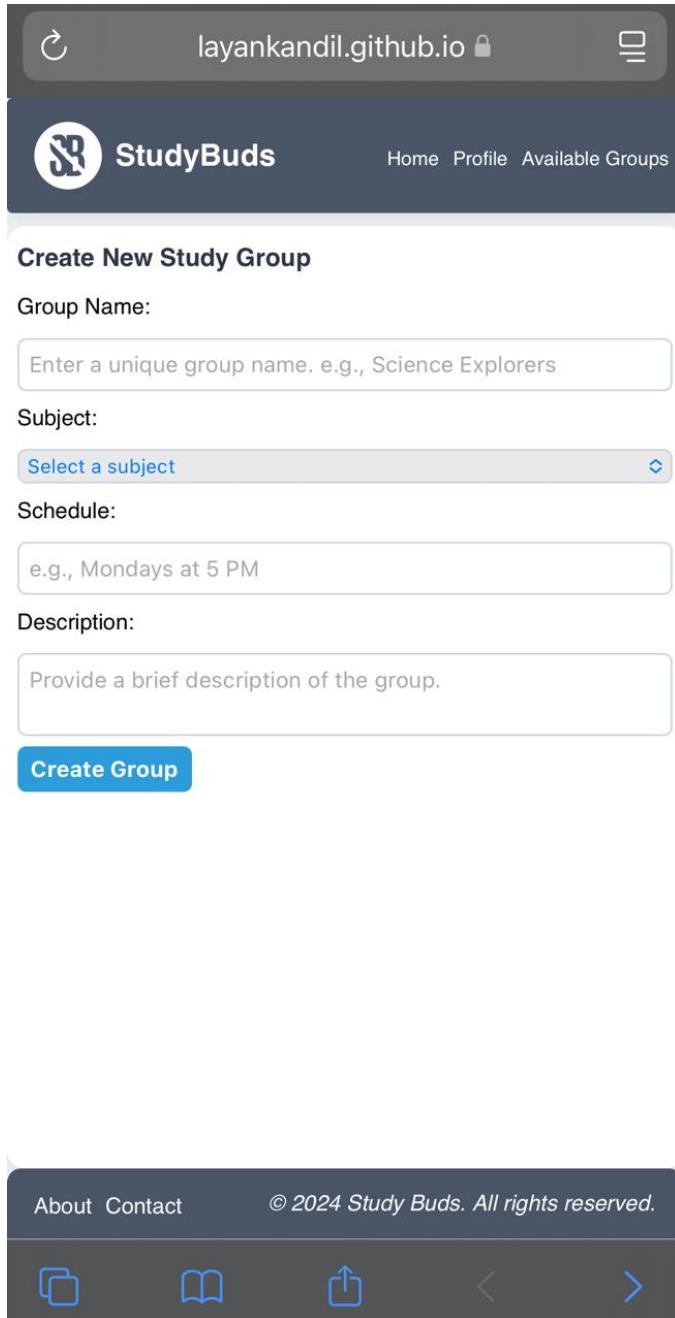
Group Name	Subject	Schedule	Description	Action
Science Explorers	Science	Monday, 5 PM	Explore various scientific topics together.	<a href="#">Join</a>
Math Wizards	Mathematics	Tuesday, 6 PM	Collaborate on solving complex math problems.	<a href="#">Join</a>

```

<!DOCTYPE html>
<html lang="en">
  <head></head>
  <body>
    <div>StudyBuds</div>
    <h2>Available Study Groups</h2>
    <form>
      <label>Filter Groups by Interests</label>
      <select id="interest"></select>
    </form>
    <table border="1">
      <thead>
        <tr>
          <th>Group Name</th>
          <th>Subject</th>
          <th>Schedule</th>
          <th>Description</th>
          <th>Action</th>
        </tr>
      <tbody>
        <tr>
          <td>Science Explorers</td>
          <td>Science</td>
          <td>Monday, 5 PM</td>
          <td>Explore various scientific topics together.</td>
          <td><a href="#">Join</a></td>
        </tr>
        <tr>
          <td>Math Wizards</td>
          <td>Mathematics</td>
          <td>Tuesday, 6 PM</td>
          <td>Collaborate on solving complex math problems.</td>
          <td><a href="#">Join</a></td>
        </tr>
      </tbody>
    </table>
    <hr>
    <div>About Contact <span>© 2024 Study Buds. All rights reserved</span></div>
  </body>
</html>

```

- My Phone View:



The screenshot shows the 'Create New Study Group' form within the StudyBuds app. The header bar displays the URL 'layankandil.github.io' and a lock icon. The main navigation bar includes 'StudyBuds' with a logo, 'Home', 'Profile', and 'Available Groups'. The form fields are as follows:

- Group Name:** A text input field containing the placeholder 'Enter a unique group name. e.g., Science Explorers'.
- Subject:** A dropdown menu labeled 'Select a subject'.
- Schedule:** A text input field containing the placeholder 'e.g., Mondays at 5 PM'.
- Description:** A text input field containing the placeholder 'Provide a brief description of the group.'

A blue 'Create Group' button is located at the bottom left of the form area. At the very bottom of the screen, there is a footer bar with links for 'About' and 'Contact', and the copyright notice '© 2024 Study Buds. All rights reserved.' Below the footer are several small, light-blue navigation icons.

**University of Jeddah**

**College of Computer Science and Engineering**

**Department of Cybersecurity**



# Phase 2

- Login Code:

```

View Go Run ... ← → ⌂ StudyBuds
Login.html X
HTML > Login.html > HTML > body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <link rel="stylesheet" href="/CSS/styles.css">
7      <title>Login - Study Buds</title>
8  </head>
9  <body>
10     <header>
11         <div class="logo-container">
12             
13             <h1 id="SB">StudyBuds</h1>
14         </div>
15         <nav>
16             <ul>
17                 <li><a href="/HTML/index.html">Home</a></li>
18                 <li><a href="/HTML/sign_up.html">Sign Up</a></li>
19             </ul>
20         </nav>
21     </header>
22     <main>
23         <h1>Login to Study Buds</h1>
24         <form id="loginForm">
25             <label for="username">Username:</label>
26             <input type="text" id="username" name="username" required placeholder="Enter your username"
27                   minlength="4" maxlength="15" title="4-15 characters">
28             <label for="password">Password:</label>
29             <input type="password" id="password" name="password" required placeholder="Enter your password"
30                   minlength="6" maxlength="50" pattern="^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(6,)" title="Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number.">
31             <button type="submit">Log In</button>
32         </form>
33         <div id="message"></div>
34     </main>
35     <footer>
36         <nav>
37             <ul>
38                 <li><a href="/HTML/about_us.html">About</a></li>
39                 <li><a href="/HTML/contact_us.html">Contact</a></li>
40             </ul>
41         </nav>
42         <p>&copy; 2024 Study Buds. All rights reserved.</p>
43     </footer>
44
45     <script>
46         document.getElementById('loginForm').addEventListener('submit', function(event) {
47             event.preventDefault();
48
49             const username = document.getElementById('username').value;
50             const password = document.getElementById('password').value;
51             const messageDiv = document.getElementById('message');
52
53             // Clear previous messages
54             messageDiv.innerText = '';
55
56             // Username validation: Check length and character constraints
57             if (username.length < 4 || username.length > 15) {
58                 messageDiv.innerText = 'Username must be between 4 and 15 characters.';
59                 messageDiv.style.color = 'red';
60                 return; // Stop execution
61             }
62
63             // Password validation: Check length and format
64             const passwordPattern = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(6,)$/;
65             if (!passwordPattern.test(password)) {
66                 messageDiv.innerText = 'Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number.';
67                 messageDiv.style.color = 'red';
68                 return; // Stop execution
69             }
70
71             // If validations pass, proceed with form submission
72             const formData = new FormData(this);
73             const data = Object.fromEntries(formData.entries());
74
75             fetch('/login', { // POST login request to your server
76                 method: 'POST',
77                 headers: {
78                     'Content-Type': 'application/json',
79                 },
80                 body: JSON.stringify(data)
81             })
82             .then(response => response.json())
83             .then(response => {
84                 // Check if the response contains the user_id and status
85                 if (response.status === 'success' && response.user_id) {
86                     sessionStorage.setItem('user_id', response.user_id); // Store user_id in sessionStorage
87                     alert(response.message); // Show success message
88                     window.location.href = '/HTML/profile.html?user_id=' + response.user_id; // Redirect to profile page with user_id
89
90                 } else {
91                     messageDiv.innerText = response.message;
92                     messageDiv.style.color = 'red';
93                 }
94             })
95             .catch(error => {
96                 console.error('Error logging in:', error);
97                 messageDiv.innerText = 'An error occurred. Please try again.\n' + error;
98                 messageDiv.style.color = 'red';
99             });
100         });
101     </script>
102 </body>
103 </html>

```



- Signup Code:

```
File Edit Selection View Go Run ... ↶ → ⚡ StudyBuds

EXPLORER
OPEN FOLDERS
  LogIn.html
  Sign Up.html
  stuwave.css
  # style.css
  HTML
    LogIn.html
    Sign Up.html
  stuwave.js
  node_modules
  study-buds
  package-lock.json
  package.json
  server.js

SIGN UP PAGE SOURCE CODE
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="/CSS/styles.css">
    <title>Sign Up - Study Buds</title>
  </head>
  <body>
    <header>
      <div class="logo-container">
        
        <h1 id="h1">StudyBuds</h1>
      </div>
    </header>
    <nav>
      <ul>
        <li><a href="/index.html">Home</a></li>
        <li><a href="/Login.html">Login</a></li>
      </ul>
    </nav>
    <div>
      <h3>Create an Account</h3>
      <form>
        <label>Full Name:</label>
        <input type="text" id="name" name="name" required placeholder="e.g., Leyan Kendall" pattern="[A-Za-z ]{1,30}">
        <small>(Only letters and spaces allowed. 5-30 characters)</small>
        <label>Username:</label>
        <input type="text" id="username" name="username" required placeholder="Choose a username" minlength="4" maxlength="10" title="4-30 characters" pattern="^([a-zA-Z][a-zA-Z0-9]{2,9})$">
        <label>Email:</label>
        <input type="email" id="email" name="email" required placeholder="e.g., example@mail.com" pattern="^([a-zA-Z][a-zA-Z0-9]{2,25})@([a-zA-Z][a-zA-Z0-9]{2,5})\.(com|org|net|edu|gov|info|biz)$">
        <label>Password:</label>
        <input type="password" id="password" name="password" required placeholder="Enter a valid password." pattern="^(?=.*[A-Z])(?=.*[a-z])(?=.*[0-9]).{6,}$">
        <small>Minimum 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number.</small>
        <label>Bio:</label>
        <input type="text" id="bio" name="bio" placeholder="Tell us about yourself (optional)" maxlength="200" title="Maximum 200 characters.">
        <button type="submit">Sign Up</button>
      </form>
    </div>
  </body>
</html>
```

```
stuwave.js
# CSS
# style.css
HTML
  About_Us.html
  Available_Groups.html
  Contact_Us.html
  Create_Stu_Group.html
  index.html
  Login.html
  Profile.html
  Sign Up.html
MEDIA
  node_modules
  study-buds
  package-lock.json
  package.json
  server.js

SIGN UP PAGE SOURCE CODE
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="/CSS/styles.css">
    <title>About Us - Study Buds</title>
  </head>
  <body>
    <header>
      <div>
        <ul>
          <li><a href="/about_us.html">About</a></li>
          <li><a href="/contact_us.html">Contact</a></li>
        </ul>
      </div>
    </header>
    <p>© 2024 Study Buds. All rights reserved.</p>
    <script>
      document.getElementById('signUpForm').addEventListener('submit', function(event) {
        event.preventDefault(); // Prevent default form submission

        // Clear previous messages
        document.getElementById('message').innerText = '';

        // Collect form data
        const name = document.getElementById('name').value.trim();
        const username = document.getElementById('username').value.trim();
        const email = document.getElementById('email').value.trim();
        const password = document.getElementById('password').value.trim();
        const bio = document.getElementById('bio').value.trim();

        // Validation Errors
        const errorMessages = [];

        // Validate Full Name
        if ((name.length < 4 || name.length > 30) || !/[A-Za-z ]{1,30}/.test(name)) {
          errorMessages.push("Full name must be 4-30 characters and can only contain letters and spaces.");
        }

        // Validate User Name
        if (username.length < 4 || username.length > 30) {
          errorMessages.push("Username must be 4-30 characters long.");
        }

        // Validate Email
        const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.(a-zA-Z){2,}\$/;
        if (!emailPattern.test(email)) {
          errorMessages.push("Please enter a valid email address.");
        }

        // Validate Password
        if (password.length < 6 || password.length > 50 || !/^(?=.*[a-zA-Z])(?=.*[0-9]).{6,50}/.test(password)) {
          errorMessages.push("Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number.");
        }

        // Show Error Messages
        if (errorMessages.length > 0) {
          document.getElementById('message').innerText = errorMessages.join("\n");
          document.getElementById('message').style.color = "red";
          return; // Stop form submission
        }

        // If validation passes, prepare data for submission
        const data = {
          name,
          username,
          email,
          password,
          bio
        };

        // Send data to the server
        fetch('/signUp', {
          method: 'POST',
          headers: {
            'Content-Type': 'application/json',
          },
          body: JSON.stringify(data)
        })
        .then(response => response.json())
        .then(response => {
          console.log(response);
          if (response.message) {
            alert(response.message);
            if (response.message === 'User registered successfully') {
              window.location.href = '/Login.html'; // Redirect to login page after success
            }
          }
        })
        .catch(error => {
          console.error('Error:', error);
          const errorMessage = error.message || 'An unknown error occurred';
          document.getElementById('message').innerText = errorMessage;
          document.getElementById('message').style.color = "red";
        });
      });
    </script>
  </body>
</html>
```



- Contact Us Code:

The screenshot shows a code editor interface with multiple tabs open. The main tab displays an HTML file named 'Contact\_Uch.html' containing a contact form. The code includes fields for name, gender, mobile number, date of birth, email, language preference, and a message area. It also features a footer with copyright information. A separate CSS file, 'styles.css', is linked at the top of the HTML page. The left sidebar shows a tree view of the project structure, including files like 'About\_Uch.html', 'index.html', 'Login.html', 'Profile.html', 'Sign\_Up.html', and 'server.js'. The bottom left corner has a 'OUTLINE' button.

```
<!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="./CSS/styles.css">
    <title>Contact Us - Study Buds</title>
  </head>
  <body>
    <header>
      <div class="logo-container">
        
        <h1 id="SB">StudyBuds</h1>
      </div>
      <nav>
        <ul>
          <li><a href="index.html">Home</a></li>
        </ul>
      </nav>
    </header>
    <main>
      <h1>Contact Us:</h1>
      <form id="contactForm">
        <label for="name">First and Last Name:</label>
        <input type="text" id="name" name="name" required minlength="2" maxlength="30" placeholder="e.g., Maryam Alotaibi" pattern="^A-Za-z\d{1,15}$" title="Only letters and spaces allowed.">

        <label for="gender">Gender:</label>
        <select id="gender" name="gender" required>
          <option value="" disabled selected>Select your gender</option>
          <option value="male">Male</option>
          <option value="female">Female</option>
        </select>

        <label for="mobile">Mobile:</label>
        <input type="tel" id="mobile" name="mobile" required placeholder="e.g., +966512345678" pattern="^\+966[0-9]{8}(\d\$)" title="Please enter a valid mobile number." maxlength="13">

        <label for="dob">Date of Birth:</label>
        <input type="date" id="dob" name="dob" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required placeholder="e.g., example@gmail.com" pattern="^([a-zA-Z0-9_\.\-]+@[a-zA-Z0-9\.\-]+\.[a-zA-Z]{2,3})\$" title="Please enter a valid email address. 8-60 characters." maxlength="60" minlength="8">

        <label for="language">Preferred Language:</label>
        <select id="language" name="language" required>
          <option value="" disabled selected>Select your language</option>
          <option value="arabic">Arabic</option>
          <option value="english">English</option>
        </select>

        <label for="message">Message:</label>
        <textarea id="message" name="message" placeholder="Your message here..." required maxlength="250"></textarea>

        <button type="submit">Submit</button>
      </form>
      <h3>Or Contact Directly Via: <a href="mailto:StudyBudsInfo@hotmail.com">StudyBudsInfo@hotmail.com</a></h3>
    </main>
    <footer>
      <nav>
        <ul>
          <li><a href="#">About Us.html</a></li>
        </ul>
      </nav>
      <p>© 2024 Study Buds. All rights reserved.</p>
    </footer>
  </body>
</html>
```

```
# styles.css
HTML
  About_Uch.html
  Available_Groups.ht...
  Contact_Uch.html
  Create_St...
  MEDIA
  node_modules
  study-buds
  package-lock.json
  package.json
server.js
```

```

# styles.css
 88 // Validation Errors
 89 const errorMessages = [];
 90
 91 // Validate Name
 92 if (name.length < 2 || name.length > 30 || !/[a-zA-Z\s]+/.test(name)) {
 93   errorMessages.push("Name must be 2-30 characters and can only contain letters and spaces.");
 94 }
 95
 96 // Validate Gender
 97 if (!gender) {
 98   errorMessages.push("Please select your gender.");
 99 }
100
101 // Validate Mobile Number
102 const mobilePattern = /^[+]?[9][6][5][0-9]{8}$/;
103 if (!mobilePattern.test(mobile)) {
104   errorMessages.push("Please enter a valid mobile number (e.g., +966512345678).");
105 }
106
107 // Validate Date of Birth
108 if (!dob) {
109   errorMessages.push("Date of Birth is required.");
110 }
111
112 // Validate Email
113 const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}\$/;
114 if (!emailPattern.test(email)) {
115   errorMessages.push("Please enter a valid email address.");
116 }
117
118 // Validate Preferred Language
119 if (!language) {
120   errorMessages.push("Please select your preferred language.");
121 }
122
123 // Validate Message
124 if (message.length === 0 || message.length > 250) {
125   errorMessages.push("Message is required and cannot exceed 250 characters.");
126 }

<script>
 127 // Show Error Messages
 128 if (errorMessages.length > 0) {
 129   alert(errorMessages.join("\n")); // Show all error messages
 130   return; // Stop form submission
 131 }
 132
 133 // If validation passes, prepare data for submission
 134 const data = {
 135   gender,
 136   mobile,
 137   dob,
 138   email,
 139   language,
 140   message
 141 };
 142
 143 // Send data to the server
 144 fetch('/submit-contact', {
 145   method: 'POST',
 146   headers: {
 147     'Content-Type': 'application/json',
 148   },
 149   body: JSON.stringify(data)
 150 },
 151   .then(response => response.json())
 152   .then(response => {
 153     alert(response.message);
 154     document.getElementById('contactForm').reset(); // Reset form after submission
 155   })
 156   .catch(error => {
 157     console.error(`Error: ${error}`);
 158     alert(`There was an error submitting the form. Please try again.\n${error}`);
 159   });
 160 });
 161
 162 </script>
 163
 164 </body>
 165 </html>

```

- Available Groups Code:

```

  ▷ Sign_Up.html  ▷ Available_Groups.html ×
Phase2 > StudyBuds > HTML > ▷ Available_Groups.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <link rel="stylesheet" href="../CSS/styles.css">
7      <title>Available Groups - Study Buds</title>
8  </head>
9  <body>
10     <header>
11         <div class="logo-container">
12             
13             <h1 id="SB">StudyBuds</h1>
14         </div>
15         <nav>
16             <ul>
17                 <li><a href="index.html">Home</a></li>
18                 <li><a href="Profile.html">Profile</a></li>
19                 <li><a href="Create_Study_Group.html">Create Group</a></li>
20             </ul>
21         </nav>
22     </header>
23
24     <main>
25         <h1>Available Study Groups</h1>
26         <h2>Filter Groups by Interests</h2>
27         <label for="interest">Select Interest:</label>
28         <select id="interest" onchange="filterGroups()">
29             <option value="all">All</option>
30             <option value="science">Science</option>
31             <option value="mathematics">Mathematics</option>
32             <option value="literature">Literature</option>
33             <option value="history">History</option>
34             <option value="art">Art</option>
35             <option value="technology">Technology</option>
36         </select>
37         <table class="study-groups">
38             <thead>
39                 <tr>
40                     <th>Group Name</th>
41                     <th>Subject</th>
42                     <th>Schedule</th>
43                     <th>Description</th>
44                     <th>Action</th>
45                 </tr>
46             </thead>
47             <tbody id="group-table-body">
48                 <!-- Groups will be populated here -->
49             </tbody>
50         </table>
51     </main>
52
53     <footer>
54         <nav>
55             <ul>
56                 <li><a href="About_Us.html">About</a></li>
57                 <li><a href="Contact_Us.html">Contact</a></li>
58             </ul>
59         </nav>
60         <p>&copy; 2024 Study Buds. All rights reserved.</p>
61     </footer>
62
63     <script>
64         document.addEventListener('DOMContentLoaded', function() {
65             fetchGroups(); // Fetch groups when the page loads
66
67             // Fetch groups from the server
68             function fetchGroups() {
69                 console.log("Fetching available groups...");
70                 fetch('/available-groups')
71                     .then(response => {
72

```

```

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    if (!response.ok) {
      throw new Error('Network response was not ok');
    }
    return response.json();
  })
  .then(groups => {
    console.log("Groups retrieved:", groups);
    populateGroups(groups);
  })
  .catch(error => {
    console.error('There was a problem with the fetch operation:', error);
    alert('Error fetching groups. Please try again.\n'+error);
  });
}

// Populate the table with group data
function populateGroups(groups) {
  console.log("Populating groups in table...");
  const tbody = document.getElementById('group-table-body');
  tbody.innerHTML = ''; // Clear existing content

  groups.forEach(group => {
    const row = document.createElement('tr');
    row.innerHTML = `
      <td>${group.name}</td>
      <td>${group.subject}</td>
      <td>${group.schedule}</td>
      <td>${group.description}</td>
      <td><button onclick="joinGroup(${group.id})">Join</button></td>
    `;
    tbody.appendChild(row);
  });
}

// Join group function
window.joinGroup = function(groupId) {
  const userId = sessionStorage.getItem('user_id'); // Retrieve the logged-in user's ID from session storage

  if (!userId) {
    alert('You must be logged in to join a group.');
    window.location.href = 'login.html'; // Redirect to login if not logged in
    return;
  }

  const requestBody = { userId, groupId };

  fetch('/join-group', {
    method: 'POST',
    headers: {
      'Content-Type': 'application/json'
    },
    body: JSON.stringify(requestBody)
  })
  .then(response => {
    if (!response.ok) {
      return response.json().then(err => {
        throw new Error(err.message || 'Failed to join group');
      });
    }
    alert('You have joined the group successfully!');
    window.location.href = 'Profile.html'; // Redirect to profile page
  })
  .catch(error => {
    console.error('Error joining group:', error);
    alert('There was an error joining the group. Please try again.\n'+error);
  });
};

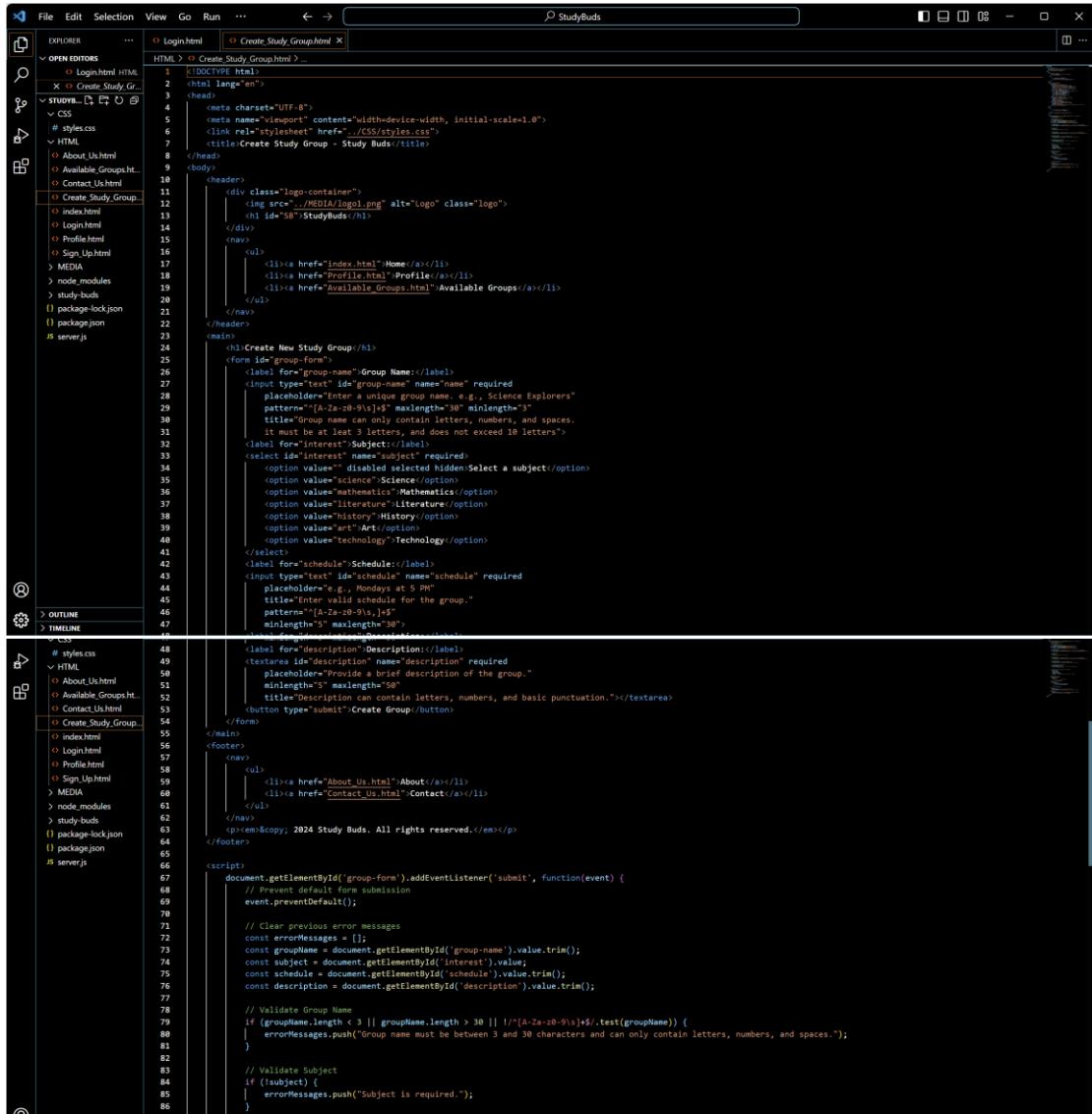
// Filter groups by interest
function filterGroups() {
  const interest = document.getElementById('interest').value;
  const rows = document.querySelectorAll('.study-groups tbody tr');

  rows.forEach(row => {
    const subject = row.cells[1].innerText.toLowerCase();
    if (interest === "all" || subject === interest) {
      row.style.display = ''; // Show
    } else {
      row.style.display = 'none'; // Hide
    }
  });
}

</script>
</body>
</html>

```

- Create Study Group 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="../CSS/styles.css">
    <title>Create Study Group - StudyBuds</title>
  </head>
  <body>
    <header>
      <div class="logo-container">
        
      </div>
      <h1 id="SB">StudyBuds</h1>
    </header>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Profile</a></li>
        <li><a href="#">Available Groups</a></li>
      </ul>
    </nav>
    <main>
      <h3>Create New Study Group</h3>
      <form id="group-form">
        <label form="group-name">Group Name:</label>
        <input type="text" id="group-name" name="name" required
          placeholder="Enter a unique group name, e.g., Science Explorers"
          pattern="^([A-Za-z0-9\s]+)$" maxlength="30" minlength="3"
          title="Group name can only contain letters, numbers, and spaces.
          It must be at least 3 letters, and does not exceed 10 letters">
        <label form="interest">Subject</label>
        <select id="interest" name="subject" required>
          <option value="" disabled selected hidden>Select a subject</option>
          <option value="science">Science</option>
          <option value="mathematics">Mathematics</option>
          <option value="literature">Literature</option>
          <option value="history">History</option>
          <option value="art">Art</option>
          <option value="technology">Technology</option>
        </select>
        <label form="schedule">Schedule:</label>
        <input type="text" id="schedule" name="schedule" required
          placeholder="e.g., Mondays at 5 PM"
          title="Enter valid schedule for the group."
          pattern="^([A-Za-z0-9\s]+)$" maxlength="30"
          minlength="5" maxlength="30">
        <label form="description">Description:</label>
        <textarea id="description" name="description" required
          placeholder="Provide a brief description of the group."
          minlength="5" maxlength="50"
          title="Description can contain letters, numbers, and basic punctuation."></textarea>
        <button type="submit">Create Group</button>
      </form>
    </main>
    <footer>
      <nav>
        <ul>
          <li><a href="#">About Us.html</a></li>
          <li><a href="#">Contact Us.html</a></li>
        </ul>
      </nav>
      <p>©2024 Study Buds. All rights reserved.</p>
    </footer>
  </body>
</html>

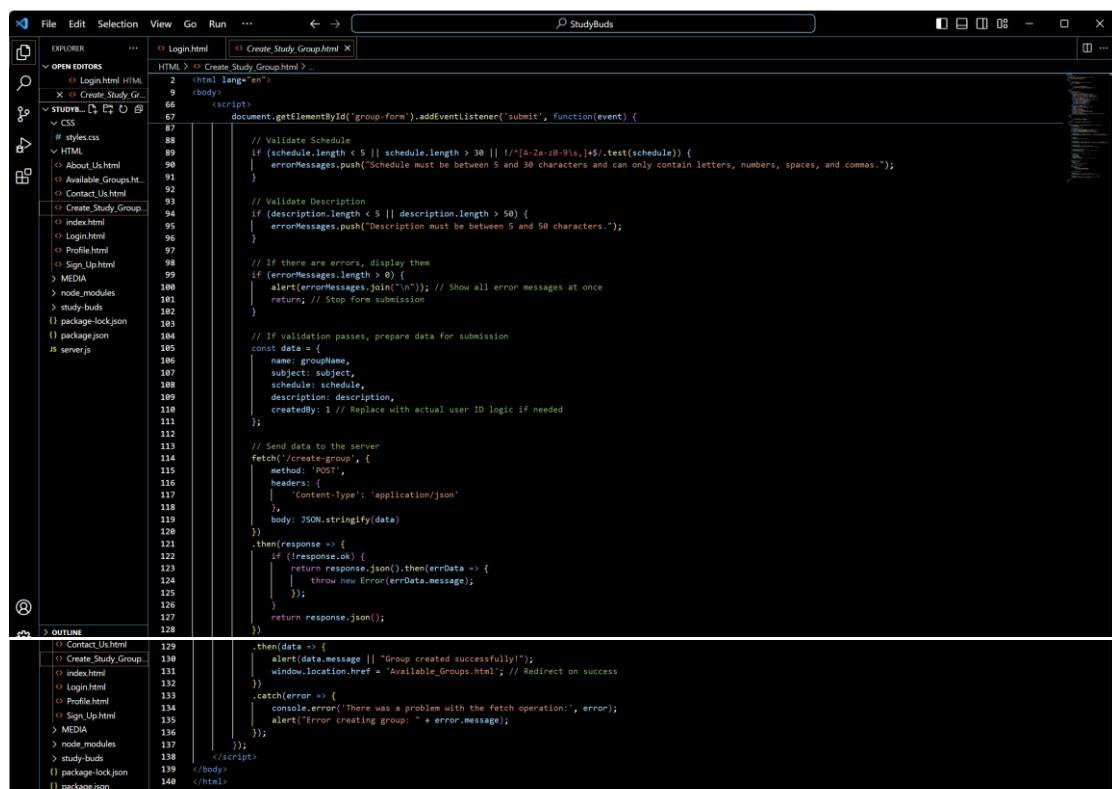
<script>
  document.getElementById('group-form').addEventListener('submit', function(event) {
    // Prevent default form submission
    event.preventDefault();

    // Clear previous error messages
    const errorMessages = [];
    const groupName = document.getElementById('group-name').value.trim();
    const subject = document.getElementById('interest').value;
    const schedule = document.getElementById('schedule').value.trim();
    const description = document.getElementById('description').value.trim();

    // Validate Group Name
    if (groupName.length < 3 || groupName.length > 30 || !/^([A-Za-z0-9\s]+)$/.test(groupName)) {
      errorMessages.push("Group name must be between 3 and 30 characters and can only contain letters, numbers, and spaces.");
    }

    // Validate Subject
    if (!subject) {
      errorMessages.push("Subject is required.");
    }
  });
</script>

```



```

<html lang="en">
  <body>
    <script>
      document.getElementById('group-form').addEventListener('submit', function(event) {
        // Validate Schedule
        if (schedule.length < 5 || schedule.length > 30 || !/[A-Za-z0-9\s,.]/.test(schedule)) {
          errorMessages.push("Schedule must be between 5 and 30 characters and can only contain letters, numbers, spaces, and commas.");
        }

        // Validate Description
        if (description.length < 5 || description.length > 50) {
          errorMessages.push("Description must be between 5 and 50 characters.");
        }

        // If there are errors, display them
        if (errorMessages.length > 0) {
          alert(errorMessages.join("\n")); // Show all error messages at once
          return; // Stop form submission
        }

        // If validation passes, prepare data for submission
        const data = {
          name: groupName,
          subject: subject,
          schedule: schedule,
          description: description,
          createdBy: 1 // Replace with actual user ID logic if needed
        };

        // Send data to the server
        fetch('/create-group', {
          method: 'POST',
          headers: {
            'Content-type': 'application/json'
          },
          body: JSON.stringify(data)
        })
        .then(response => {
          if (!response.ok) {
            return response.json().then(errData => {
              throw new Error(errData.message);
            });
          }
          return response.json();
        })
        .then(data => {
          if (data.message) {
            alert(data.message || "Group created successfully!");
            window.location.href = "Available_Groups.html"; // Redirect on success
          }
        })
        .catch(error => {
          console.error('There was a problem with the fetch operation:', error);
          alert(`Error creating group: ${error.message}`);
        });
      });
    </script>
  </body>
</html>

```

- Profile Code:

```

  Profile.html X
StudyBuds > HTML > Profile.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <link rel="stylesheet" href="/css/styles.css">
7      <title>Your Profile - Study Buds</title>
8  </head>
9  <body>
10     <header>
11         <div class="logo-container">
12             
13             <h1 id="SB">StudyBuds</h1>
14         </div>
15         <nav>
16             <ul>
17                 <li><a href="/">Home</a></li>
18                 <li><a href="/HTML/Available_Groups.html">Available Groups</a></li>
19                 <li><a href="/HTML/Create_Stud<...>Create Group</a></li>
20             </ul>
21         </nav>
22     </header>
23
24     <main>
25         <h1>Your Profile</h1>
26         <section>
27             <h2>Profile Information</h2>
28             <p><strong>Name:</strong> <span id="profile-name">Loading...</span></p>
29             <p><strong>Email:</strong> <span id="profile-email">Loading...</span></p>
30             <p><strong>Bio:</strong> <span id="profile-bio">Loading...</span></p>
31         </section>
32         <section id="my-groups">
33             <h2>Your Study Groups</h2>
34             <table class="study-groups">
35                 <thead>
36                     <tr>
37                         <th>Group Name</th>
38                         <th>Subject</th>
39                         <th>Schedule</th>
40                         <th>Description</th>
41                         <th>Action</th>
42                     </tr>
43                 </thead>
44                 <tbody>
45                     <!-- Groups will be populated here -->
46                 </tbody>
47             </table>
48         </section>
49     </main>
50
51     <footer>
52         <nav>
53             <ul>
54                 <li><a href="/HTML/About_Us.html">about</a></li>
55                 <li><a href="/HTML>Contact_Us.html">Contact</a></li>
56             </ul>
57         </nav>
58         <p><em>&copy; 2024 Study Buds. All rights reserved.</em></p>
59     </footer>
60
61     <script>
62         document.addEventListener('DOMContentLoaded', function() {
63             const userId = sessionStorage.getItem('user_id'); // Get the user ID from sessionStorage
64
65             if (!userId) {
66                 alert("You must be logged in to view your profile.");
67                 window.location.href = '/HTML/login.html'; // Redirect to login if not logged in
68             }
69         })

```

```

71      fetchUserProfile(userId);
72      fetchUserGroups(userId);
73      fetchAvailableGroups();
74    });
75
76    // Fetch user profile information
77    function fetchUserProfile(userId) {
78      fetch(`/user-profile/${userId}`)
79        .then(response => response.json())
80        .then(data => {
81          document.getElementById('profile-name').innerText = data.name;
82          document.getElementById('profile-email').innerText = data.email;
83          document.getElementById('profile-bio').innerText = data.bio;
84        })
85        .catch(error => {
86          console.error('Error fetching user profile:', error);
87          alert('Error loading profile information. Please try again.\n' +error);
88        });
89    }
90
91    // Fetch user's groups
92    function fetchUserGroups(userId) {
93      fetch(`/user-groups/${userId}`)
94        .then(response => response.json())
95        .then(groups => {
96          populateUserGroups(groups);
97        })
98        .catch(error => {
99          console.error('Error fetching user groups:', error);
100         alert('Error loading your groups. Please try again.\n'+error);
101       });
102    }
103
104   // Populate user's groups in the table
105   function populateUserGroups(groups) {
106     const tbody = document.querySelector('#my-groups tbody');
107     tbody.innerHTML = ''; // Clear existing content
108
109     groups.forEach(group => {
110       const row = document.createElement('tr');
111       row.innerHTML = `
112         <td>${group.name}</td>
113         <td>${group.subject}</td>
114         <td>${group.schedule}</td>
115         <td>${group.description}</td>
116         <td><button onclick="leaveGroup(${group.id})">Leave</button></td>
117       `;
118       tbody.appendChild(row);
119     });
120   }
121
122   // Leave group function
123   function leaveGroup(groupId) {
124     const userId = sessionStorage.getItem('user_id'); // Get the user ID from sessionStorage
125
126     fetch('/leave-group', {
127       method: 'POST',
128       headers: {
129         'Content-Type': 'application/json',
130       },
131       body: JSON.stringify({ userId, groupId }),
132     })
133     .then(response => {
134       if (!response.ok) {
135         throw new Error('Error leaving group');
136       }
137       alert('You have left the group successfully!');
138
139       fetchUserGroups(userId); // Refresh the user's groups after leaving
140     })
141     .catch(error => {
142       console.error('Error leaving group:', error);
143       alert('There was an error leaving the group. Please try again.\n'+error);
144     });
145   
```



- Server code (with input validation):

JS server.js

```
1 const express = require('express');
2 const mysql = require('mysql2');
3 const bodyParser = require('body-parser');
4 const path = require('path');
5 const bcrypt = require('bcrypt'); // For password hashing
6
7 const app = express();
8 const port = 2500;
9
10 // Middleware
11 app.use(bodyParser.json());
12 app.use(bodyParser.urlencoded({ extended: true })); // To parse URL-encoded bodies
13 app.use('/CSS', express.static(path.join(__dirname, 'CSS'))); // Serve CSS files
14 app.use('/MEDIA', express.static(path.join(__dirname, 'MEDIA'))); // Serve media files
15 app.use('/HTML', express.static(path.join(__dirname, 'HTML'))); // Serve HTML files
16
17 // Serve the homepage
18 app.get("/", (req, res) => {
19   res.sendFile(path.join(__dirname, 'HTML', 'index.html')); // Path to index.html
20 });
21
22 // MySQL connection
23 const pool = mysql.createPool({
24   host: 'localhost',
25   user: 'root', // Replace with your actual DB username
26   password: 'root', // Replace with your actual DB password
27   database: 'studybuds', // Your database name
28   port: 3306, // Default MySQL port
29 });
30
31 // User Signup
32 app.post('/signup', (req, res) => {
33   const { name, username, email, password, bio } = req.body;
34
35   // Server-side validation
36   if (!name || name.length < 5 || name.length > 30 || ! /^[a-zA-Z\s]+$/ .test(name)) {
37     return res.status(400).json({ message: "Name must be between 5 and 30 characters and can only contain letters and spaces." });
38   }
39
40   if (!username || username.length < 4 || username.length > 30) {
41     return res.status(400).json({ message: "Username must be between 4 and 30 characters." });
42   }
43
44   const emailRegex = /^[a-zA-Z0-9.%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
45   if (!email || !emailRegex.test(email)) {
46     return res.status(400).json({ message: "Please enter a valid email address." });
47   }
48
49   if (!password || password.length < 6 || !/(?=.*[a-z])(?=.*[A-Z])(?=.*\d)/ .test(password)) {
50     return res.status(400).json({ message: "Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number." });
51   }
52
53   // Hash the password before storing it
54   bcrypt.hash(password, 10, (err, hash) => {
55     if (err) {
56       console.error("Error hashing password:", err);
57       return res.status(500).json({ message: "Internal server error \n" + err });
58     }
59
60     const query = "INSERT INTO users (name, username, email, password, bio) VALUES (?, ?, ?, ?, ?)";
61     pool.query(query, [name, username, email, hash, bio], (error) => {
62       if (error) {
63         console.error("Error inserting user:", error);
64         return res.status(500).json({ message: "Error signing up: \n" + error });
65       }
66       res.status(200).json({ message: "User registered successfully" });
67     });
68   });
69 });
```

JS server.js

```
32 app.post('/signup', (req, res) => {
33   if (!name || name.length < 5 || name.length > 30 || ! /^[a-zA-Z\s]+$/ .test(name)) {
34     return res.status(400).json({ message: "Name must be between 5 and 30 characters and can only contain letters and spaces." });
35   }
36
37   if (!username || username.length < 4 || username.length > 30) {
38     return res.status(400).json({ message: "Username must be between 4 and 30 characters." });
39
40   const emailRegex = /^[a-zA-Z0-9.%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
41   if (!email || !emailRegex.test(email)) {
42     return res.status(400).json({ message: "Please enter a valid email address." });
43   }
44
45   if (!password || password.length < 6 || !/(?=.*[a-z])(?=.*[A-Z])(?=.*\d)/ .test(password)) {
46     return res.status(400).json({ message: "Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number." });
47   }
48
49   // Hash the password before storing it
50   bcrypt.hash(password, 10, (err, hash) => {
51     if (err) {
52       console.error("Error hashing password:", err);
53       return res.status(500).json({ message: "Internal server error \n" + err });
54     }
55
56     const query = "INSERT INTO users (name, username, email, password, bio) VALUES (?, ?, ?, ?, ?)";
57     pool.query(query, [name, username, email, hash, bio], (error) => {
58       if (error) {
59         console.error("Error inserting user:", error);
60         return res.status(500).json({ message: "Error signing up: \n" + error });
61       }
62       res.status(200).json({ message: "User registered successfully" });
63     });
64   });
65 });
```

```

js server.js > ⏎ app.get("/") callback
71 // User Login
72 app.post('/login', (req, res) => {
73   const { username, password } = req.body;
74
75   // Server-side validation
76   if (!username || username.length < 4 || username.length > 15) {
77     return res.status(400).json({ message: "Username must be between 4 and 15 characters." });
78   }
79
80   if (!password || password.length < 6) {
81     return res.status(400).json({ message: "Password must be at least 6 characters long." });
82   }
83
84   const query = "SELECT * FROM users WHERE username = ?";
85   pool.query(query, [username], (error, results) => {
86     if (error) {
87       console.error("Error retrieving user:", error);
88       return res.status(500).json({ message: "Error logging in: \n" + error });
89     }
90     if (results.length === 0) {
91       return res.status(401).json({ message: "Invalid username or password" });
92     }
93
94     const user = results[0];
95     bcrypt.compare(password, user.password, (err, match) => {
96       if (err) {
97         console.error("Error comparing passwords:", err);
98         return res.status(500).json({ message: "Internal server error: \n" + err });
99       }
100      if (match) {
101        return res.status(401).json({ message: "Invalid username or password" });
102      }
103
104      // Send user ID and success message back
105      res.json({
106        status: 'success',
107        message: 'Login successful',
108        user_id: user.id // This is important, ensure user_id is sent back
109      });
110    });
111  });
112
113 // Fetch user profile
114 app.get("/user-profile/:userId", (req, res) => {
115   const userId = req.params.userId;
116   const query = "SELECT name, email, bio FROM users WHERE id = ?";
117   pool.query(query, [userId], (error, results) => {
118     if (error) {
119       console.error("Error retrieving user profile:", error);
120       return res.status(500).send("Error retrieving user profile: \n" + error);
121     }
122     if (results.length === 0) {
123       return res.status(404).send("User not found");
124     }
125     res.json(results[0]);
126   });
127  );
128
129 // Fetch user groups
130 app.get("/user-groups/:userId", (req, res) => {
131   const userId = req.params.userId;
132   const query = `
133     SELECT g.id, g.name, g.subject, g.schedule, g.description
134     FROM groups g
135     JOIN user_groups ug ON g.id = ug.group_id
136     WHERE ug.user_id = ?`;
137   pool.query(query, [userId], (error, results) => {
138     if (error) {
139       console.error("Error retrieving user groups:", error);
140     }
141   });

```

```

141   |     return res.status(500).send("Error retrieving user groups: \n" + error);
142   |   }
143   |   res.json(results);
144   });
145 });
146
147 // Create a new group
148 app.post("/create-group", (req, res) => {
149   const { name, subject, schedule, description } = req.body;
150
151   // Server-side validation
152   if (!name || name.length < 3 || name.length > 30 || !/[a-zA-Z0-9\s]+/.test(name)) {
153     return res.status(400).json({ message: "Group name must be between 3 and 30 characters and can only contain letters, numbers, and spaces." });
154   }
155
156   if (!subject) {
157     return res.status(400).json({ message: "Subject is required." });
158   }
159
160   if (!schedule || schedule.length < 5 || schedule.length > 30 || !/[a-zA-Z0-9\s]+/.test(schedule)) {
161     return res.status(400).json({ message: "Schedule must be between 5 and 30 characters and can only contain letters, numbers, spaces, and commas." });
162   }
163
164   if (!description || description.length < 5 || description.length > 50) {
165     return res.status(400).json({ message: "Description must be between 5 and 50 characters." });
166   }
167
168   // Check if the group name already exists
169   const checkQuery = "SELECT * FROM groups WHERE name = ?";
170   pool.query(checkQuery, [name], (checkError, results) => {
171     if (checkError) {
172       console.error("Error checking group name:", checkError);
173       return res.status(500).json({ message: "Internal server error while checking group name." });
174     }
175
176     if (results.length > 0) {
177       return res.status(400).json({ message: "Group name is already in use." });
178     }
179
180     // If the group name is unique, proceed to insert
181     const insertQuery = "INSERT INTO groups (name, subject, schedule, description, created_at) VALUES (?, ?, ?, ?, NOW())";
182     pool.query(insertQuery, [name, subject, schedule, description], (insertError) => {
183       if (insertError) {
184         console.error("Error inserting group:", insertError);
185         return res.status(500).json({ message: "Error creating group: " + insertError.message });
186       }
187       res.status(201).json({ message: "Group created successfully" });
188     });
189   });
190 });
191
192 // Fetch available groups
193 app.get("/available-groups", (req, res) => {
194   const interest = req.query.interest;
195   let query = "SELECT * FROM groups";
196   if (interest && interest !== "all") {
197     query += ` WHERE subject = ?`;
198   }
199
200   pool.query(query, [interest], (error, results) => {
201     if (error) {
202       console.error("Error retrieving groups:", error);
203       return res.status(500).send("Error retrieving groups: \n" + error);
204     }
205     res.json(results);
206   });
207 });
208
209 // Join a group
210 app.post("/join-group", (req, res) => {
211   const { userId, groupId } = req.body;
212
213   if (!userId || !groupId) {
214     return res.status(400).json({ message: 'Missing userId or groupId' });
215   }
216
217   const query = "INSERT INTO user_groups (user_id, group_id) VALUES (?, ?)";
218   pool.query(query, [userId, groupId], (error) => {
219     if (error) {
220       console.error("Error joining group:", error);
221       return res.status(500).json({ message: 'Error joining group: \n' + error });
222     }
223     res.json({ message: 'Successfully joined the group' });
224   });
225 });
226
227 // Leave a group
228 app.post("/leave-group", (req, res) => {
229   const { userId, groupId } = req.body;
230   const query = "DELETE FROM user_groups WHERE user_id = ? AND group_id = ?";
231   pool.query(query, [userId, groupId], (error) => {
232     if (error) {
233       console.error("Error leaving group:", error);
234       return res.status(500).send("Error leaving group: \n" + error);
235     }
236     res.send("Successfully left the group");
237   });
238 });
239
240 // Contact Us Form Submission Route
241 app.post('/submit-contact', (req, res) => {
242   const { name, gender, mobile, dob, email, language, message } = req.body;
243
244   // Validation
245

```

```

242 app.post('/submit-contact', (req, res) => {
243   const errorMessages = [];
244
245   // Validate Name
246   if (!name || name.length < 2 || name.length > 30 || !/^[A-Za-z\s]+$/i.test(name)) {
247     |   errorMessages.push("Name must be 2-30 characters and can only contain letters and spaces.");
248   }
249
250   // Validate Gender
251   if (!gender || (gender !== 'male' && gender !== 'female')) {
252     |   errorMessages.push("Gender must be selected as Male or Female.");
253   }
254
255   // Validate Mobile Number
256   const mobilePattern = /^+966[0-9]{8}$/;
257   if (!mobilePattern.test(mobile)) {
258     |   errorMessages.push("Please enter a valid mobile number (e.g., +966512345678).");
259   }
260
261   // Validate Date of Birth
262   const birthDate = new Date(dob);
263   const today = new Date();
264   const age = today.getFullYear() - birthDate.getFullYear();
265   const monthDiff = today.getMonth() - birthDate.getMonth();
266   if (monthDiff < 0 || (monthDiff === 0 && today.getDate() < birthDate.getDate())) {
267     |   age--;
268   }
269   if (age < 15) {
270     |   errorMessages.push("You must be older than 15 years old.");
271   }
272
273   // Validate Email
274   const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
275   if (!emailPattern.test(email)) {
276     |   errorMessages.push("Please enter a valid email address.");
277   }
278
279   |   errorMessages.push("Please enter a valid email address.");
280 }
281
282   // Validate Language
283   if (!language || (language !== 'arabic' && language !== 'english')) {
284     |   errorMessages.push("Preferred language must be selected.");
285   }
286
287   // Validate Message
288   if (!message || message.length === 0 || message.length > 250) {
289     |   errorMessages.push("Message is required and cannot exceed 250 characters.");
290   }
291
292   // If there are validation errors, send them back
293   if (errorMessages.length > 0) {
294     |   return res.status(400).json({ message: errorMessages.join(", ") });
295   }
296
297   // Prepare SQL query
298   const query = "INSERT INTO contact_us (name, gender, mobile, dob, email, language, message) VALUES (?, ?, ?, ?, ?, ?, ?)";
299
300   // Insert into database
301   pool.query(query, [name, gender, mobile, dob, email, language, message], (error, results) => {
302     |   if (error) {
303       |       console.error('Error inserting contact message:', error);
304       |       return res.status(500).json({ message: 'Error submitting message: ' + error });
305     }
306     |       res.status(200).json({ message: 'Message submitted successfully' });
307   });
308 }
309 // Start server
310 app.listen(port, () => {
311   |   console.log(`Server is running at http://localhost:${port}`);
312 });

```

```

279   |   errorMessages.push("Please enter a valid email address.");
280 }
281
282   // Validate Language
283   if (!language || (language !== 'arabic' && language !== 'english')) {
284     |   errorMessages.push("Preferred language must be selected.");
285   }
286
287   // Validate Message
288   if (!message || message.length === 0 || message.length > 250) {
289     |   errorMessages.push("Message is required and cannot exceed 250 characters.");
290   }
291
292   // If there are validation errors, send them back
293   if (errorMessages.length > 0) {
294     |   return res.status(400).json({ message: errorMessages.join(", ") });
295   }
296
297   // Prepare SQL query
298   const query = "INSERT INTO contact_us (name, gender, mobile, dob, email, language, message) VALUES (?, ?, ?, ?, ?, ?, ?)";
299
300   // Insert into database
301   pool.query(query, [name, gender, mobile, dob, email, language, message], (error, results) => {
302     |   if (error) {
303       |       console.error('Error inserting contact message:', error);
304       |       return res.status(500).json({ message: 'Error submitting message: ' + error });
305     }
306     |       res.status(200).json({ message: 'Message submitted successfully' });
307   });
308 }
309 // Start server
310 app.listen(port, () => {
311   |   console.log(`Server is running at http://localhost:${port}`);
312 });

```

- Input Validation (HTML)

### Login Validation:

```
<main>
  <h1>Login to Study Buds</h1>
  <form id="loginForm">
    <label for="username">Username:</label>
    <input type="text" id="username" name="username" required placeholder="Enter your username"
      minlength="4" maxlength="15" title="4-15 characters">
    <label for="password">Password:</label>
    <input type="password" id="password" name="password" required placeholder="Enter your password"
      minlength="6" maxlength="50" pattern="(?=.*[a-z])(?=.*[A-Z])(?=.*\d).(6,)" title="Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number">
    <button type="submit">Log In</button>
  </form>
  <div id="message"></div>
</main>
```

### Signup Validation:

```
<main>
  <h1>Create an Account</h1>
  <form id="signupForm">
    <label for="name">Full Name:</label>
    <input type="text" id="name" name="name" required placeholder="e.g., Layan Kandil" pattern="[A-Za-z\s]+"
      minlength="5" maxlength="30" title="Only letters and spaces allowed. 5-30 characters">
    <label for="username">User Name:</label>
    <input type="text" id="username" name="username" required placeholder="Choose a username" minlength="4" maxlength="30"
      title="4-30 characters">
    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required placeholder="e.g., example@mail.com"
      pattern="^([a-zA-Z0-9_\.\%+-]+@[a-zA-Z0-9\.\-]+\.[a-zA-Z]{2,})$" title="Please enter a valid email address.">
    <label for="password">Password:</label>
    <input type="password" id="password" name="password" required placeholder="Enter a valid password."
      minlength="6" maxlength="50" pattern="(?=.*[a-z])(?=.*[A-Z])(?=.*\d).(6,)" title="Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one number">
    <label for="bio">Biography:</label>
    <input type="text" id="bio" name="bio" placeholder="Tell us about yourself (optional)"
      maxlength="200" title="maximum 200 characters.">
    <button type="submit">Sign Up</button>
  </form>
  <div id="message"></div>
</main>
<footer>
```

## Contact Us Validation:

```

21 <main>
22   <h1>Contact Us</h1>
23   <form id="contactForm">
24     <label for="name">First and Last Name:</label>
25     <input type="text" id="name" name="name" required minlength="2" maxlength="30"
26       placeholder="e.g., Maryam Alotaibi" pattern="[A-Za-z\s]+"
27       title="Only letters and spaces allowed.">
28
29     <label for="gender">Gender:</label>
30     <select id="gender" name="gender" required>
31       <option value="" disabled selected>Select your gender</option>
32       <option value="male">Male</option>
33       <option value="female">Female</option>
34     </select>
35
36     <label for="mobile">Mobile:</label>
37     <input type="tel" id="mobile" name="mobile" required placeholder="e.g., +966512345678"
38       pattern="^\+966[0-9]{8}$" title="Please enter a valid mobile number.">
39
40     <label for="dob">Date of Birth:</label>
41     <input type="date" id="dob" name="dob" required>
42
43     <label for="email">Email:</label>
44     <input type="email" id="email" name="email" required placeholder="e.g., example@mail.com"
45       pattern="^([a-zA-Z0-9\.\%+-]+@[a-zA-Z0-9\.-]+\.[a-zA-Z]{2,})$"
46       title="Please enter a valid email address. 8-60 characters.">
47
47     <label for="language">Preferred Language:</label>
48     <select id="language" name="language" required>
49       <option value="" disabled selected>Select your language</option>
50       <option value="arabic">Arabic</option>
51       <option value="english">English</option>
52     </select>

```

## Create Study Group Validation:

```

23   <main>
24     <h1>Create New Study Group</h1>
25     <form id="group-form">
26       <label for="group-name">Group Name:</label>
27       <input type="text" id="group-name" name="name" required
28         placeholder="Enter a unique group name. e.g., Science Explorers"
29         pattern="^([A-Za-z0-9\.\%+-]+@[a-zA-Z0-9\.-]+\.[a-zA-Z]{2,})$"
30         title="Group name can only contain letters, numbers, and spaces.
31           It must be at least 3 letters, and does not exceed 10 letters.">
32
33       <label for="interest">Subject:</label>
34       <select id="interest" name="subject" required>
35         <option value="" disabled selected>Select a subject</option>
36         <option value="science">Science</option>
37         <option value="mathematics">Mathematics</option>
38         <option value="literature">Literature</option>
39         <option value="history">History</option>
40         <option value="art">Art</option>
41         <option value="technology">Technology</option>
42       </select>
43       <label for="schedule">Schedule:</label>
44       <input type="text" id="schedule" name="schedule" required
45         placeholder="e.g., Mondays at 5 PM"
46         title="Enter valid schedule for the group."
47         pattern="^([A-Za-z0-9\.\%+-]+@[a-zA-Z0-9\.-]+\.[a-zA-Z]{2,})$"
48         minlength="5" maxlength="30">
49
50       <label for="description">Description:</label>
51       <textarea id="description" name="description" required
52         placeholder="Provide a brief description of the group."
53         minlength="5" maxlength="50"
54         title="Description can contain letters, numbers, and basic punctuation."></textarea>
55       <button type="submit">Create Group</button>
56     </form>
57   </main>

```

- Input Validation (JS Front-end)

### Sign Up Validation:

```

102  function validateForm() {
103    // Clear previous error messages
104    const messageDiv = document.getElementById('message');
105    messageDiv.innerText = '';
106
107    const name = document.getElementById('name').value.trim();
108    const username = document.getElementById('username').value.trim();
109    const email = document.getElementById('email').value.trim();
110    const password = document.getElementById('password').value;
111    const bio = document.getElementById('bio').value.trim();
112
113    // Validate Full Name
114    if (name.length < 5 || name.length > 30 || !/^([A-Za-z\s]+)$/.test(name)) {
115      messageDiv.innerText += 'Full Name must be 5-30 characters and contain only letters and spaces.\n';
116      return false;
117    }
118
119    // Validate Username
120    if (username.length < 4 || username.length > 30) {
121      messageDiv.innerText += 'Username must be 4-30 characters long.\n';
122      return false;
123    }
124
125    // Validate Email
126    const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
127    if (!emailPattern.test(email)) {
128      messageDiv.innerText += 'Please enter a valid email address.\n';
129      return false;
130    }
131
132    // Validate Password
133    if (password.length < 6 || password.length > 50 || !/(?=.*[a-z])(?=.*[A-Z])(?=.*\d)/.test(password)) {
134      messageDiv.innerText += 'Password must be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, and one digit.\n';
135      return false;
136    }
137
138    // Validate Biography (optional, just check max length)
139    if (bio.length > 200) {
140      messageDiv.innerText += 'Biography must not exceed 200 characters.\n';
141      return false;
142    }
143
144    return true; // All validations passed
145  }
146 
```

- Login Validation:

```

46  <script>
47    document.getElementById('loginForm').addEventListener('submit', function(event) {
48      event.preventDefault();
49
50      const username = document.getElementById('username').value;
51      const password = document.getElementById('password').value;
52      const messageDiv = document.getElementById('message');
53
54      // Clear previous messages
55      messageDiv.innerText = '';
56
57      // Username validation: check length and character constraints
58      if (username.length < 4 || username.length > 15) {
59        headers: {
60          'Content-Type': 'application/json',
61        },
62        body: JSON.stringify(data)
63      })
64      .then(response => response.json())
65      .then(response => {
66        // Check if the response contains the user_id and status
67        if (response.status === 'success' && response.user_id) {
68          sessionStorage.setItem('user_id', response.user_id); // Store user_id in sessionStorage
69          alert(response.message); // Show success message
70          window.location.href = '/HTML/profile.html?user_id=${response.user_id}'; // Redirect to profile page with user_id
71        } else {
72          messageDiv.innerText = response.message;
73          messageDiv.style.color = 'red';
74        }
75      })
76      .catch(error => {
77        console.error('Error logging in:', error);
78        messageDiv.innerText = 'An error occurred. Please try again.\n' + error;
79        messageDiv.style.color = 'red';
80      });
81    });
82  </script>

```

## Create Study Group Validation

```

JS server.js | Create_Study_Group.html X
HTML > Create_Study_Group.html > ...
2  <html lang="en">
9   <body>
65   <script>
66     document.getElementById('group-form').addEventListener('submit', function(event) {
67       // Prevent default form submission
68       event.preventDefault();
69
70       // Clear previous error messages
71       const errorMessages = [];
72       const groupName = document.getElementById('group-name').value.trim();
73       const subject = document.getElementById('interest').value;
74       const schedule = document.getElementById('schedule').value.trim();
75       const description = document.getElementById('description').value.trim();
76
77       // Validate Group Name
78       if (groupName.length < 3 || groupName.length > 30 || !/^[\w-]{3,30}$/.test(groupName)) {
79         errorMessages.push("Group name must be between 3 and 30 characters and can only contain letters, numbers, and spaces.");
80       }
81
82       // Validate Subject
83       if (!subject) {
84         errorMessages.push("Subject is required.");
85       }
86
87       // Validate Schedule
88       if (schedule.length < 5 || schedule.length > 30 || !/^[\w-]{5,30}$/.test(schedule)) {
89         errorMessages.push("Schedule must be between 5 and 30 characters and can only contain letters, numbers, spaces, and commas.");
90       }
91
92       // Validate Description
93       if (description.length < 5 || description.length > 50) {
94         errorMessages.push("Description must be between 5 and 50 characters.");
95       }
96
97
98       // If there are errors, display them
99       if (errorMessages.length > 0) {
100         alert(errorMessages.join("\n")); // Show all error messages at once
101         return; // Stop form submission
102       }
103
104       // If validation passes, prepare data for submission
105       const data = {
106         name: groupName,
107         subject: subject,
108         schedule: schedule,
109         description: description,
110         createdBy: 1 // Replace with actual user ID logic if needed
111       };
112
113       // Send data to the server
114       fetch('/create-group', {
115         method: 'POST',
116         headers: {
117           'Content-Type': 'application/json'
118         },
119         body: JSON.stringify(data)
120       })
121       .then(response => {
122         if (!response.ok) {
123           return response.json().then(errData => {
124             throw new Error(errData.message);
125           });
126         }
127         return response.json();
128       })
129       .then(data => {
130         if (data.message) {
131           alert(data.message || "Group created successfully!");
132           window.location.href = 'Available_Groups.html'; // Redirect on success
133         }
134         .catch(error => {
135           console.error('There was a problem with the fetch operation:', error);
136           alert("Error creating group: " + error.message);
137         });
138       });
139     </script>

```

## Contact Us Validation

```

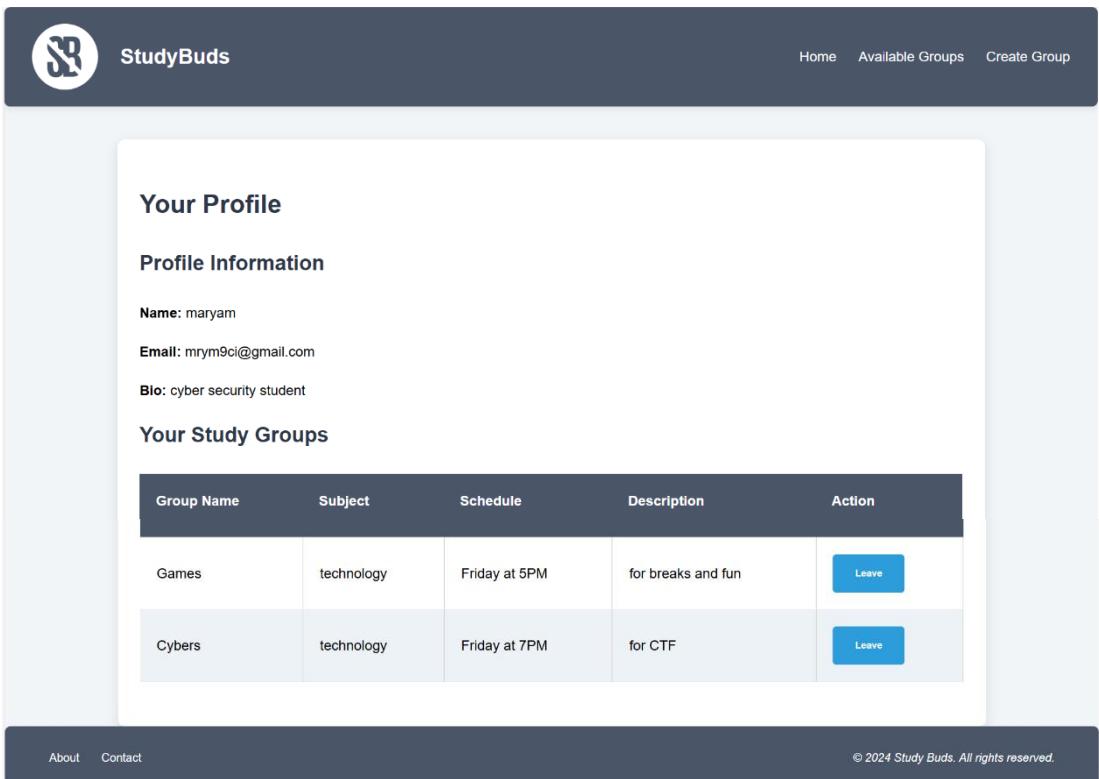
JS server.js | Contact_Us.html X
HTML > Contact_Us.html > ...
2  <html lang="en">
9   <body>
72    <script>
73      document.getElementById('contactForm').addEventListener('submit', function(event) {
74
75        // Clear previous messages
76        document.getElementById('message').innerText = '';
77
78        // Collect form data
79        const name = document.getElementById('name').value.trim();
80        const gender = document.getElementById('gender').value;
81        const mobile = document.getElementById('mobile').value.trim();
82        const dob = document.getElementById('dob').value;
83        const email = document.getElementById('email').value.trim();
84        const language = document.getElementById('language').value;
85        const message = document.getElementById('message').value.trim();
86
87        // Validation Errors
88        const errorMessages = [];
89
90        // Validate Name
91        if (name.length < 2 || name.length > 30 || !/[A-Za-z\s]+/.test(name)) {
92          errorMessages.push("Name must be 2-30 characters and can only contain letters and spaces.");
93        }
94
95        // Validate Gender
96        if (!gender) {
97          errorMessages.push("Please select your gender.");
98        }
99
100       // Validate Mobile Number
101      const mobilePattern = /\+\d{9}/;
102      if (!mobilePattern.test(mobile)) {
103        errorMessages.push("Please enter a valid mobile number (e.g., +966512345678).");
104      }
105
106
107      // Validate Date of Birth
108      if (!dob) {
109        errorMessages.push("Date of birth is required.");
110      }
111
112      // Validate Email
113      const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
114      if (!emailPattern.test(email)) {
115        errorMessages.push("Please enter a valid email address.");
116      }
117
118      // Validate Preferred Language
119      if (!language) {
120        errorMessages.push("Please select your preferred language.");
121      }
122
123      // Validate Message
124      if (message.length === 0 || message.length > 250) {
125        errorMessages.push("Message is required and cannot exceed 250 characters.");
126      }
127
128      // Show Error Messages
129      if (errorMessages.length > 0) {
130        alert(errorMessages.join("\n")); // Show all error messages
131        return; // Stop form submission
132      }
133
134      // If validation passes, prepare data for submission
135      const data = {
136        name,
137        gender,
138        mobile,
139        dob,
140        email,
141        language,
142        message
143      };
144
145      // If validation passes, prepare data for submission
146      const data = {
147        name,
148        gender,
149        mobile,
150        dob,
151        email,
152        language,
153        message
154      };
155
156      // Send data to the server
157      fetch('/submit-contact', {
158        method: 'POST',
159        headers: {
160          'Content-Type': 'application/json',
161        },
162        body: JSON.stringify(data)
163      })
164      .then(response => response.json())
165      .then(response => {
166        alert(response.message);
167        document.getElementById('contactForm').reset(); // Reset form after submission
168      })
169      .catch(error => {
170        console.error('Error:', error);
171        alert('There was an error submitting the form. Please try again.\n' + error);
172      })

```

## Pages used for saving/loading data from the database:

- Loading data

Profile page:



The screenshot shows a user profile page with the following sections:

- Your Profile**: Displays Name: maryam, Email: mrym9ci@gmail.com, and Bio: cyber security student.
- Your Study Groups**: A table listing study groups with columns: Group Name, Subject, Schedule, Description, and Action (Leave).

Group Name	Subject	Schedule	Description	Action
Games	technology	Friday at 5PM	for breaks and fun	<a href="#">Leave</a>
Cybers	technology	Friday at 7PM	for CTF	<a href="#">Leave</a>

At the bottom, there are links for About and Contact, and a copyright notice: © 2024 Study Buds. All rights reserved.

The user profile page serves as a platform for users to view their profile information and the study groups to which they belong. This page interacts with the server to retrieve and update the user's data, thereby offering a dynamic and interactive user experience.

The key functionalities of the page include:

**Fetching User Profile Information:** The page retrieves and displays the user's profile details, such as name, email, and bio.

**Fetching User's Study Groups:** The page queries the server to obtain the list of study groups associated with the user and populates this information in a structured table format.

**Leave Group Functionality:** The page includes a "Leave" button that enables users to exit a study group. This action triggers an update on the server, ensuring that the user's group membership is accurately reflected in the database.



## Available group page:

The screenshot shows a web application interface for "StudyBuds". At the top, there's a header bar with the "StudyBuds" logo and navigation links for "Home", "Profile", and "Create Group". Below the header, a section titled "Available Study Groups" displays a table of available study groups. The table has columns for "Group Name", "Subject", "Schedule", "Description", and "Action". Each row contains a "Join" button. The groups listed are: Games (technology, Friday at 5PM, for breaks and fun), StudyBuds Team (technology, Wednesday at 7PM, for StudyBuds Team), Cybers (technology, Friday at 7PM, for CTF), WEB DEVELOPMENT (technology, Friday at 7PM, to study WEB DEVELOPMENT), and Creative Expressions (art, Monday 11PM, to explore various art forms, including painting, drawing, and digital art). A dropdown menu labeled "Select Interest: All" is also visible.

Group Name	Subject	Schedule	Description	Action
Games	technology	Friday at 5PM	for breaks and fun	<button>Join</button>
StudyBuds Team	technology	wensday at 7PM	for StudyBuds Team	<button>Join</button>
Cybers	technology	Friday at 7PM	for CTF	<button>Join</button>
WEB DEVELOPMENT	technology	Friday at 7PM	to study WEB DEVELOPMENT	<button>Join</button>
Creative Expressions	art	monday 11PM	to explore various art forms, including painting, drawing, and digital art. This group is perfect for artists of all levels who want to enhance their skills, share techniques, and collaborate on projects	<button>Join</button>

About   Contact   © 2024 Study Buds. All rights reserved.

The "Study Buds" web allows users to view available study groups and join them.

**Key Functions:****Fetching Groups:**

On page load, it retrieves available study groups from the database by sending a request to the /available-groups endpoint.

**Populating the Table:**

The retrieved group data is dynamically displayed in a table format, showing details such as group name, subject, schedule, and description.

**Joining a Group:**

Users can join a group by clicking the "Join" button, which triggers a POST request to the /join-group endpoint with the user's ID and group ID. Successful requests redirect users to their profile page.

**Filtering Groups:**

A dropdown menu allows users to filter groups by interest, enhancing navigation and user experience.



- Sending/saving data :**

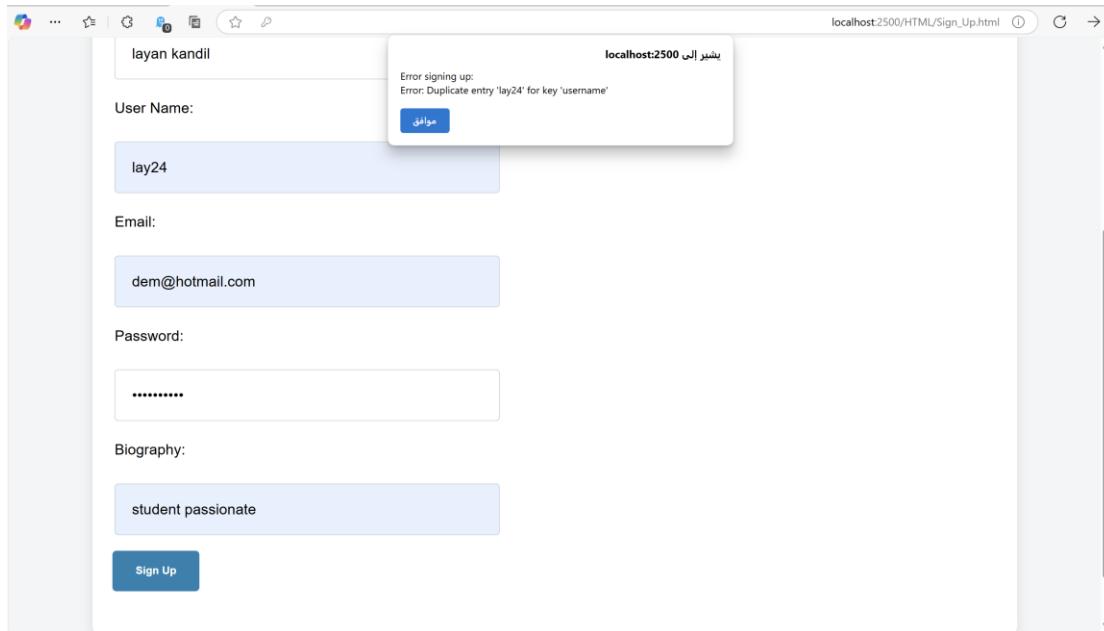
Login page:

The screenshot shows the StudyBuds login interface. At the top, there is a header bar with the StudyBuds logo and navigation links for "Home" and "Sign Up". The main area is titled "Login to Study Buds". It contains two input fields: "Username:" with the value "lay24666" and "Password:" with several dots indicating the password. Below these fields is a blue "Log In" button. A small red error message "Invalid username or password" is displayed just below the password field. At the bottom of the page, there are links for "About" and "Contact", and a copyright notice "© 2024 Study Buds. All rights reserved."

When a user tries to log in, this page checks the user data using the username from the database, if the user exists it checks if the username and password match, so the user can log in

The screenshot shows the StudyBuds login interface after a successful login attempt. The "Login successful" message is displayed in a white box at the top right, along with the text "localhost:2500" and "شفر اس" (which is Arabic for "Localhost"). The rest of the page is identical to the previous screenshot, showing the login form with the same fields and button, and the same footer links and copyright notice.

## Sign\_up page:



The screenshot shows a web browser window with a sign-up form. The form fields are as follows:

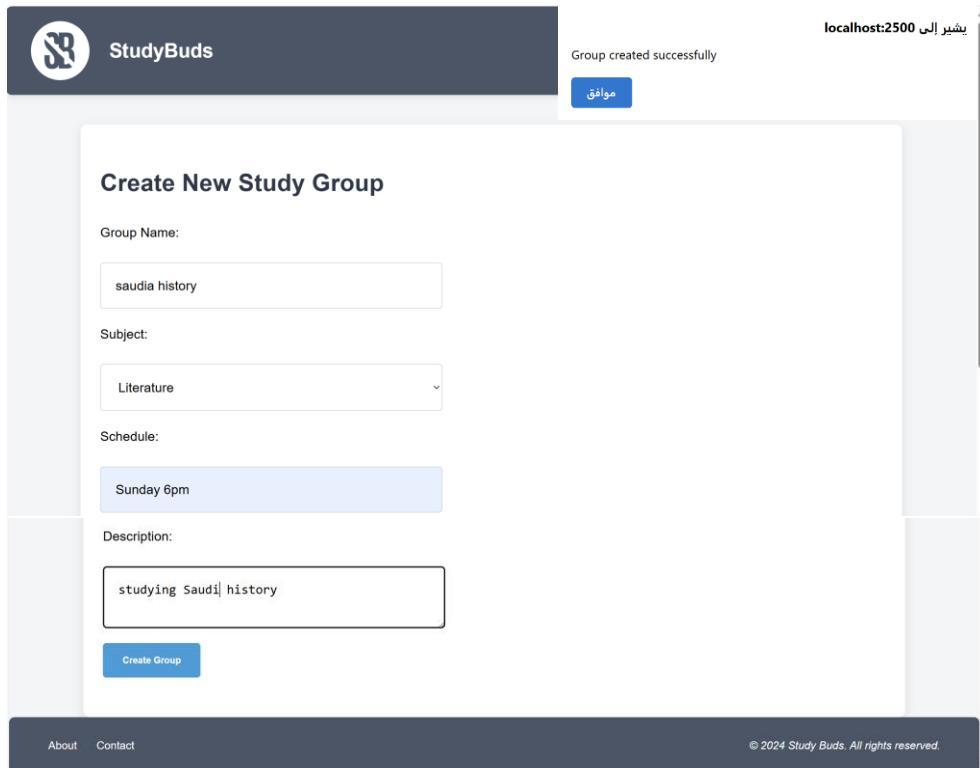
- User Name: layan kandil (highlighted in red)
- Email: dem@hotmail.com
- Password: ..... (redacted)
- Biography: student passionate

A blue "Sign Up" button is at the bottom. A modal dialog box is centered over the form, displaying the error message: "Error signing up: Error: Duplicate entry 'lay24' for key 'username'". The browser's address bar shows the URL "localhost:2500/HTML/Sign\_Up.html".

The sign\_up page allows you to create a new user and sends the user data to the users table in the database, so it can be used for login and displaying the user profile.

However, the new user account must follow all constraints of the database and all validation requirements to be saved, here I tried to sign in using an existing username, so I got an error alert.

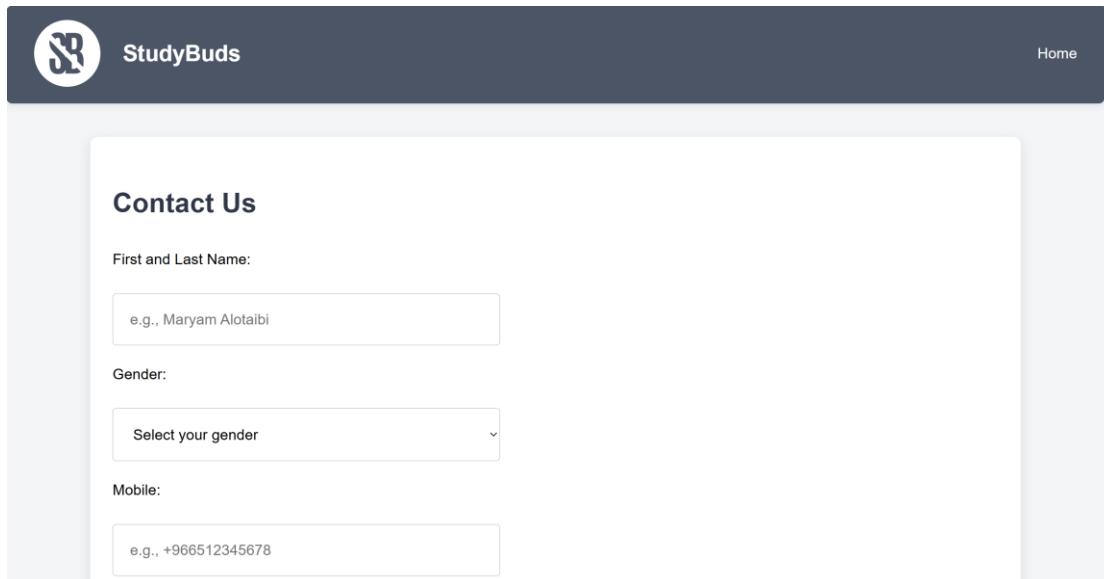
### Create\_Study\_Group page:



The screenshot shows a web application interface for creating a new study group. At the top, there is a header bar with the logo 'StudyBuds' and a success message 'Group created successfully'. Below the header, the main form is titled 'Create New Study Group'. It contains fields for 'Group Name' (saudia history), 'Subject' (Literature), 'Schedule' (Sunday 6pm), and a 'Description' box containing the text 'studying Saudi history'. A blue 'Create Group' button is at the bottom of the form. The footer includes links for 'About' and 'Contact' and a copyright notice: '© 2024 Study Buds. All rights reserved.'

This page allows the user to create a new study group, and then the data is sent to the groups table in the database, the new study group will appear on the available groups page.

### Contact\_Us page:

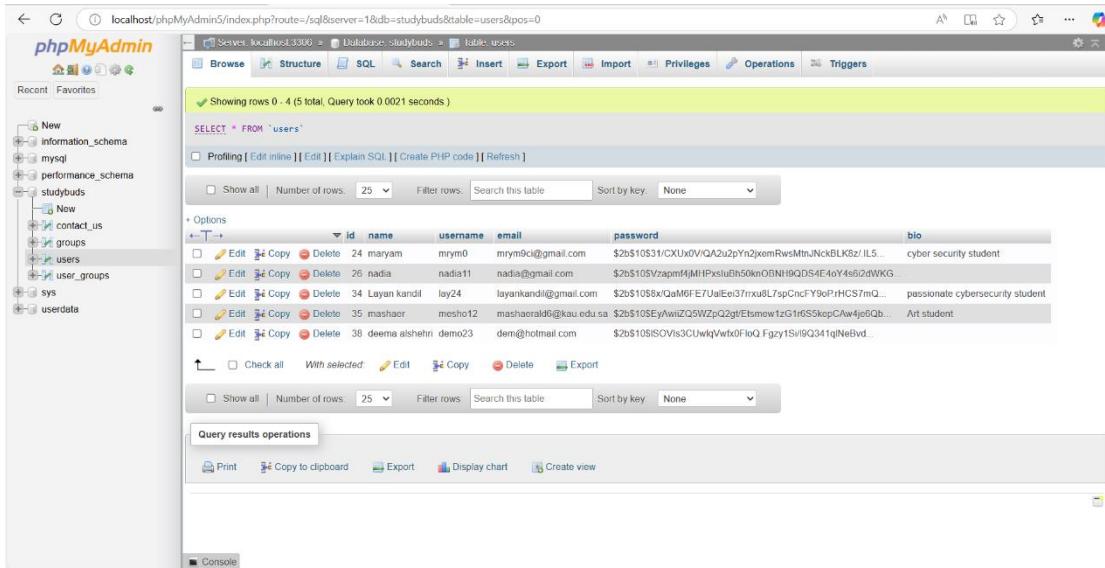


The screenshot shows a web application interface for contacting the organization. At the top, there is a header bar with the logo 'StudyBuds' and a 'Home' link. Below the header, the main form is titled 'Contact Us'. It contains fields for 'First and Last Name' (e.g., Maryam Alotaibi), 'Gender' (Select your gender dropdown), and 'Mobile' (e.g., +966512345678). The footer includes links for 'About' and 'Contact' and a copyright notice: '© 2024 Study Buds. All rights reserved.'

This page allows the user to submit a contact form; the contact request will be saved in the database.

## Database:

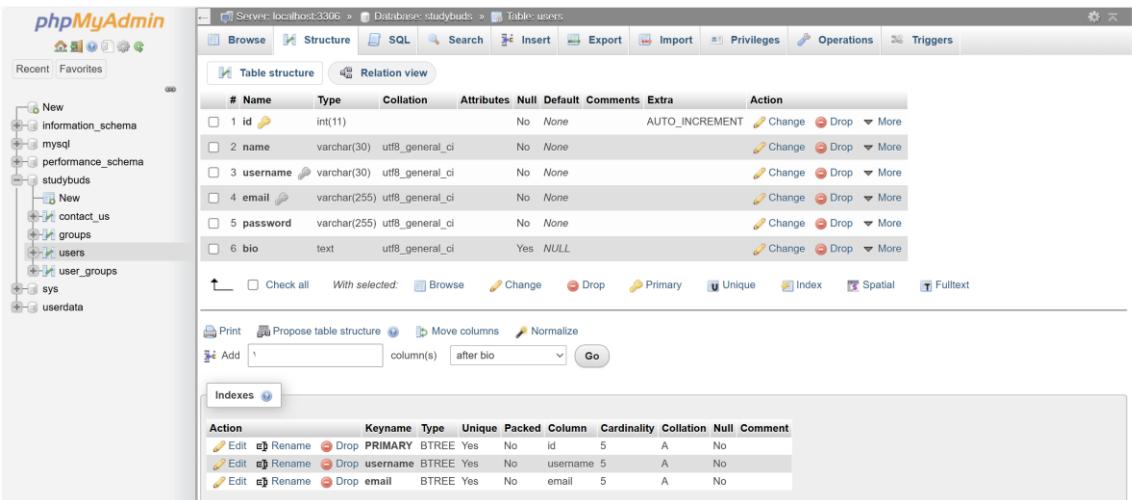
- Users:



	<b>id</b>	<b>name</b>	<b>username</b>	<b>email</b>	<b>password</b>	<b>bio</b>
1	24	maryam	marym02	marym02@gmail.com	\$2b\$10\$31fOXUx0V/QA2u2pYn2kemRwsMnJNckBLK0z/IL5...	cyber security student
2	26	nadia	nadia11	nadia@gmail.com	\$2b\$10\$Vzappn4MHPxstuh50knOBNI9QDS4E4oy4s5/2dWKG	
3	34	Layan kandil	ley24	layankandil@gmail.com	\$2b\$10\$5xQaM6fE7UaEe37rxu8L7spCncFY9oP+HCS7mQ...	passionate cybersecurity student
4	35	mashar	mashar012	mashar012@kau.edu.sa	\$2b\$10\$5EyWniZG5WZpQ2qfEtsmowtzG1fSS5kopCaWjg5Qb...	
5	38	deema alshehri	demo23	dem@hotmail.com	\$2b\$10\$SiOVhs3CUwlyWht0FioQ.Fgzys1Sif9Q341qlNeBvd...	Art student

This table stores the user's data saved when they sign up on the sign-up page,

Also, the profile page fetches the user data from this table.



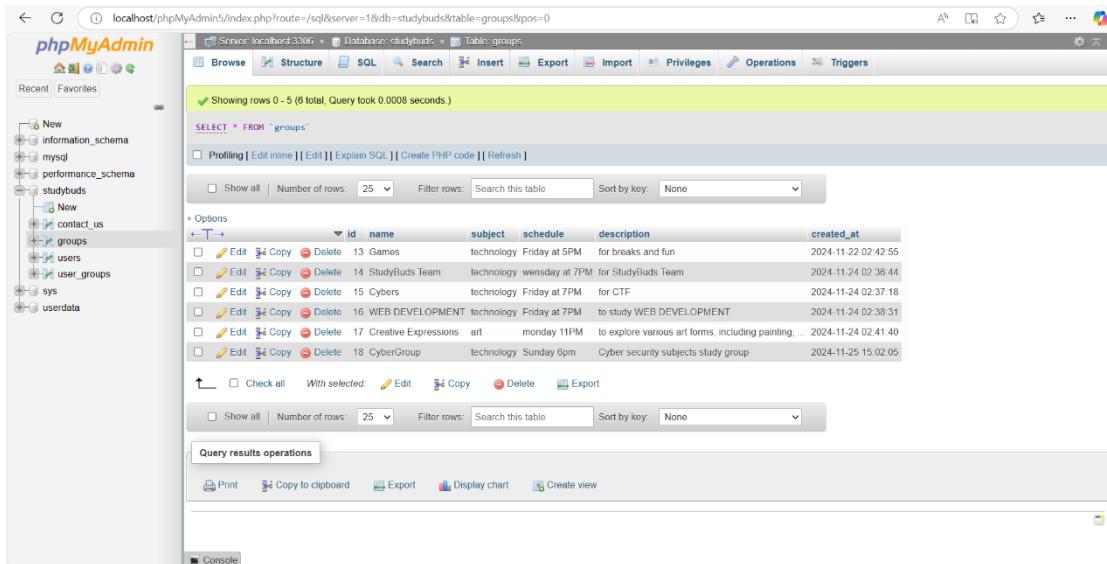
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	<b>id</b>	int(11)			No	None	AUTO_INCREMENT		<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
2	<b>name</b>	varchar(30)	utf8_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
3	<b>username</b>	varchar(30)	utf8_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
4	<b>email</b>	varchar(255)	utf8_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
5	<b>password</b>	varchar(255)	utf8_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
6	<b>bio</b>	text	utf8_general_ci		Yes	NULL			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	<b>id</b>	5	A	No	
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	<b>username</b>	BTREE	Yes	No	<b>username</b>	5	A	No	
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	<b>email</b>	BTREE	Yes	No	<b>email</b>	5	A	No	

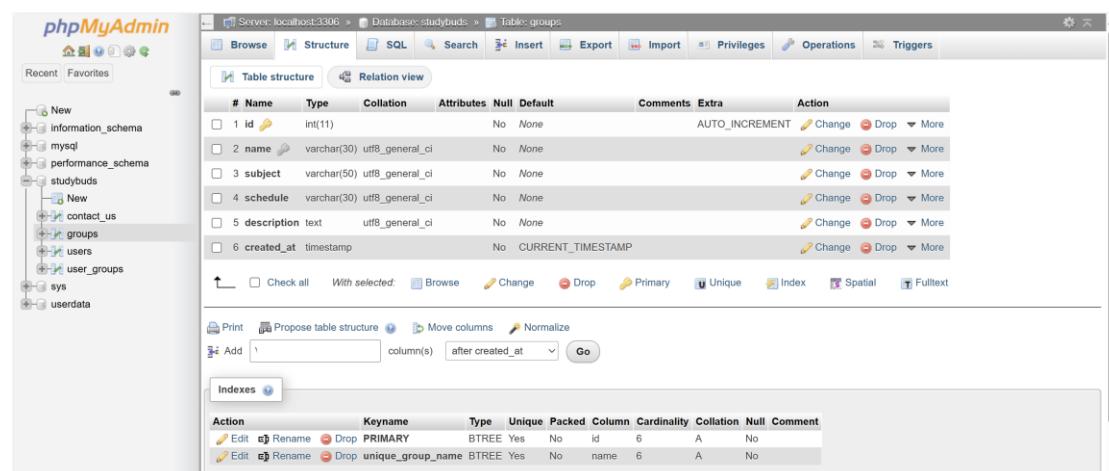
Of course, each new user account must have a different username, and we also made the email unique because the user must not sign in if they already have an account through their email.

- Groups:



	<b>id</b>	<b>name</b>	<b>subject</b>	<b>schedule</b>	<b>description</b>	<b>created_at</b>
13	Games	technology	Friday at 5PM	for breaks and fun	2024-11-22 02:42:55	
14	Studybuds Team	technology	Wednesday at 7PM	for StudyBuds Team	2024-11-24 02:36:44	
15	Cybers	technology	Friday at 7PM	for CTF	2024-11-24 02:37:18	
16	WEB DEVELOPMENT	technology	Friday at 7PM	to study WEB DEVELOPMENT	2024-11-24 02:38:31	
17	Creative Expressions	art	monday 11PM	to explore various art forms, including painting, ...	2024-11-24 02:41:40	
18	CyberGroup	technology	Sunday 6pm	Cyber security subjects study group	2024-11-25 15:02:05	

This table stores the group data saved when a user creates a group from the Create Study Group page. Also, the available group's page fetches the group data from this table.



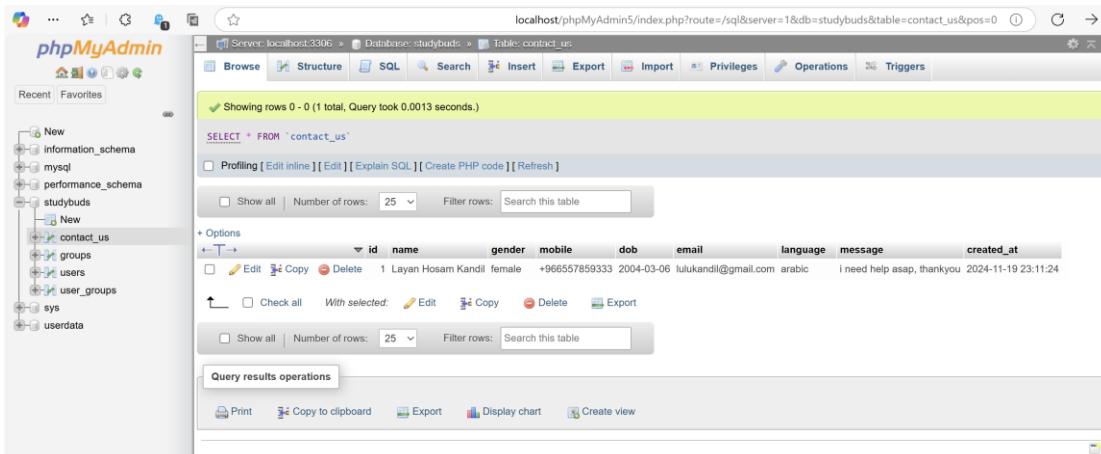
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	<b>id</b>	int(11)	utf8_general_ci	No	None		AUTO_INCREMENT		<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
2	<b>name</b>	varchar(30)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
3	<b>subject</b>	varchar(50)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
4	<b>schedule</b>	varchar(30)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
5	<b>description</b>	text	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
6	<b>created_at</b>	timestamp		No	CURRENT_TIMESTAMP				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a>	PRIMARY	BTREE	Yes	No	<b>id</b>	6	A	No	
<a href="#">Edit</a>	unique_group_name	BTREE	Yes	No	<b>name</b>	6	A	No	

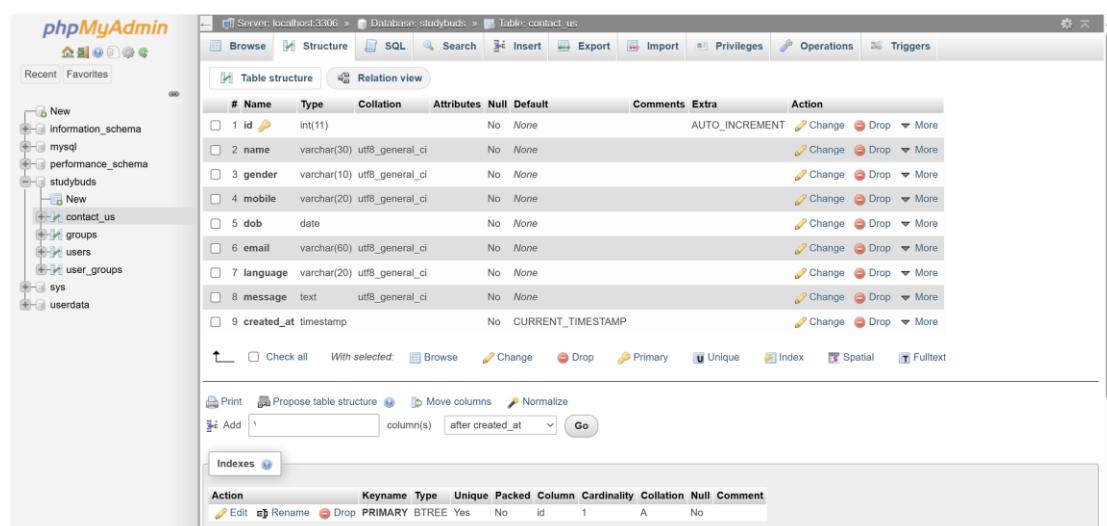
Each new group must have a different group name.

- Contact\_us



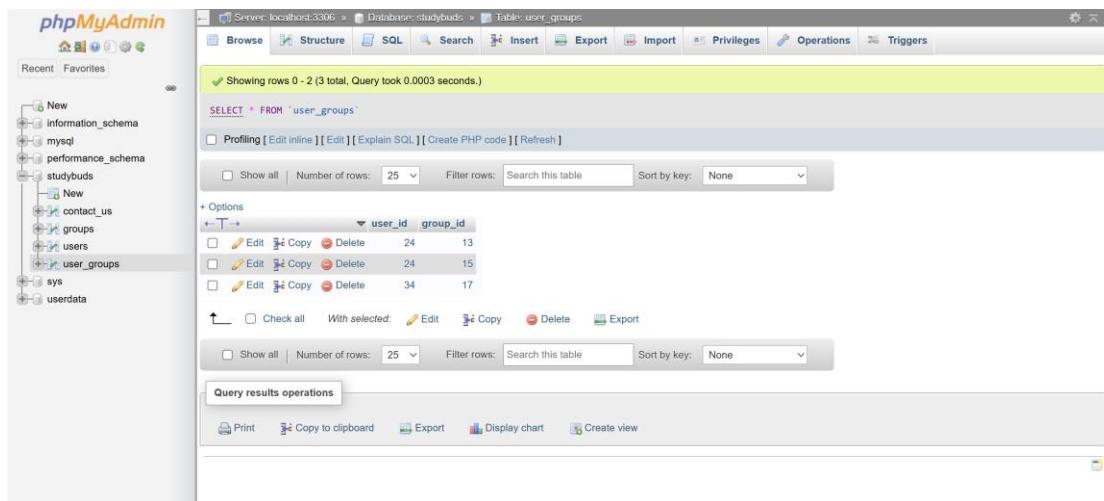
	<b>Name</b>	<b>Type</b>	<b>Collation</b>	<b>Attributes</b>	<b>Null</b>	<b>Default</b>	<b>Comments</b>	<b>Extra</b>	<b>Action</b>
1	<b>id</b>	int(11)	utf8_general_ci	No	None		AUTO_INCREMENT		<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
2	<b>name</b>	varchar(30)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
3	<b>gender</b>	varchar(10)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
4	<b>mobile</b>	varchar(20)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
5	<b>dob</b>	date		No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
6	<b>email</b>	varchar(60)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
7	<b>language</b>	varchar(20)	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
8	<b>message</b>	text	utf8_general_ci	No	None				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
9	<b>created_at</b>	timestamp		No	CURRENT_TIMESTAMP				<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

This table stores the information submitted from the contact form of the Contact Us page.



Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id	1	A	No	

- User\_Groups



Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT * FROM `user_groups`
```

	user_id	group_id
<input type="checkbox"/>	24	13
<input type="checkbox"/>	24	15
<input type="checkbox"/>	34	17

This table stores which user belongs to which group, when the user clicks join group from the available group's page, the group will appear on the user profile, and the groups that each user joins are saved in this table and the user profile can reach groups info to fetch them and show them using this table.

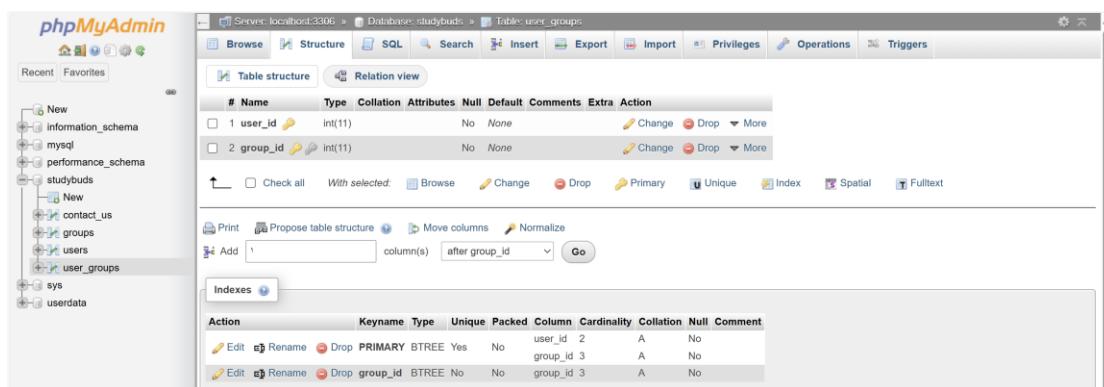


Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	user_id	int(11)			No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
2	group_id	int(11)			No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> Primary <input type="checkbox"/> Unique <input type="checkbox"/> Index <input type="checkbox"/> Spatial <input type="checkbox"/> Fulltext

Add column(s) after group\_id

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<input type="checkbox"/> Edit <input type="checkbox"/> Rename <input type="checkbox"/> Drop	PRIMARY	BTREE	Yes	No	user_id	2	A	No	
<input type="checkbox"/> Edit <input type="checkbox"/> Rename <input type="checkbox"/> Drop	group_id	BTREE	No	No	group_id	3	A	No	