

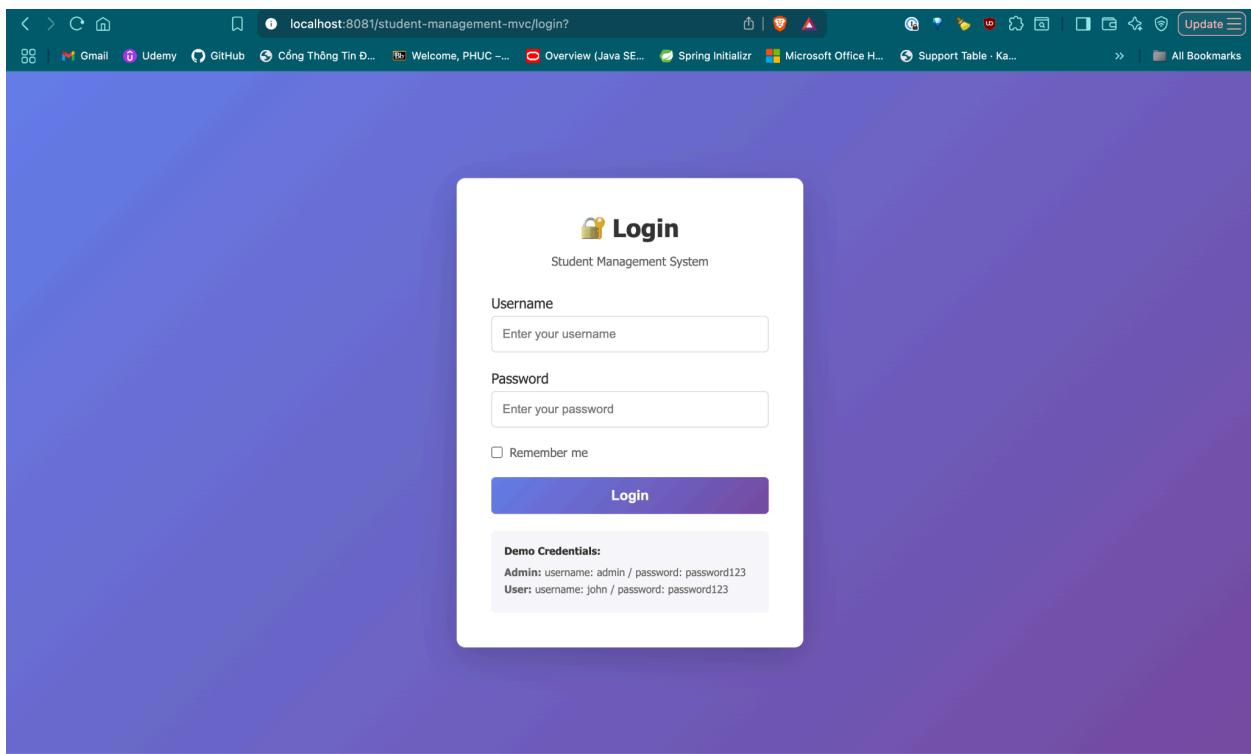
## Lab 6

### Github site & link

<https://github.com/alexis0704/web-dev-practice-lab/tree/main/student-management-mvc>

### Testing the sample code

#### 1. Access: `http://localhost:8080/YourApp/` → Redirected to login (AuthFilter)



## 2. Login with: admin / password123 → Creates session → Redirected to dashboard

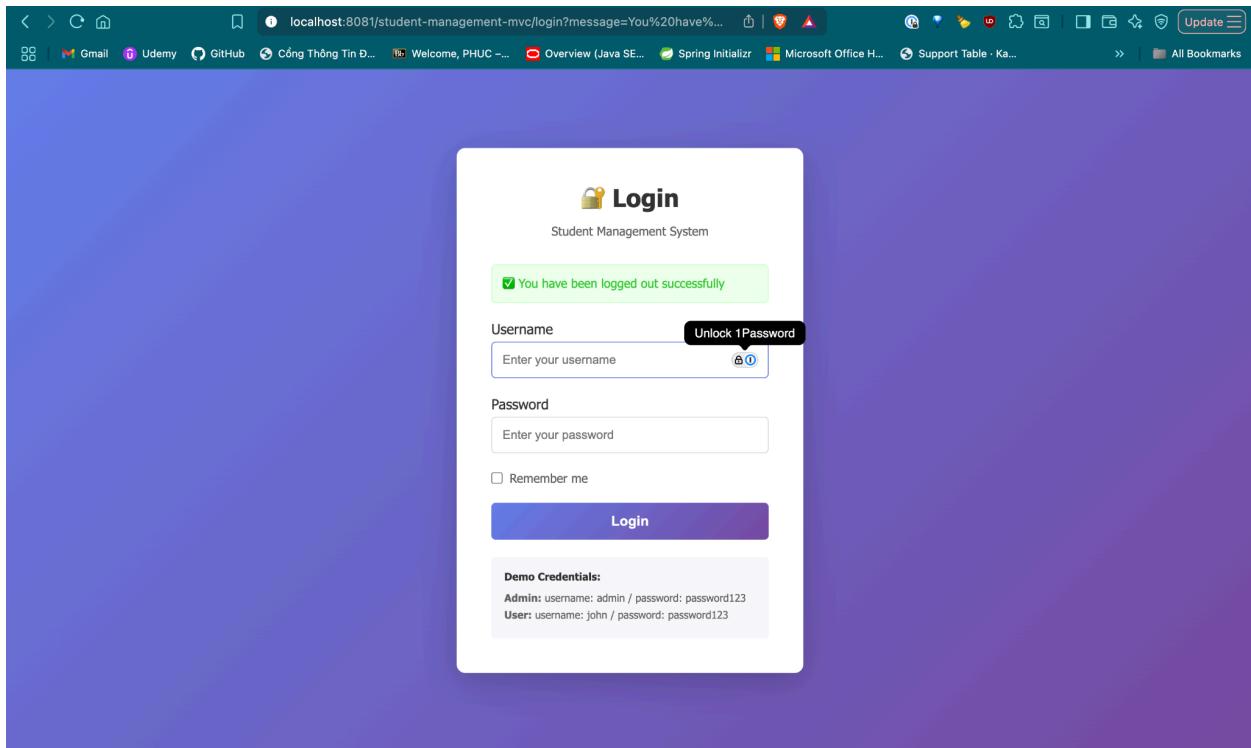
The screenshot shows a web browser window with the URL `localhost:8081/student-management-mvc/dashboard`. The title bar says "Student Management System". On the right, it shows "Admin User" and "Logout". The main content area has a heading "Welcome back, Admin User!". Below it, a message says "Here's what's happening with your students today." A stats card shows "15 Total Students". Under "Quick Actions", there are three buttons: "View All Students" (blue), "+ Add New Student" (green), and "Search Students" (orange).

## 3. Click "View All Students" → Shows student list → Edit/Delete buttons visible (admin)

The screenshot shows a web browser window with the URL `localhost:8081/student-management-mvc/student?action=list`. The title bar says "Student Management System". On the right, it shows "Admin User" and "Logout". The main content area has a heading "Student List". It includes a search bar, a filter for "Major" (set to "All Majors"), and a button to "+ Add New Student". Below is a table of student records:

ID	STUDENT CODE	FULL NAME	EMAIL	MAJOR	ACTIONS
18	<b>AB123</b>	asakdjfhaskdf	student@example.com	Computer Science	<button>Edit</button> <button>Delete</button>
17	<b>SV017</b>	Le Van N	n.le@example.com	Software Engineering	<button>Edit</button> <button>Delete</button>
16	<b>SV016</b>	Tran Thi M	m.tran@example.com	Information Technology	<button>Edit</button> <button>Delete</button>
15	<b>SV015</b>	Nguyen Van L	l.nguyen@example.com	Computer Science	<button>Edit</button> <button>Delete</button>
14	<b>SV014</b>	Le Van K	k.le@example.com	Software Engineering	<button>Edit</button> <button>Delete</button>
13	<b>SV013</b>	Tran Thi I	i.tran@example.com	Information Technology	<button>Edit</button> <button>Delete</button>
12	<b>SV012</b>	Nguyen Van H	h.nguyen@example.com	Computer Science	<button>Edit</button> <button>Delete</button>
11	<b>SV011</b>	Le Van G	g.le@example.com	Software Engineering	<button>Edit</button> <button>Delete</button>

#### 4. Logout → Session invalidated → Redirected to login



#### 5. Login with: john / password123 → Regular user view → No Edit/Delete buttons

A screenshot of a web application titled 'Student Management System'. The top navigation bar includes a logo, the title, a user dropdown ('John Doe / USER'), a 'Dashboard' button, and a 'Logout' button. The main content area is titled 'Student List' and displays a table of student records. The table has columns: ID, STUDENT CODE, FULL NAME, EMAIL, and MAJOR. The data is as follows:

ID	STUDENT CODE	FULL NAME	EMAIL	MAJOR
18	<b>AB123</b>	asakdjfhaskdf	student@example.com	Computer Science
17	<b>SV017</b>	Le Van N	n.le@example.com	Software Engineering
16	<b>SV016</b>	Tran Thi M	m.tran@example.com	Information Technology
15	<b>SV015</b>	Nguyen Van L	i.nguyen@example.com	Computer Science
14	<b>SV014</b>	Le Van K	k.le@example.com	Software Engineering
13	<b>SV013</b>	Tran Thi I	i.tran@example.com	Information Technology
12	<b>SV012</b>	Nguyen Van H	h.nguyen@example.com	Computer Science
11	<b>SV011</b>	Le Van G	g.le@example.com	Software Engineering
10	<b>SV010</b>	Tran Thi F	f.tran@example.com	Information Technology
9	<b>SV009</b>	Nguyen Van E	e.nguyen@example.com	Computer Science

At the bottom of the table, there are navigation buttons for page 1, page 2, and 'Next >'. The footer of the page contains the text 'MVC Pattern with Jakarta EE & JSTL'.

**6. Try to access: /student?action=new → AdminFilter blocks access → Error message displayed**

localhost:8081/student-management-mvc/student?action=list&error=Access denied

Student Management System

John Doe **USER** Dashboard Logout

**Student List**

MVC Pattern with Jakarta EE & JSTL

**Access denied. Admin privileges required.**

ID	STUDENT CODE	FULL NAME	EMAIL	MAJOR
18	<b>AB123</b>	asakdjfhaskdf	student@example.com	Computer Science
17	<b>SV017</b>	Le Van N	n.le@example.com	Software Engineering
16	<b>SV016</b>	Tran Thi M	m.tran@example.com	Information Technology
15	<b>SV015</b>	Nguyen Van L	i.nguyen@example.com	Computer Science
14	<b>SV014</b>	Le Van K	k.le@example.com	Software Engineering
13	<b>SV013</b>	Tran Thi I	i.tran@example.com	Information Technology
12	<b>SV012</b>	Nguyen Van H	h.nguyen@example.com	Computer Science
11	<b>SV011</b>	Le Van G	g.le@example.com	Software Engineering
10	<b>SV010</b>	Tran Thi F	f.tran@example.com	Information Technology