```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>University Student Portal</title>
    <script src="https://cdn.tailwindcss.com"></script>
    <link
href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700&display=swap"
rel="stylesheet">
    <script src="https://cdn.jsdelivr.net/npm/dayjs@1.11.10/dayjs.min.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/dayjs@1.11.10/plugin/weekday.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/dayjs@1.11.10/plugin/weekOfYear.js"></script>
    <script src="https://cdn.jsdelivr.net/npm/dayjs@1.11.10/plugin/relativeTime.js"></script>

    <style>
      body {
        font-family: 'Inter', sans-serif;
      }
      .sidebar {
        transition: transform 0.3s ease-in-out;
      }
      @media (max-width: 768px) {
        .sidebar {
          transform: translateX(-100%);
        }
        .sidebar.open {
          transform: translateX(0);
        }
      }
      /* Custom scrollbar for better aesthetics */
      ::-webkit-scrollbar {
        width: 8px;
      }
      ::-webkit-scrollbar-track {
        background: #f8fafc; /* slate-50 */
      }
      ::-webkit-scrollbar-thumb {
        background: #cbd5e1; /* slate-300 */
        border-radius: 10px;
      }
      ::-webkit-scrollbar-thumb:hover {
        background: #94a3b8; /* slate-400 */
      }
```

```css
    .profile-input {
        width: 100%;
        background-color: transparent;
        border: 1px solid transparent;
        padding: 0.5rem;
        border-radius: 0.375rem;
        transition: all 0.2s ease-in-out;
    }
    .profile-input:disabled {
        color: #334155; /* slate-700 */
    }
    .profile-input:not(:disabled) {
        border-color: #e2e8f0; /* slate-200 */
        background-color: #f8fafc; /* slate-50 */
    }
    .modal-overlay {
        transition: opacity 0.3s ease;
    }
    .modal-content {
        transition: transform 0.3s ease;
    }
    .timetable-cell {
        cursor: pointer;
    }
</style>
</head>
<body class="bg-slate-100">

    <!-- Login/Register Page -->
    <div id="auth-page" class="flex items-center justify-center min-h-screen bg-slate-200">
        <div class="w-full max-w-md p-8 space-y-6 bg-white rounded-xl shadow-lg">
            <div class="flex justify-center">
                <svg class="w-16 h-16 text-teal-600" fill="none" stroke="currentColor" viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path d="M12 14l9-5-9-5-9 5 9 5z"></path><path d="M12 14l6.16-3.422a12.083 12.083 0 01.665 6.479A11.952 11.952 0 0012 20.055a11.952 11.952 0 00-6.824-9.998 12.078 12.078 0 01.665-6.479L12 14z"></path><path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M12 14l9-5-9-5-9 5 9 5zm0 0l6.16-3.422a12.083 12.083 0 01.665 6.479A11.952 11.952 0 0012 20.055a11.952 11.952 0 00-6.824-9.998 12.078 12.078 0 01.665-6.479L12 14zm-4 6v-7.5l4-2.222 4 2.222V20M1 12l11 6 11-6M1 12l11-6 11 6"></path></svg>
            </div>

            <div class="flex border-b border-slate-200">
```

```html
        <button id="student-tab" class="flex-1 py-2 font-semibold text-teal-600 border-b-2
border-teal-600">Student</button>
        <button id="admin-tab" class="flex-1 py-2 font-semibold
text-slate-500">Admin</button>
      </div>

      <h2 id="auth-title" class="text-3xl font-bold text-center text-slate-800">Student
Login</h2>
      <div id="auth-message-container" class="text-center">
        <p id="auth-success" class="text-green-600 font-medium"></p>
        <p id="auth-error" class="text-red-600 font-medium"></p>
      </div>

      <div id="student-auth-forms">
        <form id="login-form" class="space-y-6">
          <div>
            <label for="email" class="text-sm font-medium text-slate-700">Student
Email</label>
            <input type="email" id="email" required class="w-full px-4 py-2 mt-2 text-base
text-slate-700 bg-slate-100 border border-slate-300 rounded-lg focus:outline-none focus:ring-2
focus:ring-teal-500">
          </div>
          <div>
            <label for="password" class="text-sm font-medium
text-slate-700">Password</label>
            <input type="password" id="password" required class="w-full px-4 py-2 mt-2
text-base text-slate-700 bg-slate-100 border border-slate-300 rounded-lg focus:outline-none
focus:ring-2 focus:ring-teal-500">
          </div>
          <div>
            <button type="submit" class="w-full py-3 font-semibold text-white bg-teal-600
rounded-lg hover:bg-teal-700 focus:outline-none focus:ring-2 focus:ring-offset-2
focus:ring-teal-500 transition-all duration-300">
              Login
            </button>
          </div>
        </form>
        <form id="register-form" class="hidden space-y-6">
          <div>
            <label for="reg-name" class="text-sm font-medium text-slate-700">Full
Name</label>
            <input type="text" id="reg-name" required class="w-full px-4 py-2 mt-2 text-base
text-slate-700 bg-slate-100 border border-slate-300 rounded-lg focus:outline-none focus:ring-2
focus:ring-teal-500">
```

```html
          </div>
          <div>
              <label for="reg-email" class="text-sm font-medium text-slate-700">Student
Email</label>
              <input type="email" id="reg-email" required class="w-full px-4 py-2 mt-2
text-base text-slate-700 bg-slate-100 border border-slate-300 rounded-lg focus:outline-none
focus:ring-2 focus:ring-teal-500">
          </div>
          <div>
              <label for="reg-password" class="text-sm font-medium text-slate-700">Create
Password</label>
              <input type="password" id="reg-password" required class="w-full px-4 py-2 mt-2
text-base text-slate-700 bg-slate-100 border border-slate-300 rounded-lg focus:outline-none
focus:ring-2 focus:ring-teal-500">
          </div>
          <div>
              <button type="submit" class="w-full py--3 font-semibold text-white bg-teal-600
rounded-lg hover:bg-teal-700 focus:outline-none focus:ring-2 focus:ring-offset-2
focus:ring-teal-500 transition-all duration-300">
                  Register
              </button>
          </div>
      </form>
      <p class="text-sm text-center text-slate-600 pt-4">
          <span id="auth-switch-text">Don't have an account?</span>
          <a href="#" id="auth-switch-link" class="font-medium text-teal-600
hover:underline">Register</a>
      </p>
  </div>

  <div id="admin-auth-form" class="hidden">
      <form id="admin-login-form" class="space-y-6">
          <div>
              <label for="admin-email" class="text-sm font-medium text-slate-700">Admin
Email</label>
              <input type="email" id="admin-email" value="admin@university.edu" required
class="w-full px-4 py-2 mt-2 text-base text-slate-700 bg-slate-100 border border-slate-300
rounded-lg focus:outline-none focus:ring-2 focus:ring-teal-500">
          </div>
          <div>
              <label for="admin-password" class="text-sm font-medium
text-slate-700">Password</label>
```

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                <input type="password" id="admin-password" value="admin123" required
class="w-full px-4 py-2 mt-2 text-base text-slate-700 bg-slate-100 border border-slate-300
rounded-lg focus:outline-none focus:ring-2 focus:ring-teal-500">
            </div>
            <div>
                <button type="submit" class="w-full py-3 font-semibold text-white bg-rose-600
rounded-lg hover:bg-rose-700 focus:outline-none focus:ring-2 focus:ring-offset-2
focus:ring-rose-500 transition-all duration-300">
                    Admin Login
                </button>
            </div>
        </form>
    </div>

    </div>
  </div>

  <!-- Main Portal -->
  <div id="app-container" class="hidden">
    <!-- Sidebar Navigation -->
    <aside class="sidebar fixed top-0 left-0 z-40 w-64 h-screen bg-white shadow-xl
md:translate-x-0">
        <div class="p-6">
          <a href="#" class="flex items-center space-x-2 text-2xl font-bold text-teal-600">
            <svg class="w-8 h-8" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path d="M12 14l9-5-9-5-9 5 9 5z"></path><path d="M12
14l6.16-3.422a12.083 12.083 0 01.665 6.479A11.952 11.952 0 0012 20.055a11.952 11.952 0
00-6.824-9.998 12.078 12.078 0 01.665-6.479L12 14z"></path><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M12 14l9-5-9-5-9 5 9 5zm0 0l6.16-3.422a12.083
12.083 0 01.665 6.479A11.952 11.952 0 0012 20.055a11.952 11.952 0 00-6.824-9.998 12.078
12.078 0 01.665-6.479L12 14zm-4 6v-7.5l4-2.222 4 2.222V20M1 12l11 6 11-6M1 12l11-6 11
6"></path></svg>
            <span>UniPortal</span>
          </a>
        </div>

        <!-- Student Nav -->
        <nav id="student-nav" class="mt-6">
          <a href="#dashboard" class="nav-link student flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M3 12l2-2m0 0l7-7 7 7M5 10v10a1 1 0 001 1h3m10-11l2 2m-2-2v10a1 1 0
01-1 1h-3m-6 0a1 1 0 001-1v-4a1 1 0 011-1h2a1 1 0 011 1v4a1 1 0 001 1m-6
0h6"></path></svg>
```

```html
            <span class="ml-3">Dashboard</span>
        </a>
        <a href="#announcements" class="nav-link student flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M11 5.882V19.24a1.76 1.76 0 01-3.417.592l-2.147-6.15M18 13a3 3 0
100-6M5.436 13.683A4.001 4.001 0 017 6h1.832c4.1 0 7.625-2.236 9.168-5.514C18.118 2.047
16.297 2 14.505 2H7a2 2 0 00-2 2v9.568a2 2 0 001.436 1.918z"></path></svg>
            <span class="ml-3">Announcements</span>
        </a>
        <a href="#events" class="nav-link student flex items-center px-6 py-3">
             <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M8 7V3m8 4V3m-9 8h10M5 21h14a2 2 0 002-2V7a2 2 0 00-2-2H5a2 2 0
00-2 2v12a2 2 0 002 2z"></path></svg>
            <span class="ml-3">Events</span>
        </a>
        <a href="#timetable" class="nav-link student flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M8 7V3m8 4V3m-9 8h10M5 21h14a2 2 0 002-2V7a2 2 0 00-2-2H5a2 2 0
00-2 2v12a2 2 0 002 2z"></path></svg>
            <span class="ml-3">Timetable</span>
        </a>
        <a href="#calendar" class="nav-link student flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M8 7V3m8 4V3m-9 8h10M5 21h14a2 2 0 002-2V7a2 2 0 00-2-2H5a2 2 0
00-2 2v12a2 2 0 002 2z"></path></svg>
            <span class="ml-3">Events Calendar</span>
        </a>
        <a href="#results" class="nav-link student flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M9 12h6m-6 4h6m2 5H7a2 2 0 01-2-2V5a2 2 0 012-2h5.586a1 1 0
01.707.293l5.414 5.414a1 1 0 01.293.707V19a2 2 0 01-2 2z"></path></svg>
            <span class="ml-3">Results</span>
        </a>
        <a href="#archive" class="nav-link student flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M5 8h14M5 8a2 2 0 110-4h14a2 2 0 110 4M5 8v10a2 2 0 002 2h10a2 2 0
002-2V8m-9 4h4"></path></svg>
            <span class="ml-3">Events Archive</span>
```

```html
        </a>
         <a href="#profile" class="nav-link student flex items-center px-6 py-3">
           <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M16 7a4 4 0 11-8 0 4 4 0 018 0zM12 14a7 7 0 00-7 7h14a7 7 0
00-7-7z"></path></svg>
            <span class="ml-3">Profile</span>
         </a>
      </nav>

       <!-- Admin Nav -->
       <nav id="admin-nav" class="hidden mt-6">
         <a href="#admin-dashboard" class="nav-link admin flex items-center px-6 py-3">
           <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M16 8v8m-4-5v5m-4-2v2m-2 4h12a2 2 0 002-2V6a2 2 0 00-2-2H6a2 2 0
00-2 2v12a2 2 0 002 2z"></path></svg>
            <span class="ml-3">Dashboard</span>
         </a>
         <a href="#manage-announcements" class="nav-link admin flex items-center px-6
py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M11 5.882V19.24a1.76 1.76 0 01-3.417.592l-2.147-6.15M18 13a3 3 0
100-6M5.436 13.683A4.001 4.001 0 017 6h1.832c4.1 0 7.625-2.236 9.168-5.514C18.118 2.047
16.297 2 14.505 2H7a2 2 0 00-2 2v9.568a2 2 0 001.436 1.918z"></path></svg>
            <span class="ml-3">Announcements</span>
         </a>
         <a href="#manage-events" class="nav-link admin flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M8 7V3m8 4V3m-9 8h10M5 21h14a2 2 0 002-2V7a2 2 0 00-2-2H5a2 2 0
00-2 2v12a2 2 0 002 2z"></path></svg>
            <span class="ml-3">Events</span>
         </a>
          <a href="#manage-timetable" class="nav-link admin flex items-center px-6 py-3">
            <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M8 7V3m8 4V3m-9 8h10M5 21h14a2 2 0 002-2V7a2 2 0 00-2-2H5a2 2 0
00-2 2v12a2 2 0 002 2z"></path></svg>
            <span class="ml-3">Timetable</span>
         </a>
         <a href="#manage-results" class="nav-link admin flex items-center px-6 py-3">
```

```html
                    <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M9 12h6m-6 4h6m2 5H7a2 2 0 01-2-2V5a2 2 0 012-2h5.586a1 1 0
01.707.293l5.414 5.414a1 1 0 01.293.707V19a2 2 0 01-2 2z"></path></svg>
                    <span class="ml-3">Results</span>
                </a>
                 <a href="#profile" class="nav-link admin flex items-center px-6 py-3">
                    <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M16 7a4 4 0 11-8 0 4 4 0 018 0zM12 14a7 7 0 00-7 7h14a7 7 0
00-7-7z"></path></svg>
                    <span class="ml-3">Profile</span>
                </a>
            </nav>

            <a href="#" id="logout-btn" class="nav-link flex items-center px-6 py-3 text-slate-600
hover:bg-slate-100 absolute bottom-0 mb-4">
                 <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M17 16l4-4m0 0l-4-4m4 4H7m6 4v1a3 3 0 01-3 3H6a3 3 0 01-3-3V7a3 3 0
013-3h4a3 3 0 013 3v1"></path></svg>
                <span class="ml-3">Logout</span>
            </a>
        </aside>

        <!-- Main Content -->
        <main class="md:ml-64 transition-all duration-300">
            <!-- Header -->
            <header class="bg-white shadow-sm p-4 flex justify-between items-center">
                <button id="menu-btn" class="md:hidden text-slate-500 focus:outline-none">
                     <svg class="w-6 h-6" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M4 6h16M4 12h16m-7 6h7"></path></svg>
                </button>
                <h1 id="page-title" class="text-2xl font-semibold text-slate-800">Dashboard</h1>
                <div class="flex items-center space-x-4">
                    <img id="header-avatar"
src="https://placehold.co/40x40/E2E8F0/4A5568?text=AV" alt="User Avatar" class="w-10 h-10
rounded-full">
                    <div>
                        <p id="header-user-name" class="font-medium text-slate-800">User Name</p>
                        <p id="header-user-id" class="text-sm text-slate-500">User ID</p>
                    </div>
                </div>
```

```html
        </header>

        <div class="p-6">
            <!-- STUDENT PAGES -->
            <div id="student-pages">
                <!-- Dashboard Page -->
                <div id="dashboard-page" class="page">
                    <div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4 gap-6 mb-6">
                        <div class="bg-white p-6 rounded-lg shadow-md flex items-center
justify-between">
                            <div>
                                <p class="text-sm text-slate-500">Courses Enrolled</p>
                                <p class="text-3xl font-bold text-slate-800">5</p>
                            </div>
                            <div class="bg-teal-50 p-3 rounded-full">
                                <svg class="w-6 h-6 text-teal-600" fill="none" stroke="currentColor"
viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M12 6.253v11.494m-9-5.747h18"></path></svg>
                            </div>
                        </div>
                        <div class="bg-white p-6 rounded-lg shadow-md flex items-center
justify-between">
                            <div>
                                <p class="text-sm text-slate-500">Upcoming Events</p>
                                <p class="text-3xl font-bold text-slate-800">2</p>
                            </div>
                            <div class="bg-cyan-50 p-3 rounded-full">
                                <svg class="w-6 h-6 text-cyan-600" fill="none" stroke="currentColor"
viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M8 7V3m8 4V3m-9 8h10M5 21h14a2 2 0
002-2V7a2 2 0 00-2-2H5a2 2 0 00-2 2v12a2 2 0 002 2z"></path></svg>
                            </div>
                        </div>
                        <div class="bg-white p-6 rounded-lg shadow-md flex items-center
justify-between">
                            <div>
                                <p class="text-sm text-slate-500">Assignments Due</p>
                                <p class="text-3xl font-bold text-slate-800">3</p>
                            </div>
                            <div class="bg-amber-50 p-3 rounded-full">
                                <svg class="w-6 h-6 text-amber-600" fill="none" stroke="currentColor"
viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M9 5H7a2 2 0 00-2 2v12a2 2 0 002 2h10a2 2 0
```

```
002-2V7a2 2 0 00-2-2h-2M9 5a2 2 0 002 2h2a2 2 0 002-2M9 5a2 2 0 012-2h2a2 2 0 012 2m-3
7h3m-3 4h3m-6-4h.01M9 16h.01"></path></svg>
                            </div>
                        </div>
                        <div class="bg-white p-6 rounded-lg shadow-md flex items-center
justify-between">
                            <div>
                                <p class="text-sm text-slate-500">Current GPA</p>
                                <p class="text-3xl font-bold text-slate-800">3.8</p>
                            </div>
                            <div class="bg-rose-50 p-3 rounded-full">
                                <svg class="w-6 h-6 text-rose-600" fill="none" stroke="currentColor"
viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M5 3v4M3 5h4M6
17v4m-2-2h4m5-12v4m-2-2h4m-2 10v4m-2-2h4M5 12H3m4 0H5m14 0h-2m-2 0h2m-5 0h-2m2
0h2"></path></svg>
                            </div>
                        </div>
                    </div>

                    <div class="grid grid-cols-1 lg:grid-cols-3 gap-6">
                        <div class="lg:col-span-2 bg-white p-6 rounded-lg shadow-md">
                            <h3 class="text-xl font-semibold mb-4 text-slate-700">Recent
Announcements</h3>
                            <div id="dashboard-announcements" class="space-y-4"></div>
                        </div>
                        <div class="bg-white p-6 rounded-lg shadow-md">
                            <h3 class="text-xl font-semibold mb-4 text-slate-700">Today's
Schedule</h3>
                            <div id="dashboard-schedule" class="space-y-3"></div>
                        </div>
                    </div>
                </div>

                <!-- Announcements Page -->
                <div id="announcements-page" class="page hidden">
                    <div class="mb-6 flex flex-col md:flex-row md:items-center md:justify-between">
                        <h2 class="text-3xl font-bold text-slate-800 mb-4
md:mb-0">Announcements</h2>
                        <div class="relative">
                            <input type="text" id="announcement-search" placeholder="Search
announcements..." class="w-full md:w-64 pl-10 pr-4 py-2 border rounded-lg focus:outline-none
focus:ring-2 focus:ring-teal-500">
```

```html
                    <svg class="w-5 h-5 text-slate-400 absolute top-1/2 left-3 transform
-translate-y-1/2" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M21 21l-6-6m2-5a7 7 0 11-14 0 7 7 0 0114 0z"></path></svg>
                </div>
            </div>
             <div id="announcements-container" class="space-y-6"></div>
        </div>

        <!-- Events Page -->
        <div id="events-page" class="page hidden">
            <div class="mb-6 flex flex-col md:flex-row md:items-center md:justify-between">
                <h2 class="text-3xl font-bold text-slate-800 mb-4 md:mb-0">Upcoming
Events</h2>
                <div class="relative">
                    <input type="text" id="event-search" placeholder="Search events..."
class="w-full md:w-64 pl-10 pr-4 py-2 border rounded-lg focus:outline-none focus:ring-2
focus:ring-teal-500">
                    <svg class="w-5 h-5 text-slate-400 absolute top-1/2 left-3 transform
-translate-y-1/2" fill="none" stroke="currentColor" viewBox="0 0 24 24"
xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M21 21l-6-6m2-5a7 7 0 11-14 0 7 7 0 0114 0z"></path></svg>
                </div>
            </div>
            <div id="events-container" class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3
gap-6"></div>
        </div>

        <!-- Timetable Page -->
        <div id="timetable-page" class="page hidden">
            <h2 class="text-3xl font-bold text-slate-800 mb-6">Class Timetable</h2>
            <div class="bg-white p-6 rounded-lg shadow-md overflow-x-auto">
                <table class="w-full text-left">
                    <thead>
                        <tr class="bg-slate-100">
                            <th class="p-4 font-semibold">Time</th>
                            <th class="p-4 font-semibold">Monday</th>
                            <th class="p-4 font-semibold">Tuesday</th>
                            <th class="p-4 font-semibold">Wednesday</th>
                            <th class="p-4 font-semibold">Thursday</th>
                            <th class="p-4 font-semibold">Friday</th>
                        </tr>
                    </thead>
                    <tbody id="timetable-body"></tbody>
```

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

        <!-- Calendar Page -->
        <div id="calendar-page" class="page hidden">
          <h2 class="text-3xl font-bold text-slate-800 mb-6">Events Calendar</h2>
          <div class="bg-white p-6 rounded-lg shadow-md">
            <div class="flex justify-between items-center mb-4">
              <button id="prev-month" class="p-2 rounded-full hover:bg-slate-100">
                <svg class="w-6 h-6" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M15 19l-7-7 7-7"></path></svg>
              </button>
              <h3 id="month-year" class="text-xl font-semibold"></h3>
              <button id="next-month" class="p-2 rounded-full hover:bg-slate-100">
                <svg class="w-6 h-6" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
stroke-width="2" d="M9 5l7 7-7 7"></path></svg>
              </button>
            </div>
            <div id="calendar-grid" class="grid grid-cols-7 gap-2"></div>
          </div>
        </div>

        <!-- Results Page -->
        <div id="results-page" class="page hidden">
          <h2 class="text-3xl font-bold text-slate-800 mb-6">Exam Results</h2>
          <div class="bg-white p-6 rounded-lg shadow-md overflow-x-auto">
            <table class="w-full text-left">
              <thead>
                <tr class="bg-slate-100">
                  <th class="p-4 font-semibold">Course Code</th>
                  <th class="p-4 font-semibold">Course Title</th>
                  <th class="p-4 font-semibold">Credits</th>
                  <th class="p-4 font-semibold">Grade</th>
                  <th class="p-4 font-semibold">Semester</th>
                </tr>
              </thead>
              <tbody id="results-body"></tbody>
            </table>
          </div>
        </div>
```

```html
<!-- Archive Page -->
<div id="archive-page" class="page hidden">
    <h2 class="text-3xl font-bold text-slate-800 mb-6">Past Events Archive</h2>
    <div id="archive-container" class="space-y-4"></div>
</div>
</div>

<!-- ADMIN PAGES -->
<div id="admin-pages" class="hidden">
  <!-- Admin Dashboard -->
  <div id="admin-dashboard-page" class="page">
    <h2 class="text-3xl font-bold text-slate-800 mb-6">Admin Dashboard</h2>
     <div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4 gap-6 mb-6">
        <div class="bg-white p-6 rounded-lg shadow-md">
           <p class="text-sm text-slate-500">Total Students</p>
           <p id="admin-total-students" class="text-3xl font-bold text-slate-800">0</p>
        </div>
        <div class="bg-white p-6 rounded-lg shadow-md">
           <p class="text-sm text-slate-500">Active Announcements</p>
           <p id="admin-total-announcements" class="text-3xl font-bold
text-slate-800">0</p>
        </div>
         <div class="bg-white p-6 rounded-lg shadow-md">
           <p class="text-sm text-slate-500">Upcoming Events</p>
           <p id="admin-total-events" class="text-3xl font-bold text-slate-800">0</p>
        </div>
     </div>
  </div>

  <!-- Manage Announcements -->
  <div id="manage-announcements-page" class="page hidden">
     <div class="flex justify-between items-center mb-6">
        <h2 class="text-3xl font-bold text-slate-800">Manage Announcements</h2>
        <button id="add-announcement-btn" class="bg-teal-600 text-white px-4 py-2
rounded-lg hover:bg-teal-700 flex items-center">
           <svg class="w-5 h-5 mr-2" fill="none" stroke="currentColor" viewBox="0 0
24 24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round"
stroke-linejoin="round" stroke-width="2" d="M12 6v6m0 0v6m0-6h6m-6 0H6"></path></svg>
           Create New
        </button>
     </div>
     <div id="manage-announcements-container" class="space-y-4 bg-white p-4
rounded-lg shadow-md"></div>
  </div>
```

```html
<!-- Manage Events -->
<div id="manage-events-page" class="page hidden">
    <div class="flex justify-between items-center mb-6">
        <h2 class="text-3xl font-bold text-slate-800">Manage Events</h2>
        <button id="add-event-btn" class="bg-teal-600 text-white px-4 py-2 rounded-lg hover:bg-teal-700 flex items-center">
            <svg class="w-5 h-5 mr-2" fill="none" stroke="currentColor" viewBox="0 0 24 24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M12 6v6m0 0v6m0-6h6m-6 0H6"></path></svg>
            Create New
        </button>
    </div>
    <div id="manage-events-container" class="space-y-4 bg-white p-4 rounded-lg shadow-md"></div>
</div>

<!-- Manage Timetable -->
<div id="manage-timetable-page" class="page hidden">
    <h2 class="text-3xl font-bold text-slate-800 mb-6">Manage Timetable</h2>
    <p class="text-slate-600 mb-4">Click on any class slot to edit or remove it.</p>
    <div class="bg-white p-6 rounded-lg shadow-md overflow-x-auto">
        <table class="w-full text-left">
            <thead>
                <tr class="bg-slate-100">
                    <th class="p-4 font-semibold">Time</th>
                    <th class="p-4 font-semibold">Monday</th>
                    <th class="p-4 font-semibold">Tuesday</th>
                    <th class="p-4 font-semibold">Wednesday</th>
                    <th class="p-4 font-semibold">Thursday</th>
                    <th class="p-4 font-semibold">Friday</th>
                </tr>
            </thead>
            <tbody id="manage-timetable-body"></tbody>
        </table>
    </div>
</div>

<!-- Manage Results -->
<div id="manage-results-page" class="page hidden">
    <h2 class="text-3xl font-bold text-slate-800 mb-6">Manage Results</h2>
    <div class="bg-white p-6 rounded-lg shadow-md mb-6">
        <h3 class="text-xl font-semibold text-slate-700 mb-4">Add New Result</h3>
        <form id="add-result-form" class="grid grid-cols-1 md:grid-cols-3 gap-4">
```

```html
                        <input type="text" id="result-code" placeholder="Course Code"
class="form-input" required>
                        <input type="text" id="result-title" placeholder="Course Title"
class="form-input" required>
                        <input type="number" id="result-credits" placeholder="Credits"
class="form-input" required>
                        <input type="text" id="result-grade" placeholder="Grade" class="form-input"
required>
                        <input type="text" id="result-semester" placeholder="Semester"
class="form-input" required>
                        <button type="submit" class="bg-teal-600 text-white py-2 rounded-lg
hover:bg-teal-700 md:col-span-3">Add Result</button>
                    </form>
                </div>
                <div class="bg-white p-6 rounded-lg shadow-md overflow-x-auto">
                    <table class="w-full text-left">
                        <thead>
                            <tr class="bg-slate-100">
                                <th class="p-4 font-semibold">Course Code</th>
                                <th class="p-4 font-semibold">Title</th>
                                <th class="p-4 font-semibold">Grade</th>
                                <th class="p-4 font-semibold">Semester</th>
                                <th class="p-4 font-semibold">Actions</th>
                            </tr>
                        </thead>
                        <tbody id="manage-results-body"></tbody>
                    </table>
                </div>
            </div>
        </div>

        <!-- Shared Profile Page -->
        <div id="profile-page" class="page hidden">
            <h2 class="text-3xl font-bold text-slate-800 mb-6">User Profile</h2>
            <div class="bg-white p-8 rounded-lg shadow-md">
                <div class="flex flex-col md:flex-row items-center md:space-x-8">
                    <div class="relative">
                        <img id="profile-avatar" class="w-32 h-32 rounded-full mb-4 md:mb-0"
src="https://placehold.co/128x128/E2E8F0/4A5568?text=AV" alt="Profile picture">
                        <button class="absolute bottom-0 right-0 bg-teal-600 p-2 rounded-full
text-white hover:bg-teal-700">
                            <svg class="w-4 h-4" fill="none" stroke="currentColor" viewBox="0 0 24
24" xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
```

```html
stroke-width="2" d="M15.232 5.232l3.536 3.536m-2.036-5.036a2.5 2.5 0 113.536 3.536L6.5
21.036H3v-3.5L16.732 3.732z"></path></svg>
                    </button>
                </div>
                <div class="flex-grow w-full">
                    <div class="grid grid-cols-1 md:grid-cols-2 gap-6">
                        <div>
                            <label class="text-sm font-medium text-slate-500">Full Name</label>
                            <input type="text" id="profile-name" class="profile-input" disabled>
                        </div>
                        <div>
                            <label class="text-sm font-medium text-slate-500">ID</label>
                            <input type="text" id="profile-id" class="profile-input" disabled>
                        </div>
                        <div>
                            <label class="text-sm font-medium text-slate-500">Email
Address</label>
                            <input type="email" id="profile-email" class="profile-input" disabled>
                        </div>
                        <div class="profile-student-field">
                            <label class="text-sm font-medium text-slate-500">Phone
Number</label>
                            <input type="tel" id="profile-phone" value="+1 (555) 123-4567"
class="profile-input" disabled>
                        </div>
                        <div class="profile-student-field">
                            <label class="text-sm font-medium text-slate-500">Major</label>
                            <input type="text" id="profile-major" value="Computer Science"
class="profile-input" disabled>
                        </div>
                        <div class="profile-student-field">
                            <label class="text-sm font-medium text-slate-500">Enrollment
Year</label>
                            <input type="text" id="profile-year" value="2022" class="profile-input"
disabled>
                        </div>
                    </div>
                    <div class="mt-8 text-right">
                        <button id="edit-profile-btn" class="px-6 py-2 bg-teal-600 text-white
rounded-lg hover:bg-teal-700">Edit Profile</button>
                        <button id="save-profile-btn" class="hidden px-6 py-2 bg-emerald-600
text-white rounded-lg hover:bg-emerald-700">Save Changes</button>
                    </div>
                </div>
```

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

          </div>
        </main>
      </div>

      <!-- Generic Modal -->
      <div id="modal" class="modal-overlay fixed inset-0 bg-black bg-opacity-50 flex items-center
      justify-center p-4 hidden" style="z-index: 50;">
          <div class="modal-content bg-white w-full max-w-lg rounded-lg shadow-xl p-6 transform
          scale-95">
              <div class="flex justify-between items-center border-b pb-3 mb-4">
                  <h3 id="modal-title" class="text-xl font-semibold">Modal Title</h3>
                  <button id="modal-close-btn" class="p-1 rounded-full hover:bg-slate-200">
                      <svg class="w-6 h-6" fill="none" stroke="currentColor" viewBox="0 0 24 24"
          xmlns="http://www.w3.org/2000/svg"><path stroke-linecap="round" stroke-linejoin="round"
          stroke-width="2" d="M6 18L18 6M6 6l12 12"></path></svg>
                  </button>
              </div>
              <div id="modal-body">
                  <!-- Modal content goes here -->
              </div>
          </div>
      </div>

      <script>
          document.addEventListener('DOMContentLoaded', () => {

              // Mock Data - In a real app, this would come from a server/database
              let MOCK_DATA = {
                  announcements: [
                      { id: 1, title: "Final Exam Schedule Released", content: "The final exam schedule for
      the Fall 2025 semester has been released. Please check the student portal for your specific
      exam dates and times.", date: "2025-10-10", author: "Registrar's Office" },
                      { id: 2, title: "Library Hours Extended", content: "To accommodate students studying
      for finals, the main library will have extended hours, staying open until 2 AM from October 20th
      to November 5th.", date: "2025-10-08", author: "University Library" },
                      { id: 3, title: "Career Fair Next Week", content: "Don't miss the annual career fair on
      October 22nd in the Grand Hall. Over 50 top companies will be attending. Dress professionally
      and bring your resume!", date: "2025-10-14", author: "Career Services" },
```

            { id: 4, title: "System Maintenance Downtime", content: "The student portal will be temporarily unavailable for scheduled maintenance this Saturday from 1 AM to 4 AM.", date: "2025-10-12", author: "IT Department" },
        ],
        events: [
            { id: 1, title: "Guest Lecture: AI in Modern Science", date: "2025-10-20", time: "3:00 PM", location: "Science Hall, Room 101", description: "Dr. Evelyn Reed will discuss the transformative impact of AI on scientific research.", image: "https://placehold.co/600x400/0d9488/FFFFFF?text=AI+Lecture" },
            { id: 2, title: "Annual University Music Fest", date: "2025-10-25", time: "6:00 PM - 10:00 PM", location: "University Lawn", description: "Join us for a night of live music from student bands, food trucks, and fun activities.", image: "https://placehold.co/600x400/06b6d4/FFFFFF?text=Music+Fest" },
            { id: 3, title: "Coding Hackathon 'CodeWave'", date: "2025-11-01", time: "9:00 AM (24 hours)", location: "Engineering Building", description: "Compete with fellow students in a 24-hour coding challenge. Prizes for top teams!", image: "https://placehold.co/600x400/f59e0b/FFFFFF?text=Hackathon" },
        ],
        archivedEvents: [
            { id: 4, title: "Welcome Week Kick-off", date: "2025-09-01", location: "Main Quad", description: "Started the semester with fun games, free food, and department introductions." },
            { id: 5, title: "Study Abroad Information Session", date: "2025-09-15", location: "Global Studies Center", description: "A session covering all available study abroad programs for the next academic year." }
        ],
        timetable: [
            { time: "09:00 - 10:30", monday: { course: "CS101", room: "A-101" }, tuesday: {}, wednesday: { course: "CS101", room: "A-101" }, thursday: {}, friday: { course: "MA203", room: "B-205" } },
            { time: "11:00 - 12:30", monday: {}, tuesday: { course: "PHY105", room: "C-Lab 2" }, wednesday: {}, thursday: { course: "PHY105", room: "C-Lab 2" }, friday: {} },
            { time: "01:00 - 02:30", monday: { course: "ENG101", room: "D-301" }, tuesday: {}, wednesday: { course: "ENG101", room: "D-301" }, thursday: {}, friday: {} },
            { time: "03:00 - 04:30", monday: {}, tuesday: { course: "CS301", room: "E-110" }, wednesday: {}, thursday: { course: "CS301", room: "E-110" }, friday: {} },
        ],
        results: [
            { id: 1, code: "CS101", title: "Intro to Computer Science", credits: 3, grade: "A", semester: "Fall 2024" },
            { id: 2, code: "MA101", title: "Calculus I", credits: 4, grade: "A-", semester: "Fall 2024" },
            { id: 3, code: "PHY101", title: "General Physics I", credits: 4, grade: "B+", semester: "Fall 2024" },

```javascript
            { id: 4, code: "ENG102", title: "Academic Writing", credits: 3, grade: "A", semester:
"Spring 2025" },
            { id: 5, code: "CS201", title: "Data Structures", credits: 3, grade: "B+", semester:
"Spring 2025" },
        ],
        dashboardSchedule: [
            { time: "09:00 AM", course: "CS101: Intro to CS", location: "Room A-101" },
            { time: "01:00 PM", course: "ENG101: Academic Writing", location: "Room D-301" },
        ]
    };

    // Extend DayJS plugins
    dayjs.extend(window.dayjs_plugin_weekday);
    dayjs.extend(window.dayjs_plugin_weekOfYear);
    dayjs.extend(window.dayjs_plugin_relativeTime);

    // --- GLOBAL STATE ---
    let users = JSON.parse(localStorage.getItem('portalUsers')) || [];
    let currentUser = null;
    let isAdmin = false;

    // --- DOM ELEMENTS ---
    const authPage = document.getElementById('auth-page');
    const appContainer = document.getElementById('app-container');

    // Auth elements
    const studentTab = document.getElementById('student-tab');
    const adminTab = document.getElementById('admin-tab');
    const studentAuthForms = document.getElementById('student-auth-forms');
    const adminAuthForm = document.getElementById('admin-auth-form');
    const authTitle = document.getElementById('auth-title');
    const loginForm = document.getElementById('login-form');
    const registerForm = document.getElementById('register-form');
    const adminLoginForm = document.getElementById('admin-login-form');
    const authSwitchLink = document.getElementById('auth-switch-link');
    const authSuccessMessage = document.getElementById('auth-success');
    const authErrorMessage = document.getElementById('auth-error');

    // Nav elements
    const navLinks = document.querySelectorAll('.nav-link');
    const studentNav = document.getElementById('student-nav');
    const adminNav = document.getElementById('admin-nav');
    const pageTitle = document.getElementById('page-title');
    const logoutBtn = document.getElementById('logout-btn');
```

```javascript
const menuBtn = document.getElementById('menu-btn');
const sidebar = document.querySelector('.sidebar');

// Page containers
const studentPagesContainer = document.getElementById('student-pages');
const adminPagesContainer = document.getElementById('admin-pages');
const pages = document.querySelectorAll('.page');

// --- AUTHENTICATION & ROLE HANDLING ---
const showAuthMessage = (message, isError = false) => {
    authErrorMessage.textContent = '';
    authSuccessMessage.textContent = '';
    if (isError) {
        authErrorMessage.textContent = message;
    } else {
        authSuccessMessage.textContent = message;
    }
};

const switchAuthTabs = (showAdmin) => {
    if(showAdmin) {
        adminTab.classList.add('border-teal-600', 'text-teal-600');
        adminTab.classList.remove('text-slate-500');
        studentTab.classList.remove('border-teal-600', 'text-teal-600');
        studentTab.classList.add('text-slate-500');
        studentAuthForms.classList.add('hidden');
        adminAuthForm.classList.remove('hidden');
        authTitle.textContent = "Admin Login";
    } else {
        studentTab.classList.add('border-teal-600', 'text-teal-600');
        studentTab.classList.remove('text-slate-500');
        adminTab.classList.remove('border-teal-600', 'text-teal-600');
        adminTab.classList.add('text-slate-500');
        studentAuthForms.classList.remove('hidden');
        adminAuthForm.classList.add('hidden');
        authTitle.textContent = "Student Login";
    }
    showAuthMessage('');
};

studentTab.addEventListener('click', () => switchAuthTabs(false));
adminTab.addEventListener('click', () => switchAuthTabs(true));

authSwitchLink.addEventListener('click', (e) => {
```

```
            e.preventDefault();
            showAuthMessage('');
            const isLoginFormVisible = !loginForm.classList.contains('hidden');
            loginForm.classList.toggle('hidden', !isLoginFormVisible);
            registerForm.classList.toggle('hidden', isLoginFormVisible);
            document.getElementById('auth-switch-text').textContent = isLoginFormVisible ?
"Already have an account?" : "Don't have an account?";
            authSwitchLink.textContent = isLoginFormVisible ? "Login" : "Register";
            authTitle.textContent = isLoginFormVisible ? "Create Student Account" : "Student
Login";
        });

        registerForm.addEventListener('submit', (e) => {
            e.preventDefault();
            const name = document.getElementById('reg-name').value;
            const email = document.getElementById('reg-email').value;
            const password = document.getElementById('reg-password').value;

            if (users.find(u => u.email === email)) {
                showAuthMessage('A user with this email already exists.', true);
                return;
            }

            const studentId = Math.floor(10000 + Math.random() * 90000).toString();
            users.push({ name, email, password, studentId });
            localStorage.setItem('portalUsers', JSON.stringify(users));

            registerForm.reset();
            showAuthMessage('Registration successful! Please log in.');
            authSwitchLink.click();
        });

        loginForm.addEventListener('submit', (e) => {
            e.preventDefault();
            const email = document.getElementById('email').value;
            const password = document.getElementById('password').value;
            const user = users.find(u => u.email === email && u.password === password);

            if (user) {
                currentUser = user;
                isAdmin = false;
                initializeAppUI();
                navigateTo('dashboard');
            } else {
```

```javascript
            showAuthMessage('Invalid email or password.', true);
          }
        });

        adminLoginForm.addEventListener('submit', (e) => {
          e.preventDefault();
           const email = document.getElementById('admin-email').value;
          const password = document.getElementById('admin-password').value;
          if (email === 'admin@university.edu' && password === 'admin123') {
            currentUser = { name: "Admin User", email: "admin@university.edu", studentId:
"ADMIN" };
            isAdmin = true;
            initializeAppUI();
            navigateTo('admin-dashboard');
          } else {
            showAuthMessage('Invalid admin credentials.', true);
          }
        });

        logoutBtn.addEventListener('click', (e) => {
          e.preventDefault();
          currentUser = null;
          isAdmin = false;
          appContainer.classList.add('hidden');
          authPage.classList.remove('hidden');
          loginForm.reset();
          adminLoginForm.reset();
          showAuthMessage('');
        });

         const initializeAppUI = () => {
          updateUserInfo();
          authPage.classList.add('hidden');
          appContainer.classList.remove('hidden');

          if (isAdmin) {
            studentNav.classList.add('hidden');
            adminNav.classList.remove('hidden');
            studentPagesContainer.classList.add('hidden');
            adminPagesContainer.classList.remove('hidden');
            document.querySelectorAll('.profile-student-field').forEach(el =>
el.classList.add('hidden'));
          } else {
            studentNav.classList.remove('hidden');
```

```
            adminNav.classList.add('hidden');
            studentPagesContainer.classList.remove('hidden');
            adminPagesContainer.classList.add('hidden');
            document.querySelectorAll('.profile-student-field').forEach(el =>
el.classList.remove('hidden'));
        }
    };

    const updateUserInfo = () => {
        if (!currentUser) return;
        const initials = currentUser.name.split(' ').map(n => n[0]).join('').toUpperCase();
        const avatarUrl = `https://placehold.co/128x128/${isAdmin ? 'f43f5e' :
'0d9488'}/FFFFFF?text=${initials}`;

        document.getElementById('header-user-name').textContent = currentUser.name;
        document.getElementById('header-user-id').textContent = `ID:
${currentUser.studentId}`;
        document.getElementById('header-avatar').src = avatarUrl.replace('128x128',
'40x40');
        document.getElementById('profile-name').value = currentUser.name;
        document.getElementById('profile-id').value = currentUser.studentId;
        document.getElementById('profile-email').value = currentUser.email;
        document.getElementById('profile-avatar').src = avatarUrl;
    };

    // --- NAVIGATION ---
    const navigateTo = (pageId) => {
        pages.forEach(p => p.classList.add('hidden'));
        document.getElementById(`${pageId}-page`).classList.remove('hidden');

        const activeLinks = isAdmin ? '.nav-link.admin' : '.nav-link.student';
        document.querySelectorAll(activeLinks).forEach(link => {
            link.classList.remove('bg-slate-200', 'text-slate-700');
            link.classList.add('text-slate-600', 'hover:bg-slate-100');
            if (link.getAttribute('href') === `#${pageId}`) {
                link.classList.add('bg-slate-200', 'text-slate-700');
                link.classList.remove('text-slate-600', 'hover:bg-slate-100');
            }
        });

        let title = pageId.charAt(0).toUpperCase() + pageId.slice(1);
        title = title.replace('Manage-', 'Manage ').replace('Admin-', 'Admin ');
        pageTitle.textContent = title;
        if (sidebar.classList.contains('open')) sidebar.classList.remove('open');
```

```javascript
        };

        navLinks.forEach(link => {
            link.addEventListener('click', (e) => {
                if (e.currentTarget.id === 'logout-btn') return;
                e.preventDefault();
                const pageId = e.currentTarget.getAttribute('href').substring(1);
                navigateTo(pageId);
            });
        });

        menuBtn.addEventListener('click', () => sidebar.classList.toggle('open'));

        // --- DYNAMIC CONTENT RENDERING (STUDENT) ---
        const announcementsContainer =
document.getElementById('announcements-container');
        const renderAnnouncements = (filter = '') => {
            const filtered = MOCK_DATA.announcements.filter(a =>
                a.title.toLowerCase().includes(filter.toLowerCase()) ||
                a.content.toLowerCase().includes(filter.toLowerCase())
            );
            announcementsContainer.innerHTML = filtered.length === 0
                ? `<p class="text-slate-500">No announcements found.</p>`
                : filtered.map(ann => `
                    <div class="bg-white p-6 rounded-lg shadow-md transition-transform transform
hover:scale-105">
                        <div class="flex justify-between items-start">
                            <div>
                                <h3 class="text-xl font-bold text-slate-800">${ann.title}</h3>
                                <p class="text-sm text-slate-500">By ${ann.author} on ${ann.date}</p>
                            </div>
                            <span class="text-xs font-semibold bg-teal-50 text-teal-800 px-2 py-1
rounded-full">${dayjs(ann.date).fromNow()}</span>
                        </div>
                        <p class="mt-4 text-slate-600">${ann.content}</p>
                    </div>
                `).join('');
        };
        document.getElementById('announcement-search').addEventListener('input', (e) =>
renderAnnouncements(e.target.value));

        const eventsContainer = document.getElementById('events-container');
        const renderEvents = (filter = '') => {
            const filtered = MOCK_DATA.events.filter(e =>
```

```
                e.title.toLowerCase().includes(filter.toLowerCase()) ||
                e.description.toLowerCase().includes(filter.toLowerCase())
            );
        eventsContainer.innerHTML = filtered.length === 0
            ? `<p class="text-slate-500">No events found.</p>`
            : filtered.map(event => `
                <div class="bg-white rounded-lg shadow-md overflow-hidden transition-shadow
duration-300 hover:shadow-xl">
                    <img src="${event.image}" alt="${event.title}" class="w-full h-48 object-cover">
                    <div class="p-6">
                        <h3 class="text-xl font-semibold text-slate-800 mb-2">${event.title}</h3>
                        <p class="text-slate-600 text-sm mb-4">${event.description}</p>
                        <div class="flex items-center text-slate-500 text-sm">
                            <svg class="w-4 h-4 mr-2" fill="none" stroke="currentColor" viewBox="0 0
24 24"><path stroke-linecap="round" stroke-linejoin="round" d="M8 7V3m8 4V3m-9 8h10M5
21h14a2 2 0 0 0 2-2V7a2 2 0 0 0-2-2H5a2 2 0 0 0-2 2v12a2 2 0 0 0 2 2Z"/></svg>
                            <span>${event.date} at ${event.time}</span>
                        </div>
                        <div class="flex items-center text-slate-500 text-sm mt-2">
                            <svg class="w-4 h-4 mr-2" fill="none" stroke="currentColor" viewBox="0 0
24 24"><path stroke-linecap="round" stroke-linejoin="round" d="M17.657 16.657 13.414
20.9a1.998 1.998 0 0 1-2.827 0l-4.244-4.243a8 8 0 1 1 11.314 0Z"/><path
stroke-linecap="round" stroke-linejoin="round" d="M15 11a3 3 0 1 1-6 0 3 3 0 0 1 6 0Z"/></svg>
                            <span>${event.location}</span>
                        </div>
                    </div>
                </div>
            `).join('');
    };
    document.getElementById('event-search').addEventListener('input', (e) =>
renderEvents(e.target.value));

    const timetableBody = document.getElementById('timetable-body');
    const renderTimetable = () => {
        timetableBody.innerHTML = MOCK_DATA.timetable.map(row => `
            <tr class="border-b border-slate-200">
                <td class="p-4 font-medium text-slate-600">${row.time}</td>
                <td class="p-4">${row.monday.course ? `<div class="bg-teal-50 text-teal-800 p-2
rounded-lg text-center"><p class="font-semibold">${row.monday.course}</p><p
class="text-sm">${row.monday.room}</p></div>` : ''}</td>
                <td class="p-4">${row.tuesday.course ? `<div class="bg-cyan-50 text-cyan-800
p-2 rounded-lg text-center"><p class="font-semibold">${row.tuesday.course}</p><p
class="text-sm">${row.tuesday.room}</p></div>` : ''}</td>
```

```
            <td class="p-4">${row.wednesday.course ? `<div class="bg-teal-50 text-teal-800
p-2 rounded-lg text-center"><p class="font-semibold">${row.wednesday.course}</p><p
class="text-sm">${row.wednesday.room}</p></div>` : ''}</td>
            <td class="p-4">${row.thursday.course ? `<div class="bg-cyan-50 text-cyan-800
p-2 rounded-lg text-center"><p class="font-semibold">${row.thursday.course}</p><p
class="text-sm">${row.thursday.room}</p></div>` : ''}</td>
            <td class="p-4">${row.friday.course ? `<div class="bg-amber-50 text-amber-800
p-2 rounded-lg text-center"><p class="font-semibold">${row.friday.course}</p><p
class="text-sm">${row.friday.room}</p></div>` : ''}</td>
          </tr>
        `).join('');
      };

      const resultsBody = document.getElementById('results-body');
      const renderResults = () => {
        resultsBody.innerHTML = MOCK_DATA.results.map(res => `
          <tr class="border-b border-slate-200 hover:bg-slate-50">
            <td class="p-4 font-medium text-slate-700">${res.code}</td>
            <td class="p-4 text-slate-600">${res.title}</td>
            <td class="p-4 text-slate-600">${res.credits}</td>
            <td class="p-4 font-semibold ${res.grade.startsWith('A') ? 'text-emerald-600' :
'text-amber-600'}">${res.grade}</td>
            <td class="p-4 text-slate-600">${res.semester}</td>
          </tr>
        `).join('');
      };

       const archiveContainer = document.getElementById('archive-container');
      const renderArchive = () => {
        archiveContainer.innerHTML = MOCK_DATA.archivedEvents.map(event => `
          <div class="bg-white p-4 rounded-lg shadow-sm border-l-4 border-slate-400">
            <h3 class="font-semibold text-slate-800">${event.title}</h3>
            <p class="text-sm text-slate-500">${event.date} - ${event.location}</p>
            <p class="text-sm text-slate-600 mt-2">${event.description}</p>
          </div>
        `).join('');
      };

      const renderDashboard = () => {
        const dashboardAnnouncements =
document.getElementById('dashboard-announcements');
        dashboardAnnouncements.innerHTML = MOCK_DATA.announcements.slice(0,
3).map(ann => `
            <div class="border-b border-slate-200 pb-3 last:border-b-0">
```

```
            <p class="font-semibold text-slate-700">${ann.title}</p>
            <p class="text-sm text-slate-500">${ann.date}</p>
          </div>
        `).join('');

      const dashboardSchedule = document.getElementById('dashboard-schedule');
      dashboardSchedule.innerHTML = MOCK_DATA.dashboardSchedule.map(item => `
        <div class="flex items-center">
          <div class="w-16 text-right mr-4">
            <span class="text-sm font-semibold text-teal-600">${item.time}</span>
          </div>
          <div class="flex-1 border-l-2 border-teal-200 pl-4">
            <p class="font-medium text-slate-800">${item.course}</p>
            <p class="text-sm text-slate-500">${item.location}</p>
          </div>
        </div>
        `).join('');
    };

    let currentDate = dayjs();
    const calendarGrid = document.getElementById('calendar-grid');
    const monthYearEl = document.getElementById('month-year');

    const renderCalendar = () => {
      const calendarEvents = MOCK_DATA.events.map(e => ({...e, day:
dayjs(e.date).date()}));
      monthYearEl.textContent = currentDate.format("MMMM YYYY");
      calendarGrid.innerHTML = '';

      const daysInMonth = currentDate.daysInMonth();
      const firstDayOfMonth = currentDate.startOf('month').day();

      const daysOfWeek = ['Sun', 'Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat'];
      daysOfWeek.forEach(day => calendarGrid.innerHTML += `<div class="font-semibold
text-center text-slate-600 p-2">${day}</div>`);

      for (let i = 0; i < firstDayOfMonth; i++) calendarGrid.innerHTML += `<div></div>`;

      for (let i = 1; i <= daysInMonth; i++) {
        let isToday = (currentDate.date() === i && dayjs().isSame(currentDate, 'month')) ?
'bg-teal-600 text-white' : 'hover:bg-slate-100';
        let dayEvents = calendarEvents.filter(e =>
dayjs(e.date).isSame(currentDate.date(i), 'day'));
```

```
        let eventDots = dayEvents.length > 0 ? `<div class="flex justify-center
mt-1">${dayEvents.map(() => `<span class="h-2 w-2 bg-cyan-500 rounded-full
mx-0.5"></span>`).join('')}</div>` : '';

            calendarGrid.innerHTML += `<div class="text-center p-2 rounded-full cursor-pointer
${isToday}">${i}${eventDots}</div>`;
        }
    };

    document.getElementById('prev-month').addEventListener('click', () => { currentDate =
currentDate.subtract(1, 'month'); renderCalendar(); });
    document.getElementById('next-month').addEventListener('click', () => { currentDate =
currentDate.add(1, 'month'); renderCalendar(); });

    // --- DYNAMIC CONTENT RENDERING (ADMIN) ---
    const renderAdminDashboard = () => {
        document.getElementById('admin-total-students').textContent = users.length;
        document.getElementById('admin-total-announcements').textContent =
MOCK_DATA.announcements.length;
        document.getElementById('admin-total-events').textContent =
MOCK_DATA.events.length;
    };

    const manageAnnouncementsContainer =
document.getElementById('manage-announcements-container');
    const renderManageAnnouncements = () => {
        manageAnnouncementsContainer.innerHTML =
MOCK_DATA.announcements.map(ann => `
            <div class="flex justify-between items-center p-3 border-b border-slate-200">
              <div>
                <p class="font-semibold text-slate-800">${ann.title}</p>
                <p class="text-sm text-slate-500">${ann.author} - ${ann.date}</p>
              </div>
              <button class="delete-announcement-btn text-rose-500 hover:text-rose-700"
data-id="${ann.id}">
                  <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24
24"><path stroke-linecap="round" stroke-linejoin="round" d="M19 7l-.867 12.142A2 2 0 0 1
16.138 21H7.862a2 2 0 0 1-1.995-1.858L5 7m5 4v6m4-6v6m1-10V4a1 1 0 0 0-1-1h-4a1 1 0 0
0-1 1v3M4 7h16"/></svg>
              </button>
            </div>
          `).join('');
        document.querySelectorAll('.delete-announcement-btn').forEach(btn =>
btn.addEventListener('click', (e) => {
```

```javascript
                    const id = parseInt(e.currentTarget.dataset.id);
                    MOCK_DATA.announcements = MOCK_DATA.announcements.filter(a => a.id !==
id);
                    renderAll();
                }));
            };

        const manageEventsContainer = document.getElementById('manage-events-container');
        const renderManageEvents = () => {
            manageEventsContainer.innerHTML = MOCK_DATA.events.map(event => `
                <div class="flex justify-between items-center p-3 border-b border-slate-200">
                    <div>
                        <p class="font-semibold text-slate-800">${event.title}</p>
                        <p class="text-sm text-slate-500">${event.date} - ${event.location}</p>
                    </div>
                    <button class="delete-event-btn text-rose-500 hover:text-rose-700"
data-id="${event.id}">
                        <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24
24"><path stroke-linecap="round" stroke-linejoin="round" d="M19 7l-.867 12.142A2 2 0 0 1
16.138 21H7.862a2 2 0 0 1-1.995-1.858L5 7m5 4v6m4-6v6m1-10V4a1 1 0 0 0-1-1h-4a1 1 0 0
0-1 1v3M4 7h16"/></svg>
                    </button>
                </div>
            `).join('');
            document.querySelectorAll('.delete-event-btn').forEach(btn =>
btn.addEventListener('click', (e) => {
                const id = parseInt(e.currentTarget.dataset.id);
                MOCK_DATA.events = MOCK_DATA.events.filter(ev => ev.id !== id);
                renderAll();
            }));
        };

        const manageTimetableBody = document.getElementById('manage-timetable-body');
        const renderManageTimetable = () => {
            manageTimetableBody.innerHTML = MOCK_DATA.timetable.map((row, rowIndex) =>
`
                <tr class="border-b border-slate-200">
                    <td class="p-4 font-medium text-slate-600">${row.time}</td>
                    ${['monday', 'tuesday', 'wednesday', 'thursday', 'friday'].map(day => `
                        <td class="p-2">
                            <div class="timetable-cell p-2 rounded-lg text-center hover:bg-slate-100"
data-row="${rowIndex}" data-day="${day}">
                                ${row[day].course
```

```
                        ? `<p class="font-semibold">${row[day].course}</p><p
class="text-sm">${row[day].room}</p>`
                            : '<span class="text-slate-400">Empty</span>'}
                    </div>
                </td>`).join('')
            }
        </tr>
    `).join('');
    document.querySelectorAll('.timetable-cell').forEach(cell =>
cell.addEventListener('click', (e) => {
        const rowIndex = e.currentTarget.dataset.row;
        const day = e.currentTarget.dataset.day;
        openTimetableModal(rowIndex, day);
    }));
};


const manageResultsBody = document.getElementById('manage-results-body');
const renderManageResults = () => {
    manageResultsBody.innerHTML = MOCK_DATA.results.map(res => `
        <tr class="border-b border-slate-200">
            <td class="p-4">${res.code}</td>
            <td class="p-4">${res.title}</td>
            <td class="p-4">${res.grade}</td>
            <td class="p-4">${res.semester}</td>
            <td class="p-4">
                <button class="delete-result-btn text-rose-500 hover:text-rose-700"
data-id="${res.id}">
                    <svg class="w-5 h-5" fill="none" stroke="currentColor" viewBox="0 0 24
24"><path stroke-linecap="round" stroke-linejoin="round" d="M19 7l-.867 12.142A2 2 0 0 1
16.138 21H7.862a2 2 0 0 1-1.995-1.858L5 7m5 4v6m4-6v6m1-10V4a1 1 0 0 0-1-1h-4a1 1 0 0
0-1 1v3M4 7h16"/></svg>
                </button>
            </td>
        </tr>
    `).join('');
    document.querySelectorAll('.delete-result-btn').forEach(btn =>
btn.addEventListener('click', (e) => {
        const id = parseInt(e.currentTarget.dataset.id);
        MOCK_DATA.results = MOCK_DATA.results.filter(r => r.id !== id);
        renderAll();
    }));
};

document.getElementById('add-result-form').addEventListener('submit', (e) => {
```

```javascript
      e.preventDefault();
      const newResult = {
        id: Date.now(),
        code: document.getElementById('result-code').value,
        title: document.getElementById('result-title').value,
        credits: parseInt(document.getElementById('result-credits').value),
        grade: document.getElementById('result-grade').value,
        semester: document.getElementById('result-semester').value
      };
      MOCK_DATA.results.push(newResult);
      renderAll();
      e.target.reset();
});


// --- MODAL HANDLING ---
const modal = document.getElementById('modal');
const modalTitle = document.getElementById('modal-title');
const modalBody = document.getElementById('modal-body');

const openModal = (title, formHTML) => {
   modalTitle.textContent = title;
   modalBody.innerHTML = formHTML;
   modal.classList.remove('hidden');
   setTimeout(() => {
      modal.querySelector('.modal-content').classList.replace('scale-95', 'scale-100');
      modal.classList.replace('opacity-0', 'opacity-100');
   }, 10);
};

const closeModal = () => {
   modal.querySelector('.modal-content').classList.replace('scale-100', 'scale-95');
   modal.classList.replace('opacity-100', 'opacity-0');
   setTimeout(() => modal.classList.add('hidden'), 300);
};

modal.addEventListener('click', (e) => { if(e.target === modal) closeModal(); });
document.getElementById('modal-close-btn').addEventListener('click', closeModal);

// Announcement Modal
document.getElementById('add-announcement-btn').addEventListener('click', () => {
   openModal('Create Announcement', `
      <form id="announcement-form">
```

```
                <div class="mb-4"><input type="text" placeholder="Title" id="ann-title"
class="w-full form-input" required></div>
                <div class="mb-4"><textarea placeholder="Content" id="ann-content"
class="w-full form-input" rows="4" required></textarea></div>
                <button type="submit" class="w-full bg-teal-600 text-white py-2 rounded-lg
hover:bg-teal-700">Submit</button>
            </form>
        `);
        document.getElementById('announcement-form').addEventListener('submit', (e) => {
            e.preventDefault();
            const newAnnouncement = {
                id: Date.now(),
                title: document.getElementById('ann-title').value,
                content: document.getElementById('ann-content').value,
                date: dayjs().format('YYYY-MM-DD'),
                author: currentUser.name
            };
            MOCK_DATA.announcements.unshift(newAnnouncement);
            closeModal();
            renderAll();
        });
    });

     // Event Modal
    document.getElementById('add-event-btn').addEventListener('click', () => {
        openModal('Create Event', `
            <form id="event-form" class="space-y-4">
                <input type="text" placeholder="Title" id="event-title" class="form-input"
required>
                <div class="grid grid-cols-2 gap-4">
                    <input type="date" id="event-date" class="form-input" required>
                    <input type="text" placeholder="Time (e.g., 3:00 PM)" id="event-time"
class="form-input" required>
                </div>
                <input type="text" placeholder="Location" id="event-location" class="form-input"
required>
                <input type="text" placeholder="Image URL" id="event-image"
class="form-input">
                <textarea placeholder="Description" id="event-desc" class="form-input" rows="3"
required></textarea>
                <button type="submit" class="w-full bg-teal-600 text-white py-2 rounded-lg
hover:bg-teal-700">Submit</button>
            </form>
        `);
```

```javascript
        document.getElementById('event-form').addEventListener('submit', (e) => {
          e.preventDefault();
          const newEvent = {
            id: Date.now(),
            title: document.getElementById('event-title').value,
            date: document.getElementById('event-date').value,
            time: document.getElementById('event-time').value,
            location: document.getElementById('event-location').value,
            image: document.getElementById('event-image').value ||
'https://placehold.co/600x400/06b6d4/FFFFFF?text=Event',
            description: document.getElementById('event-desc').value,
          };
          MOCK_DATA.events.unshift(newEvent);
          closeModal();
          renderAll();
        });
      });

      // Timetable Modal
      const openTimetableModal = (rowIndex, day) => {
        const entry = MOCK_DATA.timetable[rowIndex][day];
        openModal(`Edit Slot: ${day.charAt(0).toUpperCase() + day.slice(1)} at
${MOCK_DATA.timetable[rowIndex].time}`, `
          <form id="timetable-form" class="space-y-4">
            <input type="text" placeholder="Course Code (e.g. CS101)" id="tt-course"
value="${entry.course || "}" class="form-input">
            <input type="text" placeholder="Room Number (e.g. A-101)" id="tt-room"
value="${entry.room || "}" class="form-input">
            <div class="flex justify-end space-x-3">
              <button type="button" id="tt-remove" class="bg-rose-600 text-white px-4 py-2
rounded-lg hover:bg-rose-700">Remove</button>
              <button type="submit" class="bg-teal-600 text-white px-4 py-2 rounded-lg
hover:bg-teal-700">Save</button>
            </div>
          </form>
        `);

        document.getElementById('timetable-form').addEventListener('submit', e => {
          e.preventDefault();
          MOCK_DATA.timetable[rowIndex][day] = {
            course: document.getElementById('tt-course').value,
            room: document.getElementById('tt-room').value,
          };
          closeModal();
```

```javascript
        renderAll();
    });

    document.getElementById('tt-remove').addEventListener('click', () => {
        MOCK_DATA.timetable[rowIndex][day] = {};
        closeModal();
        renderAll();
    });
};

// --- PROFILE PAGE ---
const editProfileBtn = document.getElementById('edit-profile-btn');
const saveProfileBtn = document.getElementById('save-profile-btn');
const profileInputs = document.querySelectorAll('#profile-page .profile-input');

editProfileBtn.addEventListener('click', () => {
    profileInputs.forEach(input => {
        if(input.id !== 'profile-id' && input.id !== 'profile-email') input.disabled = false;
    });
    editProfileBtn.classList.add('hidden');
    saveProfileBtn.classList.remove('hidden');
});

saveProfileBtn.addEventListener('click', () => {
    profileInputs.forEach(input => input.disabled = true);
    editProfileBtn.classList.remove('hidden');
    saveProfileBtn.classList.add('hidden');
    // In a real app, save data here
});

 const renderAll = () => {
    // Student view
    renderAnnouncements();
    renderEvents();
    renderTimetable();
    renderResults();
    renderArchive();
    renderDashboard();
    renderCalendar();
    // Admin view
    renderAdminDashboard();
    renderManageAnnouncements();
    renderManageEvents();
    renderManageTimetable();
```

```
            renderManageResults();
        };

        // --- INITIAL LOAD ---
        renderAll();

        // Add global class for form inputs for easier styling
        document.querySelectorAll('input, textarea').forEach(el => {
            if(!el.classList.contains('profile-input')) {
                el.classList.add('bg-slate-100', 'border', 'border-slate-300', 'rounded-lg',
'focus:outline-none', 'focus:ring-2', 'focus:ring-teal-500', 'p-2', 'w-full');
            }
        });

    });
    </script>

</body>
</html>
```