Assignment for chapter 7,8,9

Anupam chandra

2341003015

Serial no-10

23412G1

Subject: CSW1 (CSE 2141)

Session: Sep 2024 to Jan 2025

Branch: CSE

Q1. Create an HTML page for the school management system with proper headings and an introduction paragraph. The page will also contain a login facility with a username, password and login button. Add CSS to assign proper styling to these fields. The password should be validated with at least 1 uppercase, 1 lowercase and 1 digit.

```
<html>
<head>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>A5Q1 Anupam chandra 2341003015  School Management System</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
    <style>
        body {
            font-family: Arial, sans-serif;
```

```
        }

        .container {
            max-width: 500px;
        }

        .card {
            margin-top: 50px;
        }

        .form-label {
            font-weight: bold;
        }

        .text-danger {
            font-size: 0.9rem;
        }

        .btn-primary {
            margin-top: 15px;
        }
    </style>
</head>
<body>
    <div class="container">
        <div class="card mx-auto">
            <div class="card-body">
                <h1 class="card-title text-center">ITER (School Management
System)</h1>
                <p class="card-text text-center">Efficiently manage school
operations and streamline communication of ITER</p>
      <br><br>          <h5 class="card-title text-center">Login</h5>

                <form id="loginForm">
                    <div class="mb-3">
                        <label for="username" class="form-
label">Username:</label>
                        <input type="text" class="form-control" id="username"
name="username" required>
                    </div>

                    <div class="mb-3">
```

```
                        <label for="password" class="form-
label">Password:</label>
                        <input type="password" class="form-control" id="password"
name="password" required>
                        <div class="text-danger mt-1" id="passwordError"
style="display: none;">Password must contain at least 1 uppercase, 1 lowercase,
and 1 digit.</div>
                    </div>

                    <button type="button" class="btn btn-primary w-100"
id="loginButton">Login</button>
                </form>
            </div>
        </div>
    </div>

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js
"></script>
    <script>
        $(document).ready(function () {
            $('#loginButton').on('click', function () {
                const password = $('#password').val();
                const passwordError = $('#passwordError');
                const passwordRegex = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d).+$/;

                // Reset error message
                passwordError.hide();

                // Check if the password matches the regex
                if (!passwordRegex.test(password)) {
                    passwordError.show();
                } else {
                    // If password is valid, proceed with login logic (redirect
to student page)
                    window.location.href = 'Q2.html'; // Redirect to the student
information page
                }
            });
        });
    </script>
</body>
```

```
</html>
```

ITER (School Management System)

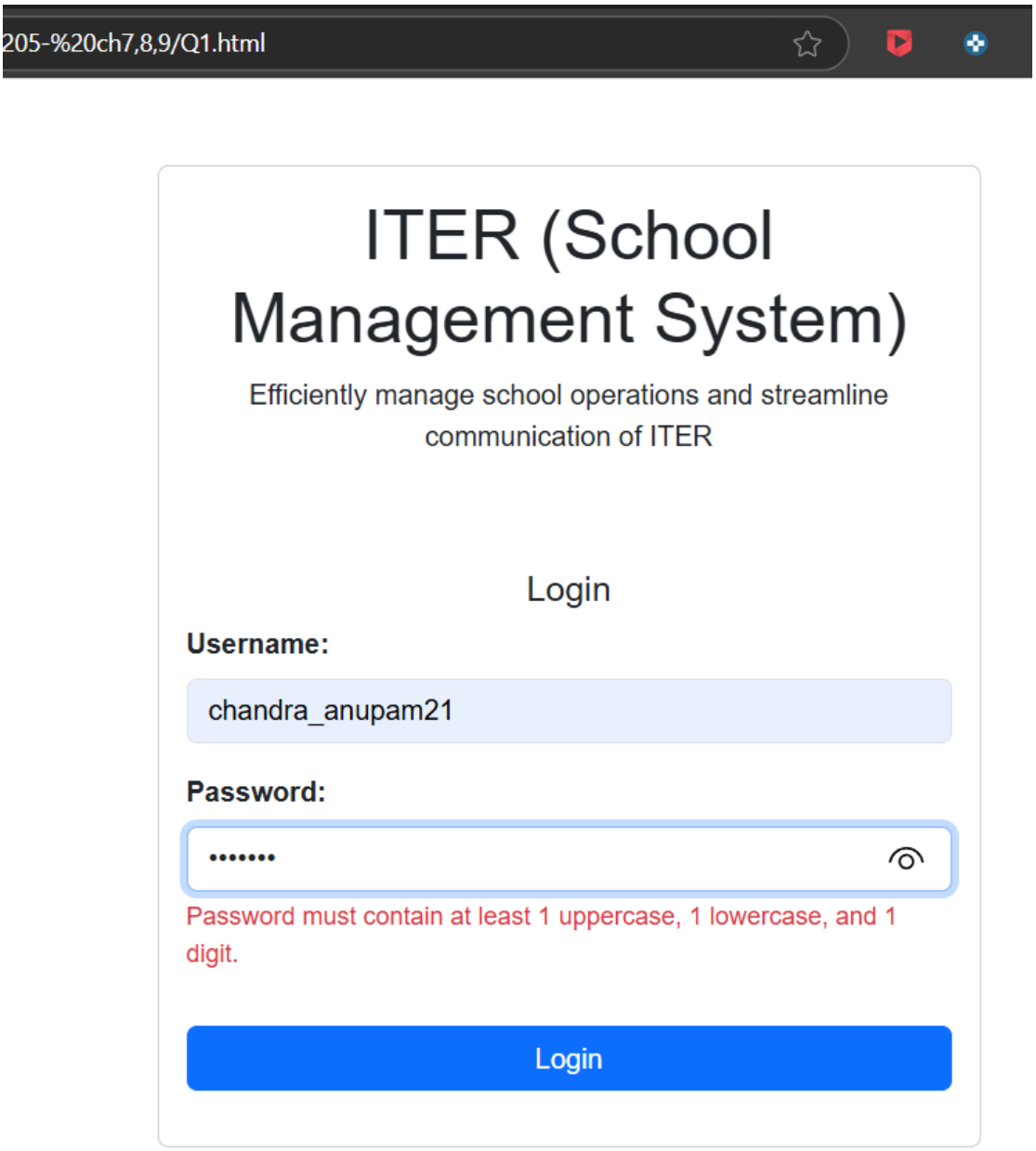
Efficiently manage school operations and streamline communication of ITER

Login

Username:

Password:

Login



If login is successfull then it will move to the database page(Q2)

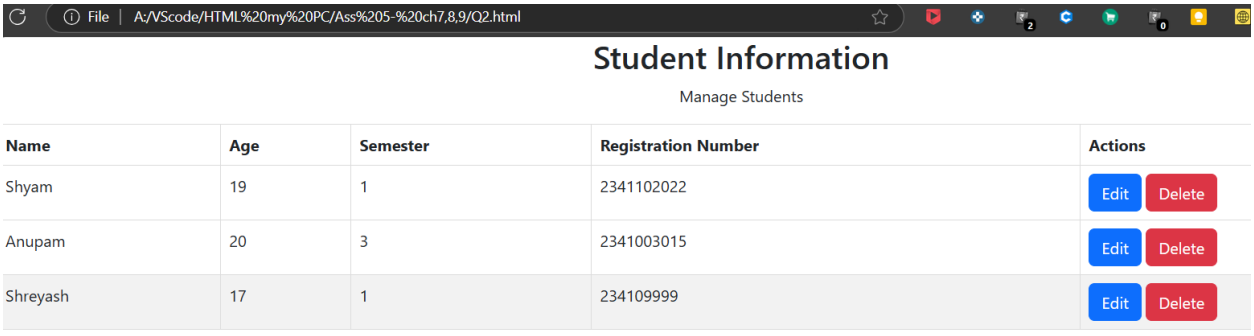
Q2. The login page is designed for Q1. The user will be moved to the Student Information page when clicking on the login button. Create a student table using HTML with Name, Age, Semester, and Registration Number. The alternative rows of the table should be of different colors. Add Edit and Delete buttons for each row and implement their functions. Style the Edit and Delete buttons with different colors.

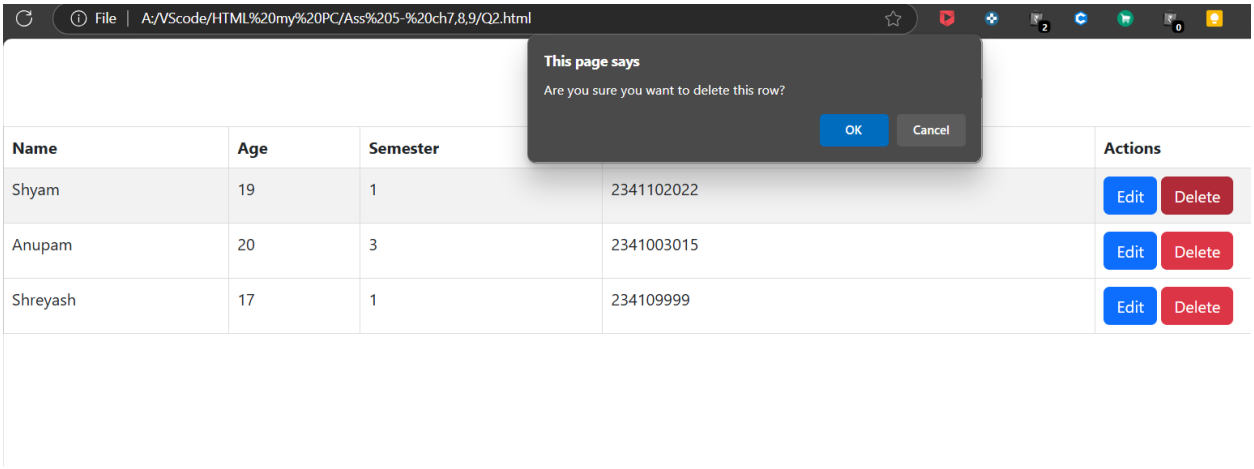
```
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>A5Q2 Anupam chandra 2341003015  Student Table with Search and Hover
Effect</title>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
    <style>
        table {
            width: 100%;
            border-collapse: collapse;
        }

        table, th, td {
            border: 1px solid #ddd;
        }

        th, td {
            padding: 8px;
            text-align: left;
        }

        tr:hover {
            background-color: #f2f2f2;
            cursor: pointer;
            transition: background-color 0.3s ease-in-out;
        }

        #searchBar {
            margin-bottom: 15px;
            padding: 8px;
            width: 100%;
            max-width: 300px;
```

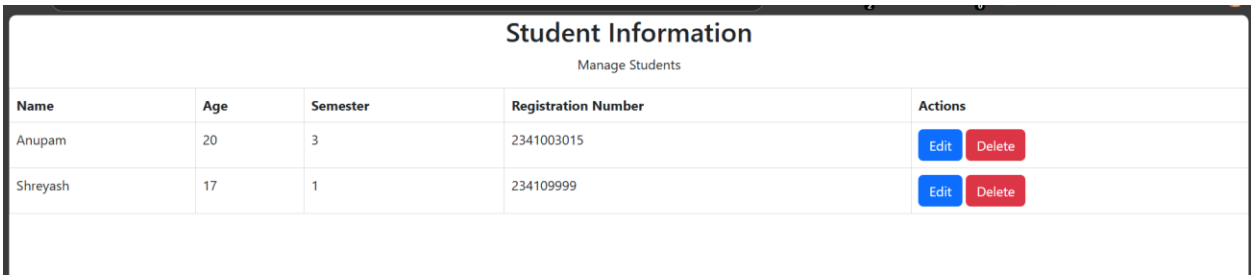
```
            font-size: 14px;
        }
    </style>
</head>
<body>

    <h2 style="text-align : center;">Student database</h2>
    <p style="text-align : center;">Manage Students(edit and delete)</p>


    <table id="studentTable" class="table">
        <thead>
            <tr>
                <th>Name</th>
                <th>Age</th>
                <th>Semester</th>
                <th>Registration Number</th>
                <th>Actions</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>Shyam</td>
                <td>19</td>
                <td>1</td>
                <td>2341102022</td>
                <td>
                    <button class="btn btn-primary"
onclick="editRow(this)">Edit</button>
                    <button class="btn btn-danger"
onclick="deleteRow(this)">Delete</button>
                </td>
            </tr>
            <tr>
                <td>Anupam</td>
                <td>20</td>
                <td>3</td>
                <td>2341003015</td>
                <td>
                    <button class="btn btn-primary"
onclick="editRow(this)">Edit</button>
                    <button class="btn btn-danger"
onclick="deleteRow(this)">Delete</button>
```

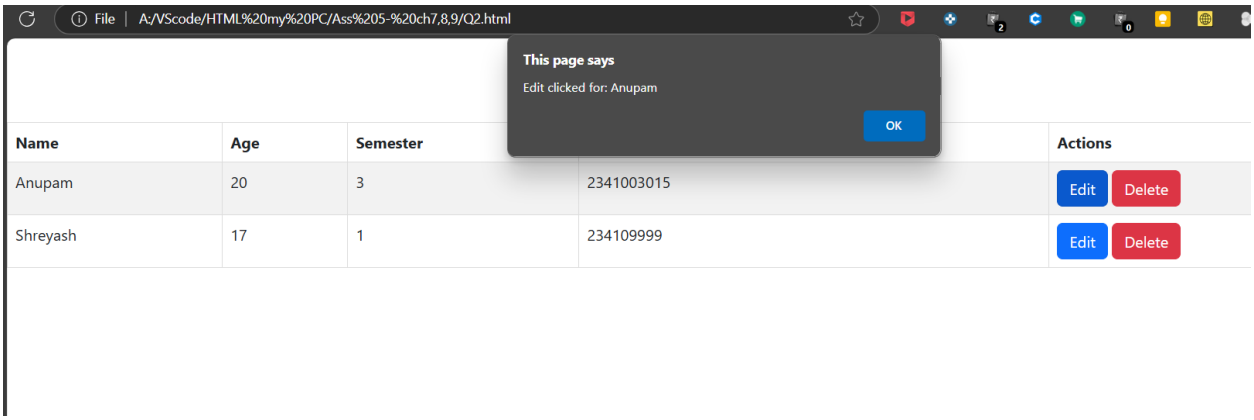
```
                </td>
            </tr>
            <tr>
                <td>Shreyash</td>
                <td>17</td>
                <td>1</td>
                <td>234109999</td>
                <td>
                    <button class="btn btn-primary"
onclick="editRow(this)">Edit</button>
                    <button class="btn btn-danger"
onclick="deleteRow(this)">Delete</button>
                </td>
            </tr>



        </tbody>
    </table>

    <script>
        $(document).ready(function() {
            // Highlight table row on hover
            $('#studentTable tbody tr').hover(
                function() {
                    $(this).css('background-color', '#f2f2f2');  // Highlight row
on hover
                },
                function() {
                    $(this).css('background-color', '');  // Reset background
color
                }
            );



        });

        // Example of edit and delete actions (you can define more logic as
needed)
        function editRow(button) {
            alert("Edit clicked for: " +
$(button).closest('tr').find('td:first').text());
        }
```

```
        function deleteRow(button) {
            if (confirm("Are you sure you want to delete this row?")) {
                $(button).closest('tr').remove();
            }
        }
    </script>
</body>
</html>
```









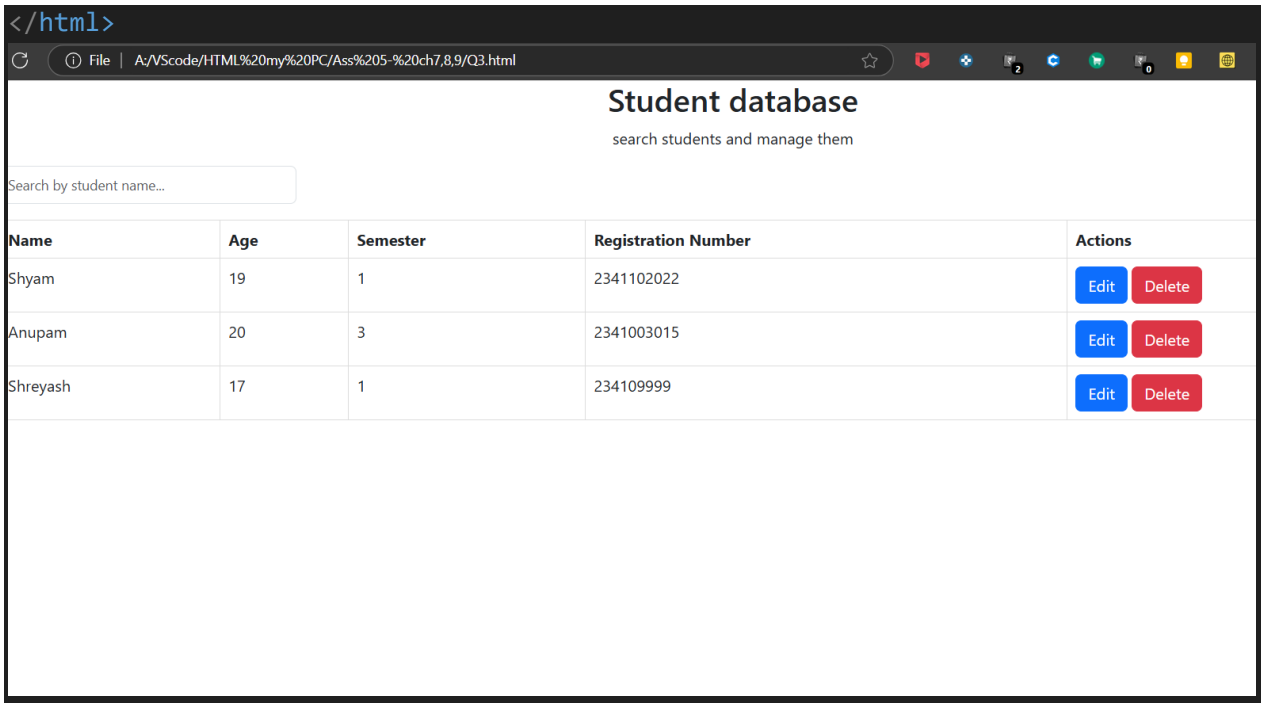
Q3. Consider the student table designed in Q2 and add a search bar that allows filtering of students by their names and displays only matching rows (use .filter() of jQuery). Also, highlight the table row on hover with a different background color to fade in and out.

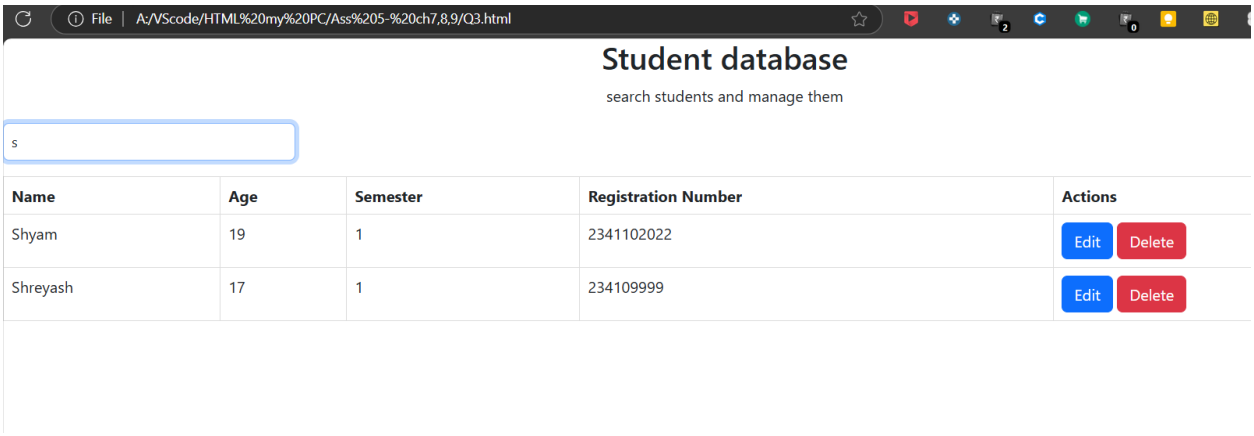
```
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>A5Q3 Anupam chandra 2341003015   Student Table with Search and Hover
Effect</title>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
    <style>
        table {
            width: 100%;
            border-collapse: collapse;
        }
```

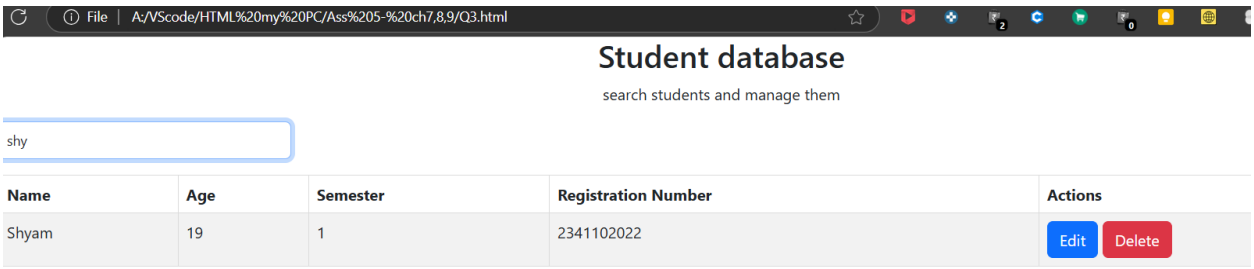
```
        table, th, td {
            border: 1px solid #ddd;
        }

        th, td {
            padding: 8px;
            text-align: left;
        }

        tr:hover {
            background-color: #2debee;
            cursor: pointer;
            transition: background-color 0.3s ease-in-out;
        }

        #searchBar {
            margin-bottom: 15px;
            padding: 8px;
            width: 100%;
            max-width: 300px;
            font-size: 14px;
        }
    </style>
</head>
<body>

    <h2 style="text-align : center;">Student database</h2>
    <p style="text-align : center;">search students and manage them</p>

    <input type="text" id="searchBar" placeholder="Search by student name..."
class="form-control mb-3">

    <table id="studentTable" class="table">
        <thead>
            <tr>
                <th>Name</th>
                <th>Age</th>
                <th>Semester</th>
                <th>Registration Number</th>
                <th>Actions</th>
            </tr>
        </thead>
```

```
        <tbody>
            <tr>
                <td>Shyam</td>
                <td>19</td>
                <td>1</td>
                <td>2341102022</td>
                <td>
                    <button class="btn btn-primary"
onclick="editRow(this)">Edit</button>
                    <button class="btn btn-danger"
onclick="deleteRow(this)">Delete</button>
                </td>
            </tr>
            <tr>
                <td>Anupam</td>
                <td>20</td>
                <td>3</td>
                <td>2341003015</td>
                <td>
                    <button class="btn btn-primary"
onclick="editRow(this)">Edit</button>
                    <button class="btn btn-danger"
onclick="deleteRow(this)">Delete</button>
                </td>
            </tr>
            <tr>
                <td>Shreyash</td>
                <td>17</td>
                <td>1</td>
                <td>234109999</td>
                <td>
                    <button class="btn btn-primary"
onclick="editRow(this)">Edit</button>
                    <button class="btn btn-danger"
onclick="deleteRow(this)">Delete</button>
                </td>
            </tr>
        </tbody>
    </table>

    <script>
        // Filter students based on name input
        $(document).ready(function() {
            $('#searchBar').on('keyup', function() {
```

```
                var searchValue = $(this).val().toLowerCase();

                // Use .filter() to hide non-matching rows
                $('#studentTable tbody tr').filter(function() {
                    var name = $(this).find('td:first').text().toLowerCase();
                    $(this).toggle(name.indexOf(searchValue) > -1);  // Show rows
matching search value
                });
            });

            // Highlight table row on hover
            $('#studentTable tbody tr').hover(
                function() {
                    $(this).css('background-color', '#f2f2f2');  // Highlight row
on hover
                },
                function() {
                    $(this).css('background-color', '');  // Reset background
color
                }
            );
        });

        // Example of edit and delete actions (you can define more logic as
needed)
        function editRow(button) {
            alert("Edit clicked for: " +
$(button).closest('tr').find('td:first').text());
        }

        function deleteRow(button) {
            if (confirm("Are you sure you want to delete this row?")) {
                $(button).closest('tr').remove();
            }
        }
    </script>
</body>
```







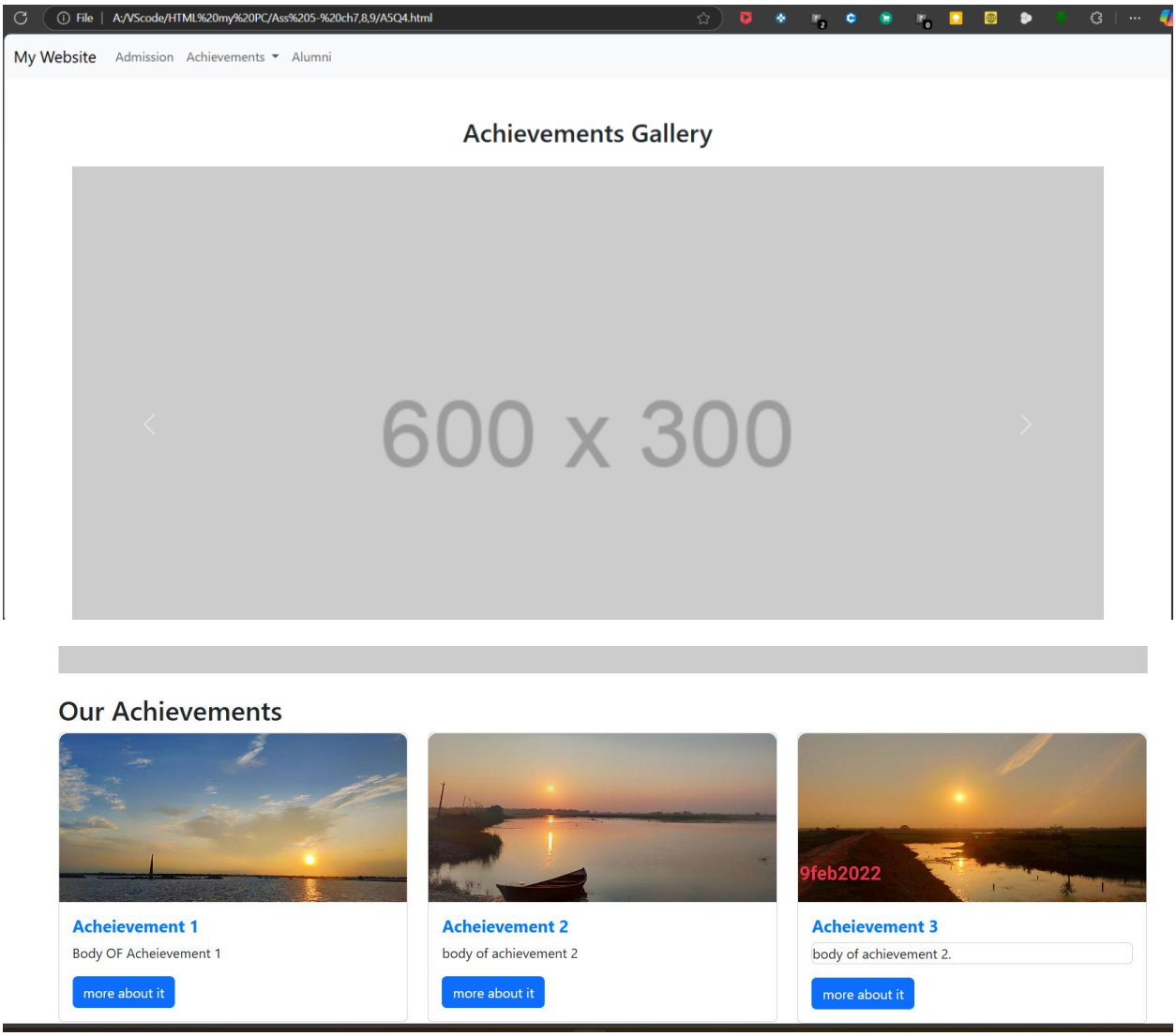
Q4. After the successful login, the by the user, the page will facilitate navigation buttons Admission, Achievements and Alumni on focus group these buttons and with Bootstrap

class and crease drop down option under Achievement. One of the down down items will be Gallery. Use Bootstrap's carousel to display achievement Gallery images.

```
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>A5Q4 Anupam chandra 2341003015  </title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js
"></script>
</head>
<body>
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">My Website</a>
            <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-
expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav">
                    <li class="nav-item">
                        <a class="nav-link" href="#">Admission</a>
                    </li>
                    <li class="nav-item dropdown">
                        <a class="nav-link dropdown-toggle" href="#"
id="achievementsDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
                            Achievements
                        </a>
                        <ul class="dropdown-menu" aria-
labelledby="achievementsDropdown">
                            <li><a class="dropdown-item"
href="#gallery">Gallery</a></li>
                            <li><a class="dropdown-item" href="#">Other
Achievement</a></li>
                        </ul>
                    </li>
```

```
                    <li class="nav-item">
                        <a class="nav-link" href="#">Alumni</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>

    <div class="container mt-5" id="gallery">
        <h2 class="text-center mb-4">Achievements Gallery</h2>
        <div id="achievementCarousel" class="carousel slide" data-bs-
ride="carousel">
            <div class="carousel-inner">
                <div class="carousel-item active">
                    <img src="https://via.placeholder.com/600x300" class="A1"
alt="Achievement 1">
                </div>
                <div class="carousel-item">
                    <img src="https://via.placeholder.com/600x300" class="A2"
alt="Achievement 2">
                </div>
                <div class="carousel-item">
                    <img src="https://via.placeholder.com/600x300" class="A3"
alt="Achievement 3">
                </div>
            </div>
            <button class="carousel-control-prev" type="button" data-bs-
target="#achievementCarousel" data-bs-slide="prev">
                <span class="carousel-control-prev-icon" aria-
hidden="true"></span>
                <span class="visually-hidden">Previous</span>
            </button>
            <button class="carousel-control-next" type="button" data-bs-
target="#achievementCarousel" data-bs-slide="next">
                <span class="carousel-control-next-icon" aria-
hidden="true"></span>
                <span class="visually-hidden">Next</span>
            </button>
        </div>
    </div>
<div class="container mt-4" id="ourarchievement">
        <h2>Our Achievements</h2>
        <div class="row">
            <div class="col-md-4">
```

```
                <div class="card">
                    <img src="0000418.jpg" class="card-img-top" alt="Achievement
1">
                    <div class="card-body">
                        <h5 class="card-title">Acheievement 1</h5>
                        <p class="card-text">Body OF Acheievement 1</p>
                        <a href="#" class="btn btn-primary">more about it</a>
                    </div>
                </div>
            </div>
            <div class="col-md-4">
                <div class="card">
                    <img src="0000772.jpg" class="card-img-top" alt="Achievement
2">
                    <div class="card-body">
                        <h5 class="card-title">Acheievement 2</h5>
                        <p class="card-text">body of achievement 2</p>
                        <a href="#" class="btn btn-primary">more about it</a>
                    </div>
                </div>
            </div>
            <div class="col-md-4">
                <div class="card">
                    <img src="0000783.jpg" class="card-img-top" alt="Achievement
3">
                    <div class="card-body">
                        <h5 class="card-title">Acheievement 3</h5>
                        <p class="card -text">body of achievement 2.</p>
                        <a href="#" class="btn btn-primary">more about it</a>
                    </div>
                </div>
            </div>
        </div>



</body>
</html>
```



Our Achievements

Acheievement 1

Body OF Acheievement 1

more about it

Acheievement 2

body of achievement 2

more about it

Acheievement 3

body of achievement 2.

more about it

Q5. On clicking on Alumni on Focus, create a bootstrap card with images and their short bio and achievements. Add CSS styling to make it more attractive.

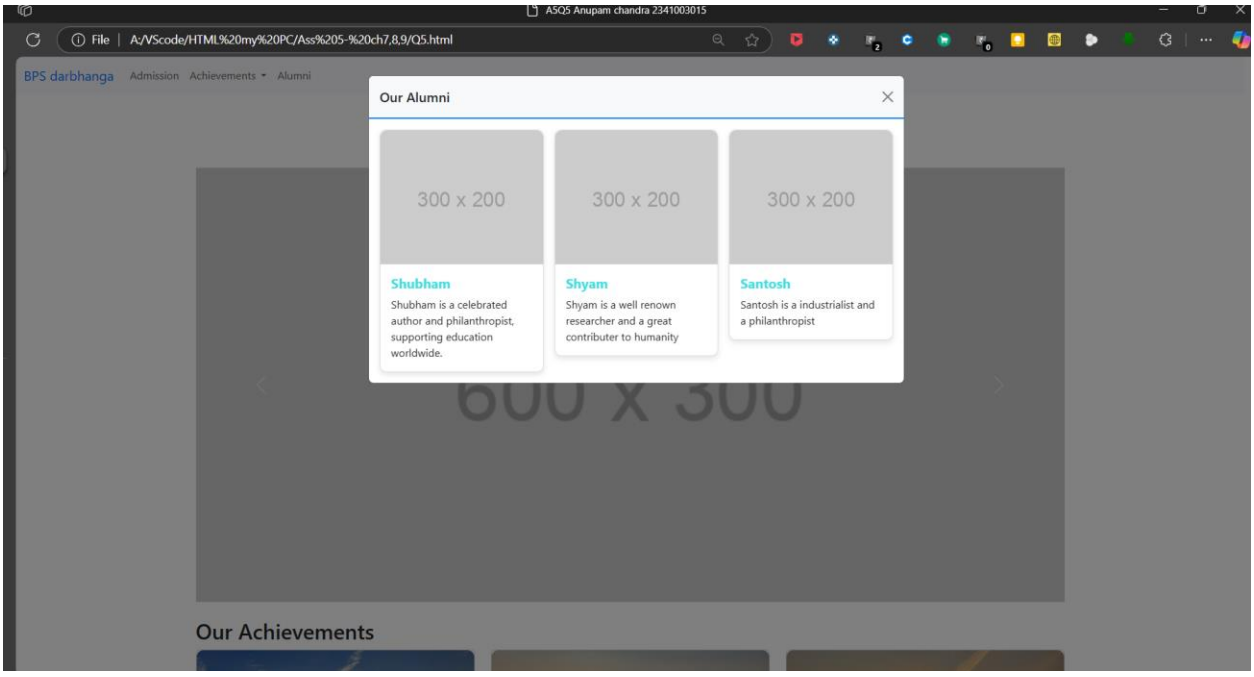
```
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>A5Q5 Anupam chandra 2341003015 </title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js
"></script>

    <style>
        .card-alumni {
            border: 1px solid #ddd;
            border-radius: 10px;
            box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
            transition: transform 0.3s;
        }

        .card-alumni:hover {
            transform: scale(1.05);
        }

        .card-img-top {
            border-top-left-radius: 10px;
            border-top-right-radius: 10px;
            height: 200px;
            object-fit: cover;
        }

        .card-title {
            color: #43dddf;
            font-weight: bold;
        }
```

```
        .modal-header {
            background-color: #f8f9fa;
            border-bottom: 2px solid #007bff;
        }
    </style>
</head>

<body>
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <div class="container-fluid">
            <a class="navbar-brand text-primary" href="#">BPS darbhanga</a>
            <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-
expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav">
                    <li class="nav-item">
                        <a class="nav-link" href="#">Admission</a>
                    </li>
                    <li class="nav-item dropdown">
                        <a class="nav-link dropdown-toggle" href="#"
id="achievementsDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
                            Achievements
                        </a>
                        <ul class="dropdown-menu" aria-
labelledby="achievementsDropdown">
                            <li><a class="dropdown-item" href="#">Awards</a></li>
                            <li><a class="dropdown-item"
href="#gallery">Gallery</a></li>
                        </ul>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="#" data-bs-toggle="modal" data-
bs-target="#alumniModal">Alumni</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>
    <div class="container mt-5" id="gallery">
        <h2 class="text-center mb-4">Achievements Gallery</h2>
```

```
        <div id="achievementCarousel" class="carousel slide" data-bs-
ride="carousel">
            <div class="carousel-inner">
                <div class="carousel-item active">
                    <img src="https://via.placeholder.com/600x300" class="d-block
w-100" alt="Achievement 1">
                </div>
                <div class="carousel-item">
                    <img src="https://via.placeholder.com/600x300" class="d-block
w-100" alt="Achievement 2">
                </div>
                <div class="carousel-item">
                    <img src="https://via.placeholder.com/600x300" class="d-block
w-100" alt="Achievement 3">
                </div>
            </div>
            <button class="carousel-control-prev" type="button" data-bs-
target="#achievementCarousel" data-bs-slide="prev">
                <span class="carousel-control-prev-icon" aria-
hidden="true"></span>
                <span class="visually-hidden">Previous</span>
            </button>
            <button class="carousel-control-next" type="button" data-bs-
target="#achievementCarousel" data-bs-slide="next">
                <span class="carousel-control-next-icon" aria-
hidden="true"></span>
                <span class="visually-hidden">Next</span>
            </button>
        </div>
    </div>
    <div class="container mt-4" id="ourarchievement">
        <h2>Our Achievements</h2>
        <div class="row">
            <div class="col-md-4">
                <div class="card">
                    <img src="0000418.jpg" class="card-img-top" alt="Achievement
1">
                    <div class="card-body">
                        <h5 class="card-title">Acheievement 1</h5>
                        <p class="card-text">Body OF Acheievement 1</p>
                        <a href="#" class="btn btn-primary">more about it</a>
                    </div>
                </div>
            </div>
```

```
            <div class="col-md-4">
                <div class="card">
                    <img src="0000772.jpg" class="card-img-top" alt="Achievement
2">
                    <div class="card-body">
                        <h5 class="card-title">Acheievement 2</h5>
                        <p class="card-text">body of achievement 2</p>
                        <a href="#" class="btn btn-primary">more about it</a>
                    </div>
                </div>
            </div>
            <div class="col-md-4">
                <div class="card">
                    <img src="0000783.jpg" class="card-img-top" alt="Achievement
3">
                    <div class="card-body">
                        <h5 class="card-title">Acheievement 3</h5>
                        <p class="card -text">body of achievement 2.</p>
                        <a href="#" class="btn btn-primary">more about it</a>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <div class="modal fade" id="alumniModal" tabindex="-1" aria-
labelledby="alumniModalLabel" aria-hidden="true">
        <div class="modal-dialog modal-lg">
            <div class="modal-content">
                <div class="modal-header">
                    <h5 class="modal-title" id="alumniModalLabel">Our Alumni</h5>
                    <button type="button" class="btn-close" data-bs-
dismiss="modal" aria-label="Close"></button>
                </div>
                <div class="modal-body">
                    <div class="row g-3">
                        <div class="col-md-4">
                            <div class="card card-alumni">
                                <img src="https://via.placeholder.com/300x200"
class="card-img-top" alt="Alumni 1">
                                <div class="card-body">
                                    <h5 class="card-title">Shubham</h5>
                                    <p class="card-text">Shubham is a celebrated
author and philanthropist, supporting education worldwide.</p>
                                </div>
```

```
                            </div>
                        </div>
                        <div class="col-md-4">
                            <div class="card card-alumni">
                                <img src="https://via.placeholder.com/300x200"
class="card-img-top" alt="Alumni 2">
                                <div class="card-body">
                                    <h5 class="card-title"> Shyam</h5>
                                    <p class="card-text">Shyam is a well renown
researcher and a great contributer to humanity</p>
                                </div>
                            </div>
                        </div>
                        <div class="col-md-4">
                            <div class="card card-alumni">
                                <img src="https://via.placeholder.com/300x200"
class="card-img-top" alt="Alumni 3">
                                <div class="card-body">
                                    <h5 class="card-title">Santosh</h5>
                                    <p class="card-text">Santosh is a
industrialist and a philanthropist </p>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

</body>
</html>
```


ASQ5 Anupam chandra 2341003015
File | A:/VScode/HTML%20my%20PC/Ass%205-%20ch7,8,9/Q5.html
BPS darbhanga
Admission
Achievements
Alumni
Our Alumni
300 x 200
300 x 200
300 x 200
Shubham
Shubham is a celebrated author and philanthropist, supporting education worldwide.
Shyam
Shyam is a well renown researcher and a great contributer to humanity
Santosh
Santosh is a industrialist and a philanthropist
600 x 300
Our Achievements