CA-3

Web Technologies – CAP757

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Question: College Leave ManagementSystem

1. User Authentication System:
   - Complete signup and login functionality
   - Session management using localStorage
   - Protected routes (redirects to home if not logged in)

2. Form Validation:
   - Client-side validation for all forms
   - Real-time feedback for users
   - Password matching and strength checks

3. Toast Notifications:
   - Visual feedback for user actions
   - Success and error messages
   - Auto-dismiss after display

4. Leave Application System:
   - Stores leave applications in user profile
   - Date validation (end date can't be before start date)
   - Pre-filled user information

5. Dynamic Attendance Display:
   - Calculates attendance percentage
   - Color-coded progress bars based on percentage
   - Responsive card layout

6. Navigation Improvements:
   - Disables protected links when not logged in
   - Shows user profile when logged in
   - Proper logout functionality

7. Data Persistence:
   - All user data stored in localStorage
   - Sample data initialization
   - Data integrity checks

Code:

1. index.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Home | College Leave Management</title>

  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap"
rel="stylesheet">

  <!-- Bootstrap CSS -->

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

  <!-- Custom CSS -->

  <link rel="stylesheet" href="./src/styles.css">

  <!-- Bootstrap Icons -->

  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.0/font/bootstrap-
icons.css">

</head>

<body>

  <!-- Toast Notification -->

  <div class="position-fixed bottom-0 end-0 p-3" style="z-index: 11">

    <div id="liveToast" class="toast" role="alert" aria-live="assertive" aria-atomic="true">

      <div class="toast-header">

        <strong class="me-auto" id="toast-title">Notification</strong>

        <button type="button" class="btn-close" data-bs-dismiss="toast" aria-label="Close"></button>

      </div>

      <div class="toast-body" id="toast-message"></div>

    </div>

  </div>


  <!-- Navbar -->

  <nav class="navbar navbar-expand-lg navbar-light fixed-top">

    <div class="container">

      <a class="navbar-brand" href="index.html">

        <i class="bi bi-calendar-check me-2"></i>Leave Management

      </a>

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarNav">

        <span class="navbar-toggler-icon"></span>
```

```html
        </button>
        <div class="collapse navbar-collapse" id="navbarNav">
          <ul class="navbar-nav mx-auto">
            <li class="nav-item">
              <a class="nav-link active" href="index.html">Home</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="./src/attendance.html">Attendance</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="./src/apply-leave.html">Apply Leave</a>
            </li>
          </ul>
          <div class="d-flex" id="authButtons">
            <a href="#" class="btn btn-primary me-2" data-bs-toggle="modal" data-bs-target="#signupModal">
              Sign Up
            </a>
            <a href="#" class="btn btn-outline-primary" data-bs-toggle="modal" data-bs-target="#loginModal">
              Login
            </a>
          </div>
          <div class="d-flex align-items-center d-none" id="userProfile">
            <span class="me-3" id="usernameDisplay"></span>
            <button class="btn btn-outline-danger btn-sm" id="logoutBtn">Logout</button>
          </div>
        </div>
      </div>
    </nav>


    <main>
      <!-- Hero Section -->
      <section class="hero">
        <div class="container text-center">
          <h1 class="display-4 fw-bold mb-4">College Leave Management System</h1>
          <p class="lead mb-5">Efficiently manage and track leave requests with our streamlined platform</p>
          <div class="d-grid gap-3 d-sm-flex justify-content-sm-center">
            <a href="./src/apply-leave.html" class="btn btn-primary btn-lg px-4" id="applyLeaveBtn">
```

```html
              Apply for Leave
            </a>
            <a href="./src/attendance.html" class="btn btn-outline-primary btn-lg px-4"
id="viewAttendanceBtn">
              View Attendance
            </a>
          </div>
        </div>
      </section>
    </main>


    <!-- Footer -->
    <footer class="footer">
      <div class="container">
        <div class="row">
          <div class="col-md-6">
            <p>College Leave Management System</p>
          </div>
          <div class="col-md-3">
            <h5>Quick Links</h5>
            <ul class="list-unstyled">
              <li><a href="index.html">Home</a></li>
              <li><a href="./src/attendance.html">Attendance</a></li>
              <li><a href="./src/apply-leave.html">Apply Leave</a></li>
            </ul>
          </div>
          <div class="col-md-3">
            <h5>Contact</h5>
            <ul class="list-unstyled">
              <li>
                <a
href="mailto:aboobackerasi193@gmail.com?subject=Leave%20Management%20System%20Query">
                  <i class="bi bi-envelope me-2"></i>EMail
                </a>
              </li>
              <li>
                <a href="tel:+919656430228">
                  <i class="bi bi-telephone me-2"></i>+91 9656430228
                </a>
              </li>
```

```html
            </ul>
          </div>
        </div>

        <hr class="mt-4 mb-4" style="border-color: rgba(255,255,255,0.1);">

        <div class="text-center">

          <p class="mb-0">&copy; <script>document.write(new Date().getFullYear())</script>
LeaveTrack. All rights reserved.</p>

        </div>

      </div>

  </footer>


  <!-- Sign Up Modal -->
  <div class="modal fade" id="signupModal" tabindex="-1" aria-labelledby="signupModalLabel" aria-
hidden="true">

    <div class="modal-dialog modal-dialog-centered">

      <div class="modal-content">

        <div class="modal-header">

          <h5 class="modal-title" id="signupModalLabel">Student Registration</h5>

          <button type="button" class="btn-close btn-close-white" data-bs-dismiss="modal" aria-
label="Close"></button>

        </div>

        <div class="modal-body">

          <form id="signupForm">

            <h6 class="mb-3">Personal Information</h6>

            <div class="row g-3">

              <div class="col-md-6">

                <label for="signupName" class="form-label">Full Name</label>

                <input type="text" class="form-control" id="signupName" required>

                <div class="invalid-feedback">Please provide your full name.</div>

              </div>

              <div class="col-md-6">

                <label for="signupDob" class="form-label">Date of Birth</label>

                <input type="date" class="form-control" id="signupDob" required>

                <div class="invalid-feedback">Please provide your date of birth.</div>

              </div>

            </div>


            <h6 class="mt-4 mb-3">Academic Information</h6>

            <div class="row g-3">

              <div class="col-md-6">
```

```html
    <label for="registrationNumber" class="form-label">Registration Number</label>
    <input type="text" class="form-control" id="registrationNumber" required>
    <div class="invalid-feedback">Please provide your registration number.</div>
</div>
<div class="col-md-6">
    <label for="courseSelect" class="form-label">Course</label>
    <select class="form-select" id="courseSelect" required>
        <option value="" selected disabled>Select Course</option>
        <option value="btech">B.Tech</option>
        <option value="mtech">M.Tech</option>
        <option value="bca">BCA</option>
        <option value="mca">MCA</option>
        <option value="bba">BBA</option>
        <option value="mba">MBA</option>
    </select>
    <div class="invalid-feedback">Please select your course.</div>
</div>
<div class="col-md-6">
    <label for="departmentSelect" class="form-label">Department</label>
    <select class="form-select" id="departmentSelect" required>
        <option value="" selected disabled>Select Department</option>
        <option value="cse">Computer Science</option>
        <option value="ece">Electronics</option>
        <option value="mech">Mechanical</option>
        <option value="civil">Civil</option>
        <option value="mba">Business Administration</option>
    </select>
    <div class="invalid-feedback">Please select your department.</div>
</div>
<div class="col-md-6">
    <label for="sectionSelect" class="form-label">Section</label>
    <select class="form-select" id="sectionSelect" required>
        <option value="" selected disabled>Select Section</option>
        <option value="A">Section A</option>
        <option value="B">Section B</option>
        <option value="C">Section C</option>
        <option value="D">Section D</option>
    </select>
    <div class="invalid-feedback">Please select your section.</div>
```

```html
            </div>
          </div>


          <h6 class="mt-4 mb-3">Account Credentials</h6>
          <div class="row g-3">
            <div class="col-md-6">
              <label for="signupEmail" class="form-label">Email</label>
              <input type="email" class="form-control" id="signupEmail" required>
              <div class="invalid-feedback">Please provide a valid email.</div>
            </div>
            <div class="col-md-6">
              <label for="signupPassword" class="form-label">Password</label>
              <input type="password" class="form-control" id="signupPassword" required
minlength="6">
              <div class="invalid-feedback">Password must be at least 6 characters.</div>
            </div>
            <div class="col-md-6">
              <label for="signupConfirmPassword" class="form-label">Confirm Password</label>
              <input type="password" class="form-control" id="signupConfirmPassword"
required>
              <div class="invalid-feedback">Passwords must match.</div>
            </div>
          </div>


          <div class="d-grid gap-2 mt-4">
            <button type="submit" class="btn btn-primary">Complete Registration</button>
          </div>
        </form>
      </div>
      <div class="modal-footer justify-content-center">
        <p class="mb-0">Already registered?
          <a href="#" class="text-primary fw-bold" data-bs-dismiss="modal" data-bs-
toggle="modal" data-bs-target="#loginModal">Login here</a>
        </p>
      </div>
    </div>
  </div>
</div>


<!-- Login Modal -->
```

```html
    <div class="modal fade" id="loginModal" tabindex="-1" aria-labelledby="loginModalLabel" aria-hidden="true">
      <div class="modal-dialog">
        <div class="modal-content">
          <div class="modal-header">
            <h5 class="modal-title" id="loginModalLabel">Login to Your Account</h5>
            <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
          </div>
          <div class="modal-body">
            <form id="loginForm">
              <div class="mb-3">
                <label for="loginEmail" class="form-label">Email address</label>
                <input type="email" class="form-control" id="loginEmail" required>
                <div class="invalid-feedback">Please provide your email.</div>
              </div>
              <div class="mb-3">
                <label for="loginPassword" class="form-label">Password</label>
                <input type="password" class="form-control" id="loginPassword" required>
                <div class="invalid-feedback">Please provide your password.</div>
              </div>
              <div class="d-grid">
                <button type="submit" class="btn btn-primary">Login</button>
              </div>
            </form>
          </div>
          <div class="modal-footer justify-content-center">
            <p class="mb-0">Don't have an account? <a href="#" class="text-primary fw-bold" data-bs-dismiss="modal" data-bs-toggle="modal" data-bs-target="#signupModal">Sign up here</a></p>
          </div>
        </div>
      </div>
    </div>


    <!-- Bootstrap JS -->
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
    <!-- Custom JS -->
    <script src="./src/script.js"></script>
</body>
</html>
```

2. attendance.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Attendance | College Leave Management</title>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap"
rel="stylesheet">
    <!-- Bootstrap CSS -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
    <!-- Custom CSS -->
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <!-- Toast Notification -->
    <div class="position-fixed bottom-0 end-0 p-3" style="z-index: 11">
        <div id="liveToast" class="toast" role="alert" aria-live="assertive" aria-atomic="true">
            <div class="toast-header">
                <strong class="me-auto" id="toast-title">Notification</strong>
                <button type="button" class="btn-close" data-bs-dismiss="toast" aria-label="Close"></button>
            </div>
            <div class="toast-body" id="toast-message"></div>
        </div>
    </div>
    <!-- Navbar -->
    <nav class="navbar navbar-expand-lg navbar-light fixed-top">
        <div class="container">
            <a class="navbar-brand" href="../index.html">
                <i class="bi bi-calendar-check me-2"></i>Leave Management
            </a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav mx-auto">
```

```html
            <li class="nav-item">
                <a class="nav-link" href="../index.html">Home</a>
            </li>
            <li class="nav-item">
                <a class="nav-link active" href="attendance.html">Attendance</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="apply-leave.html">Apply Leave</a>
            </li>
        </ul>
        <div class="d-flex align-items-center" id="userProfile">
            <span class="me-3" id="usernameDisplay"></span>
            <button class="btn btn-outline-danger btn-sm" id="logoutBtn">Logout</button>
        </div>
      </div>
    </div>
  </nav>


  <main>
    <!-- Attendance Header -->
    <section class="py-5 bg-light-green">
      <div class="container">
        <div class="d-flex justify-content-between align-items-center">
          <h1 class="mb-0">Your Attendance</h1>
          <div class="dropdown">
            <button class="btn btn-outline-primary dropdown-toggle" type="button"
id="semesterDropdown" data-bs-toggle="dropdown">
                Semester 1
            </button>
            <ul class="dropdown-menu">
              <li><a class="dropdown-item" href="#">Semester 1</a></li>
              <li><a class="dropdown-item" href="#">Semester 2</a></li>
              <li><a class="dropdown-item" href="#">Semester 3</a></li>
            </ul>
          </div>
        </div>
      </div>
    </section>
```

```html
<!-- Attendance Cards -->
<section class="py-5">
  <div class="container">
    <div class="row g-4" id="attendanceCards">
      <!-- Cards will be dynamically inserted here -->
    </div>
  </div>
</section>
</main>


<!-- Footer -->
<footer class="footer">
  <div class="container">
    <div class="text-center">
      <p>College Leave Management System</p>
      <p class="mb-0">&copy; <script>document.write(new Date().getFullYear())</script>
LeaveTrack. All rights reserved.</p>
    </div>
  </div>
</footer>


<!-- Bootstrap JS -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
<!-- Bootstrap Icons -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.0/font/bootstrap-
icons.css">
<!-- Custom JS -->
<script>
  document.addEventListener('DOMContentLoaded', function() {
    const currentUser = JSON.parse(localStorage.getItem('currentUser'));
    const toastLive = document.getElementById('liveToast');
    const toast = new bootstrap.Toast(toastLive);


    if (!currentUser) {
      window.location.href = '../index.html';
      return;
    }


    // Display username
```

```javascript
      document.getElementById('usernameDisplay').textContent = currentUser.name;

      // Handle logout
      document.getElementById('logoutBtn').addEventListener('click', function() {
        localStorage.removeItem('currentUser');
        window.location.href = '../index.html';
      });

      // Generate attendance cards
      const attendanceCards = document.getElementById('attendanceCards');

      if (currentUser.attendance) {
        Object.entries(currentUser.attendance).forEach(([subject, data]) => {
          const percentage = Math.round((data.present / data.total) * 100);
          const progressColor = percentage >= 75 ? 'bg-success' : percentage >= 50 ? 'bg-warning' : 'bg-danger';

          const card = document.createElement('div');
          card.className = 'col-md-6 col-lg-4';
          card.innerHTML = `
            <div class="card h-100">
              <div class="card-header d-flex justify-content-between align-items-center">
                <h5 class="mb-0">${subject}</h5>
                <span class="badge bg-secondary">Core</span>
              </div>
              <div class="card-body">
                <div class="mb-3">
                  <div class="d-flex justify-content-between mb-2">
                    <span>Attendance</span>
                    <span>${percentage}%</span>
                  </div>
                  <div class="progress">
                    <div class="progress-bar ${progressColor}" role="progressbar" style="width: ${percentage}%"></div>
                  </div>
                </div>
                <div class="row text-center">
                  <div class="col-4">
                    <div class="fw-bold">${data.total}</div>
```

```html
                    <div class="text-muted small">Total</div>
                  </div>
                  <div class="col-4">
                    <div class="fw-bold">${data.present}</div>
                    <div class="text-muted small">Present</div>
                  </div>
                  <div class="col-4">
                    <div class="fw-bold">${data.total - data.present}</div>
                    <div class="text-muted small">Absent</div>
                  </div>
                </div>
              </div>
            </div>
          `;
          attendanceCards.appendChild(card);
        });
      }
    });
  </script>
</body>
</html>
```
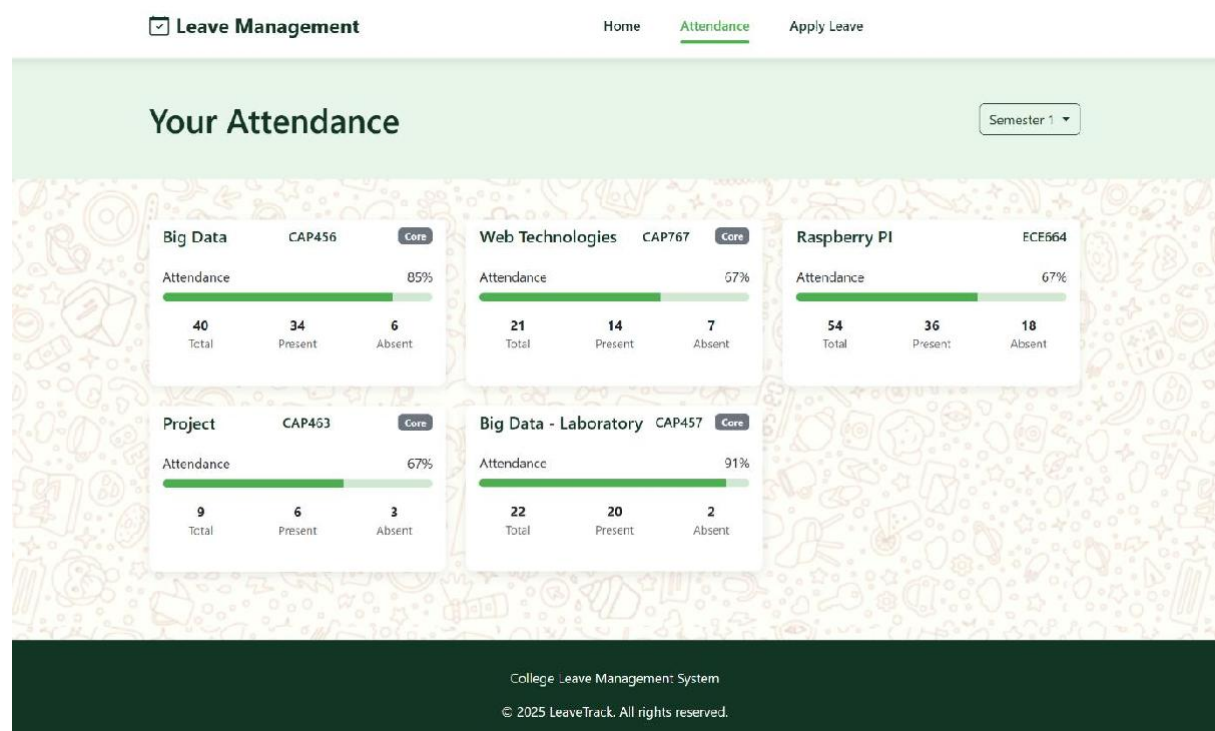
Screenshot:

i. Attendence Page

3. apply-leave.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Apply Leave | College Leave Management</title>
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&display=swap"
    rel="stylesheet">
    <!-- Bootstrap CSS -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
    <!-- Custom CSS -->
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <!-- Toast Notification -->
    <div class="position-fixed bottom-0 end-0 p-3" style="z-index: 11">
        <div id="liveToast" class="toast" role="alert" aria-live="assertive" aria-atomic="true">
            <div class="toast-header">
                <strong class="me-auto" id="toast-title">Notification</strong>
                <button type="button" class="btn-close" data-bs-dismiss="toast" aria-
label="Close"></button>
            </div>
            <div class="toast-body" id="toast-message"></div>
        </div>
    </div>

    <!-- Navbar -->
    <nav class="navbar navbar-expand-lg navbar-light fixed-top">
        <div class="container">
            <a class="navbar-brand" href="../index.html">
                <i class="bi bi-calendar-check me-2"></i>Leave Management
            </a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarNav">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav mx-auto">
                    <li class="nav-item">
                        <a class="nav-link" href="../index.html">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="attendance.html">Attendance</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link active" href="apply-leave.html">Apply Leave</a>
                    </li>
```

```html
            </ul>
            <div class="d-flex align-items-center" id="userProfile">
              <span class="me-3" id="usernameDisplay"></span>
              <button class="btn btn-outline-danger btn-sm" id="logoutBtn">Logout</button>
            </div>
          </div>
        </div>
      </nav>

      <main>
        <!-- Application Header -->
        <section class="py-3 pt-3 bg-light-green">
          <div class="container text-center">
            <h1 class="mb-3">Apply for Leave</h1>
            <p class="lead mb-0">Fill out the form below to submit your leave request</p>
          </div>
        </section>

        <!-- Leave Application Form -->
        <section class="py-5">
          <div class="container">
            <div class="row justify-content-center">
              <div class="col-lg-8">
                <div class="card">
                  <div class="card-body p-4">
                    <form id="leaveForm">
                      <div class="row g-3">
                        <div class="col-md-6">
                          <label for="fullName" class="form-label">Full Name</label>
                          <input type="text" class="form-control" id="fullName" required readonly>
                        </div>
                        <div class="col-md-6">
                          <label for="rollNumber" class="form-label">Roll Number</label>
                          <input type="text" class="form-control" id="rollNumber" required
readonly>
                        </div>
                        <div class="col-md-6">
                          <label for="leaveType" class="form-label">Leave Type</label>
                          <select class="form-select" id="leaveType" required>
                            <option value="">Select leave type</option>
                            <option>Medical Leave</option>
                            <option>Personal Leave</option>
                            <option>Academic Leave</option>
                            <option>Emergency Leave</option>
                          </select>
                        </div>
                        <div class="col-md-6">
                          <label for="department" class="form-label">Department</label>
                          <input type="text" class="form-control" id="department" required
readonly>
```

```html
                                  </div>
                                  <div class="col-md-6">
                                    <label for="startDate" class="form-label">Start Date</label>
                                    <input type="date" class="form-control" id="startDate" required>
                                  </div>
                                  <div class="col-md-6">
                                    <label for="endDate" class="form-label">End Date</label>
                                    <input type="date" class="form-control" id="endDate" required>
                                  </div>
                                  <div class="col-12">
                                    <label for="reason" class="form-label">Reason for Leave</label>
                                    <textarea class="form-control" id="reason" rows="4" required></textarea>
                                  </div>
                                  <div class="col-12">
                                    <label for="attachment" class="form-label">Supporting Document (if
any)</label>
                                    <input class="form-control" type="file" id="attachment">
                                  </div>
                                  <div class="col-12 mt-4">
                                    <div class="d-grid">
                                      <button type="submit" class="btn btn-primary btn-lg">
                                        Submit Application
                                      </button>
                                    </div>
                                  </div>
                                </div>
                              </form>
                            </div>
                          </div>
                        </div>
                      </div>
                  </section>
                </main>

                <!-- Footer -->
                <footer class="footer">
                  <div class="container">
                    <div class="text-center">
                      <p>College Leave Management System</p>
                      <p class="mb-0">&copy; <script>document.write(new Date().getFullYear())</script>
LeaveTrack. All rights reserved.</p>
                    </div>
                  </div>
                </footer>

                <!-- Bootstrap JS -->
                <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
                <!-- Bootstrap Icons -->
                <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.0/font/bootstrap-
```

```
icons.css">
  <!-- Custom JS -->
  <script src="script.js"></script>
  <script>
    // Load user data into form
    document.addEventListener('DOMContentLoaded', function() {
      const currentUser = JSON.parse(localStorage.getItem('currentUser'));
      const toastLive = document.getElementById('liveToast');
      const toast = new bootstrap.Toast(toastLive);

      if (!currentUser) {
        window.location.href = '../index.html';
        return;
      }

      // Fill user data
      document.getElementById('fullName').value = currentUser.name;
      document.getElementById('rollNumber').value = currentUser.regNumber;
      document.getElementById('department').value = currentUser.department.toUpperCase() + ' - '
+ currentUser.course.toUpperCase();

      // Set min date for leave (today)
      const today = new Date().toISOString().split('T')[0];
      document.getElementById('startDate').min = today;
      document.getElementById('endDate').min = today;

      // Handle form submission
      document.getElementById('leaveForm').addEventListener('submit', function(e) {
        e.preventDefault();

        const startDate = new Date(document.getElementById('startDate').value);
        const endDate = new Date(document.getElementById('endDate').value);

        if (startDate > endDate) {
          document.getElementById('toast-title').textContent = 'Error';
          document.getElementById('toast-message').textContent = 'End date must be after start
date';
          document.querySelector('.toast-header').className = 'toast-header text-white bg-danger';
          toast.show();
          return;
        }

        // Create leave application
        const leaveApplication = {
          id: Date.now(),
          type: document.getElementById('leaveType').value,
          startDate: document.getElementById('startDate').value,
          endDate: document.getElementById('endDate').value,
          reason: document.getElementById('reason').value,
          status: 'Pending',
```

```
                  submittedAt: new Date().toISOString()
            };

            // Update user data
            currentUser.leaves = currentUser.leaves || [];
            currentUser.leaves.push(leaveApplication);

            // Update in users array
            const users = JSON.parse(localStorage.getItem('users'));
            const userIndex = users.findIndex(u => u.id === currentUser.id);
            if (userIndex !== -1) {
                users[userIndex] = currentUser;
                localStorage.setItem('users', JSON.stringify(users));
            }

            localStorage.setItem('currentUser', JSON.stringify(currentUser));

            document.getElementById('toast-title').textContent = 'Success';
            document.getElementById('toast-message').textContent = 'Leave application submitted
    successfully!';
            document.querySelector('.toast-header').className = 'toast-header text-white bg-success';
            toast.show();

            // Reset form
            document.getElementById('leaveForm').reset();
            document.getElementById('fullName').value = currentUser.name;
            document.getElementById('rollNumber').value = currentUser.regNumber;
            document.getElementById('department').value = currentUser.department.toUpperCase() + ' -
    ' + currentUser.course.toUpperCase();
        });

        // Update end date min when start date changes
        document.getElementById('startDate').addEventListener('change', function() {
            document.getElementById('endDate').min = this.value;
        });

        // Handle logout
        document.getElementById('logoutBtn').addEventListener('click', function() {
            localStorage.removeItem('currentUser');
            window.location.href = '../index.html';
        });

        // Display username
        document.getElementById('usernameDisplay').textContent = currentUser.name;
    });
    </script>
  </body>
</html>
```

Screenshot:

Apply for Leave

Fill out the form below to submit your leave request

Full Name

Roll Number

Leave Type

Select leave type ⌄

Department

Select department ⌄

Start Date

dd-mm-yyyy 📅

End Date

dd-mm-yyyy 📅

Reason for Leave

Supporting Document (if any)

Choose File   No file chosen

Submit Application

styles.css

```css
/* Phthalo Green Color Theme */
:root {
    --phthalo-green: #123524;
    --light-green: #e8f5e9;
    --accent-green: #4caf50;
    --white: #ffffff;
}
body {
    background-color: var(--white);
    color: var(--phthalo-green);
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    display: flex;
    flex-direction: column;
    min-height: 100vh;
    margin: 0;
    padding: 0;
}

/* Navbar Styles */
.navbar {
    background-color: var(--white)
    !important; padding: 1rem 0;
    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
    border-bottom: 2px solid var(--light-
    green);
}
.navbar-brand {
    color: var(--phthalo-green)
    !important; font-weight: 700;
    font-size: 1.5rem;
    margin-right:
    2rem;
}
.nav-link {
    color: var(--phthalo-green)
    !important; font-weight: 500;
```

```css
    padding: 0.5rem 1rem !important;

    margin: 0 0.5rem;

    transition: all 0.3s ease;

}

.nav-link:hover {

    color: var(--accent-green) !important;

}

.navbar-toggler {

    border-color: var(--phthalo-green) !important;

}

.navbar-toggler-icon {

    background-image: url("data:image/svg+xml,%3csvg xmlns='http://www.w3.org/2000/svg' viewBox='0 0 30 30'%3e%3cpath stroke='rgba%2818, 53, 36, 1%29' stroke-linecap='round' stroke-miterlimit='10' stroke-width='2' d='M4 7h22M4 15h22M4 23h22'/%3e%3c/svg%3e") !important;

}

/* Center and space navbar items */

.navbar-collapse {

    justify-content: center;

}

.navbar-nav {

    align-items: center;


/* Active Page Indicator */

.nav-link.active {

    color: var(--accent-green)

    !important; font-weight: 600;

    position: relative;

}

.nav-link.active::after

    { content: '';

    position: absolute;

    bottom: -2px;

    left: 1rem;

    right:

    1rem;

    height: 3px;
```

```css
    backround-color: var(--accent-green);

    border-radius: 3px;

}

/* Button Styles */

.btn-primary {

    background-color: var(--phthalo-green);

    border: none;

    padding: 0.5rem 1.5rem;

    transition: all 0.3s ease;


.btn-primary:hover {

    background-color: var(--accent-green);

    transform: translateY(-2px);

}

.btn-outline-primary {

    color: var(--phthalo-green);

    border-color: var(--phthalo-green);


.btn-outline-primary:hover {

    background-color: var(--phthalo-green);

    color: var(--white);

}

/* Card Styles */

.card {

    border: none;

    border-radius:

    10px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.08);

    transition: all 0.3s ease;

    margin-bottom: 1.5rem;

}

.card:hover {

    transform: translateY(-5px);

    box-shadow: 0 8px 16px rgba(0, 0, 0, 0.12);

}
```

```css
.card-header {
  background-color: white;
  color: var(--phthalo-
  green); font-weight: 600;
  border-bottom: none;
}
/* Footer Styles */
.footer {
  background-color: var(--phthalo-green);
  color: var(--white);
  padding: 2rem 0;
  margin-top: auto;
}
.footer a {
  color: var(--white);
  text-decoration: none;
  transition: color 0.3s ease;
}
.footer a:hover {
  color: var(--light-green);
}
/* Main content padding to account for fixed navbar */ main
{
  padding-top: 80px;
  flex: 1;
  background-image: url("./bg.PNG");

/* Hero Section */
.hero {
  padding: 4rem 0;
  margin-bottom: 3rem;
  margin-top: 5rem;
  align-items: center;
}
```

```css
/* Progress Bar */
.progress {
    height: 10px;
    border-radius: 5px;
    background-color: #d1e8d2;
}
.progress-bar {
    background-color: var(--accent-green);
}

/* Form Styles */
.form-control:focus {
    border-color: var(--accent-green);
    box-shadow: 0 0 0 0.25rem rgba(76, 175, 80, 0.25);
}
/* Utility Classes */
.text-accent {
    color: var(--accent-green);
}
.bg-light-green {
    background-color: var(--light-green);
}
/* ===================== */
/* MEDIA QUERIES */
/* ===================== */
/* Large devices (desktops, 1200px and up) */
@media (min-width: 1200px) {
    .container {
        max-width: 1140px;
    }
    .hero {
        padding: 6rem 0;
    }
}
/* Medium devices (tablets, 992px to 1199px) */
```

```css
@media (max-width: 1199px) {
  .navbar-brand {
    font-size: 1.3rem;
    margin-right: 1.5rem;
  }
  .nav-link {
    padding: 0.5rem 0.8rem !important;
    margin: 0 0.3rem;
  }
  .hero {
    padding: 3.5rem 0;
  }
}
/* Small devices (landscape phones, 768px to 991px) */
@media (max-width: 991px) {
  .navbar-collapse {
    padding-top: 1rem;

  .navbar-nav {
    margin-bottom: 1rem;
  }
  .nav-link.active::after
    { display: none;
  }
  .hero {
    margin-top: 3rem;
    padding: 3rem 0;
  }
  .footer .col-md-6,
  .footer .col-md-3 {
    margin-bottom: 1.5rem;
    text-align: center;
  }
}
```

```css
/* Extra small devices (portrait phones, 576px to 767px) */
@media (max-width: 767px) {
  body {
    padding-top: 60px;
  }
  main {
    padding-top: 60px;
  }
  .navbar-brand {
    font-size: 1.2rem;
    margin-right: 1rem;
  }
  .btn-primary,
  .btn-outline-primary {
    padding: 0.4rem 1rem;
    font-size: 0.9rem;
  }
  .hero {
    padding: 2.5rem 0;
    margin-top: 2rem;
    margin-bottom: 2rem;

  .hero h1 {
    font-size: 1.8rem;
  }
  .card {
    margin-bottom: 1rem;
  }
  .footer {
    padding: 1.5rem 0;
  }
}
/* Tiny devices (phones, less than 576px) */
@media (max-width: 575px) {
```

```css
    .navbar-brand {

        font-size: 1.1rem;

    }

    .nav-link {

        padding: 0.5rem 0.5rem !important;

        margin: 0 0.2rem;

        font-size: 0.9rem;

    }

    .hero {

        padding: 2rem 0;

    }

    .hero h1 {

        font-size: 1.5rem;

    }

    .hero .btn {

        display:

        block; width:

        100%;

        margin-bottom: 0.5rem;

    }

    .footer {

        text-align: center;

    }

    .footer h5 {

        margin-bottom: 1rem;


    }

    .footer ul {

        margin-bottom: 1.5rem;

    }

}

/* Modal specific responsiveness */

@media (max-width: 767px) {

    .modal-dialog {

        margin: 1rem auto;
```

```css
    .modal-content {

      border-radius:

      0;

    }

}

/* Form specific responsiveness */

@media (max-width: 575px) {

  .form-control {

    font-size: 0.9rem;

  }

  .btn {

    font-size: 0.9rem;

  }

}

/* Card hover effects on mobile */

@media (hover: none) {

  .card:hover {

    transform: none;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.08);

  }

}
```

script.js

```javascript
  // DOM Elements

  const loginForm = document.getElementById('loginForm');

  const signupForm = document.getElementById('signupForm');

  const authButtons = document.getElementById('authButtons');

  const userProfile = document.getElementById('userProfile');

  const usernameDisplay = document.getElementById('usernameDisplay');

  const logoutBtn = document.getElementById('logoutBtn');

  const applyLeaveBtn = document.getElementById('applyLeaveBtn');

  const viewAttendanceBtn = document.getElementById('viewAttendanceBtn');

  const toastLive = document.getElementById('liveToast');

  const toast = new bootstrap.Toast(toastLive);


  // Initialize

  document.addEventListener('DOMContentLoaded', function() {

    checkAuthStatus();
```

```javascript
    // Event listeners
    if (loginForm) {
        loginForm.addEventListener('submit', handleLogin);
    }

    if (signupForm) {
        signupForm.addEventListener('submit', handleSignup);
    }

    if (logoutBtn) {
        logoutBtn.addEventListener('click', handleLogout);
    }
});

// Functions
function checkAuthStatus() {
    const currentUser = JSON.parse(localStorage.getItem('currentUser'));
    if (currentUser) {
        authButtons.classList.add('d-none');
        userProfile.classList.remove('d-none');
        usernameDisplay.textContent = currentUser.name;

        // Update navigation buttons
        if (applyLeaveBtn && viewAttendanceBtn) {
            applyLeaveBtn.classList.remove('disabled');
            viewAttendanceBtn.classList.remove('disabled');
        }
    } else {
        authButtons.classList.remove('d-none');
        userProfile.classList.add('d-none');

        // Update navigation buttons
        if (applyLeaveBtn && viewAttendanceBtn) {
            applyLeaveBtn.classList.add('disabled');
            viewAttendanceBtn.classList.add('disabled');
        }
    }
}
```

```javascript
function handleLogin(e) {
    e.preventDefault();

    const email = document.getElementById('loginEmail').value;
    const password = document.getElementById('loginPassword').value;

    // Simple validation
    if (!email || !password) {
        showToast('Error', 'Please fill in all fields', 'danger');
        return;
    }

    const users = JSON.parse(localStorage.getItem('users')) || [];
    const user = users.find(u => u.email === email && u.password === password);

    if (user) {
        localStorage.setItem('currentUser', JSON.stringify(user));
        showToast('Success', 'Login successful!', 'success');
        checkAuthStatus();
        $('#loginModal').modal('hide');
        loginForm.reset();
    } else {
        showToast('Error', 'Invalid credentials', 'danger');
    }
}

function handleSignup(e) {
    e.preventDefault();

    // Get form values
    const name = document.getElementById('signupName').value;
    const dob = document.getElementById('signupDob').value;
    const regNumber = document.getElementById('registrationNumber').value;
    const course = document.getElementById('courseSelect').value;
    const department = document.getElementById('departmentSelect').value;
    const section = document.getElementById('sectionSelect').value;
    const email = document.getElementById('signupEmail').value;
    const password = document.getElementById('signupPassword').value;
```

```
    const confirmPassword = document.getElementById('signupConfirmPassword').value;


  // Validate form

  if (!name || !dob || !regNumber || !course || !department || !section || !email || !password ||
!confirmPassword) {

    showToast('Error', 'Please fill in all fields', 'danger');

    return;

  }


  if (password !== confirmPassword) {

    showToast('Error', 'Passwords do not match', 'danger');

    return;

  }


  if (password.length < 6) {

    showToast('Error', 'Password must be at least 6 characters', 'danger');

    return;

  }


  // Check if user already exists

  const users = JSON.parse(localStorage.getItem('users')) || [];

  if (users.some(u => u.email === email)) {

    showToast('Error', 'User already exists with this email', 'danger');

    return;

  }


  // Create new user

  const newUser = {

    id: Date.now(),

    name,

    dob,

    regNumber,

    course,

    department,

    section,

    email,

    password,

    leaves: [],

    attendance: {
```

```javascript
        'Big Data': { total: 40, present: 34 },
        'Web Technologies': { total: 21, present: 14 },
        'Raspberry PI': { total: 54, present: 36 },
        'Project': { total: 9, present: 6 },
        'Big Data - Laboratory': { total: 22, present: 20 }
      }
    };

    users.push(newUser);
    localStorage.setItem('users', JSON.stringify(users));
    localStorage.setItem('currentUser', JSON.stringify(newUser));

    showToast('Success', 'Registration successful!', 'success');
    checkAuthStatus();
    $('#signupModal').modal('hide');
    signupForm.reset();
}


function handleLogout() {
    localStorage.removeItem('currentUser');
    showToast('Success', 'Logged out successfully', 'success');
    checkAuthStatus();
}


function showToast(title, message, type = 'success') {
    const toastTitle = document.getElementById('toast-title');
    const toastMessage = document.getElementById('toast-message');

    toastTitle.textContent = title;
    toastMessage.textContent = message;

    // Set background color based on type
    const headerClass = type === 'success' ? 'bg-success' : type === 'danger' ? 'bg-danger' : 'bg-primary';
    toastTitle.parentElement.className = `toast-header text-white ${headerClass}`;

    toast.show();
}

// Initialize users if not exists
```

```
if (!localStorage.getItem('users')) {
    localStorage.setItem('users', JSON.stringify([]));
}
```

THE END.

```
if (!localStorage.getItem('users')) {
    localStorage.setItem('users', JSON.stringify([]));
}
```