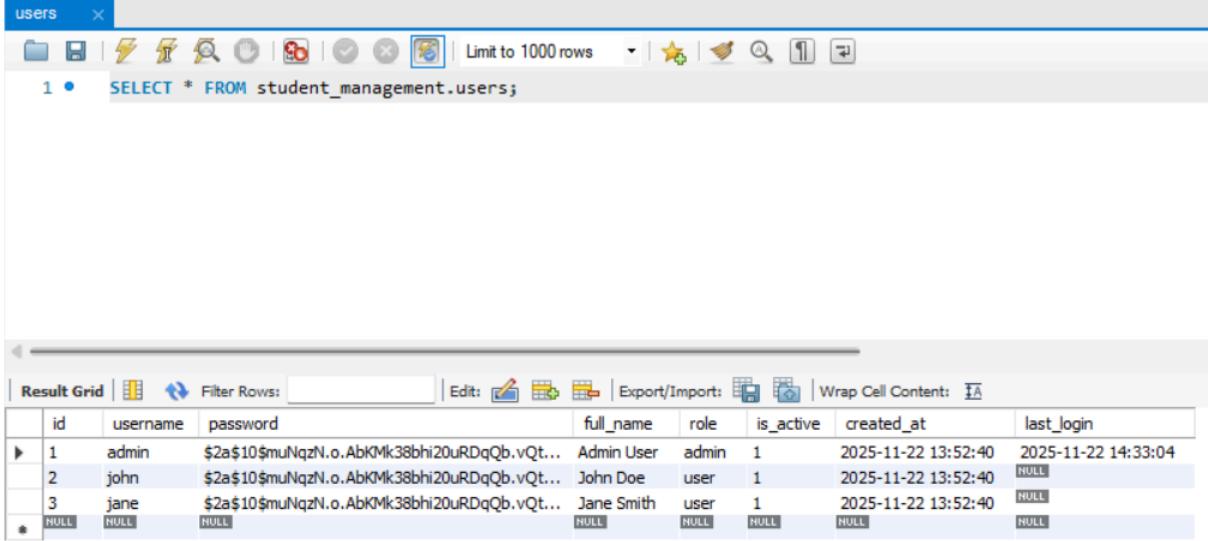


**Trần Thị Kiều My - ITCSIU23026**  
**Lab #6**  
**AUTHENTICATION & SESSION MANAGEMENT**

**Checkpoint #1:** Show the instructor the users table with test data.



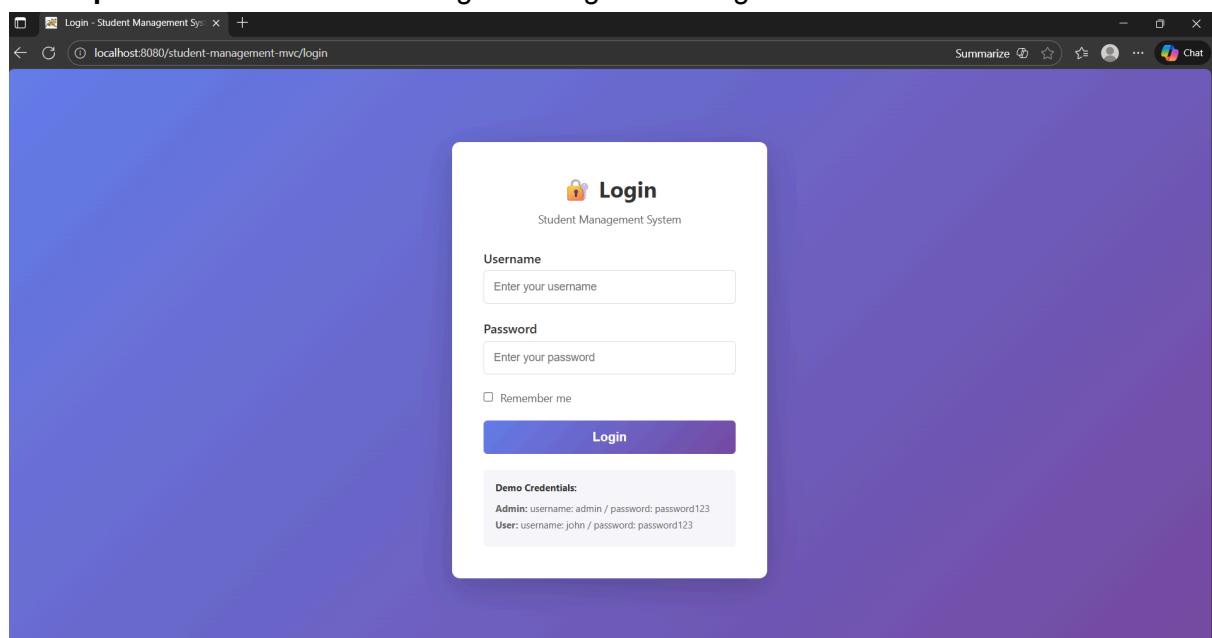
The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the SQL command: `SELECT * FROM student_management.users;`. The result grid displays the following data:

	id	username	password	full_name	role	is_active	created_at	last_login
▶	1	admin	\$2a\$10\$muNqzN.o.AbKMk38bhi20uRDqQb.vQt...	Admin User	admin	1	2025-11-22 13:52:40	2025-11-22 14:33:04
	2	john	\$2a\$10\$muNqzN.o.AbKMk38bhi20uRDqQb.vQt...	John Doe	user	1	2025-11-22 13:52:40	NULL
*	3	jane	\$2a\$10\$muNqzN.o.AbKMk38bhi20uRDqQb.vQt...	Jane Smith	user	1	2025-11-22 13:52:40	NULL
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**Checkpoint #2:** Show instructor UserDao authentication working.

```
Authentication successful!
User{id=1, username='admin', fullName='Admin User', role='admin', isActive=true}
Invalid auth: Correctly rejected
-----
BUILD SUCCESS
```

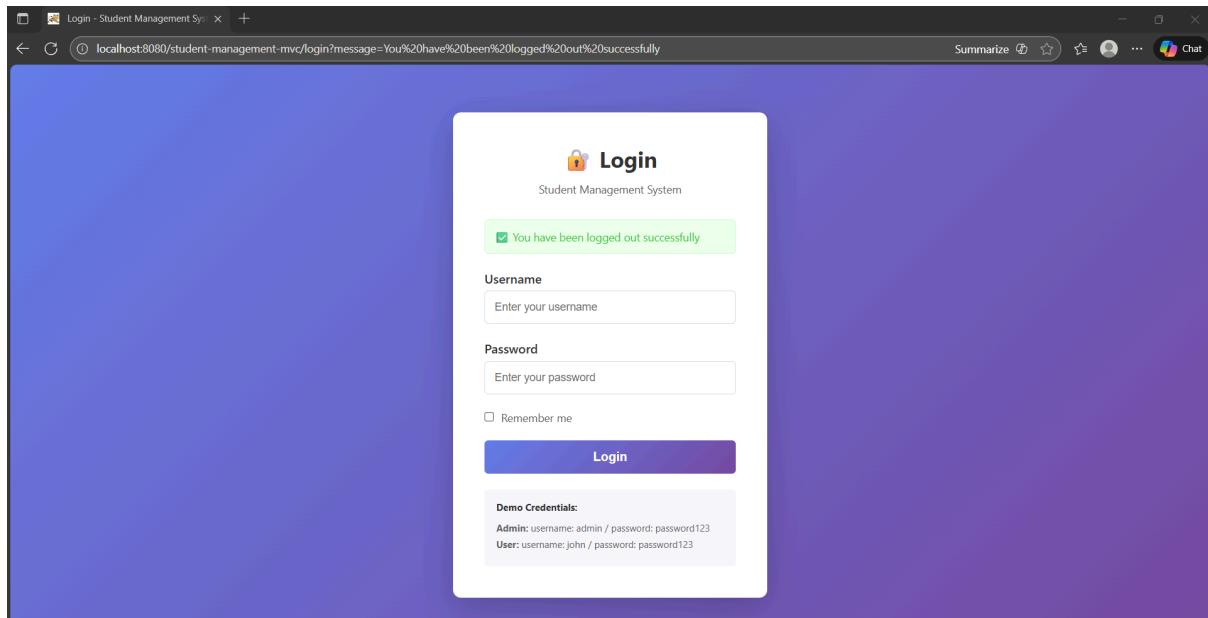
**Checkpoint #3:** Show instructor login and logout working.



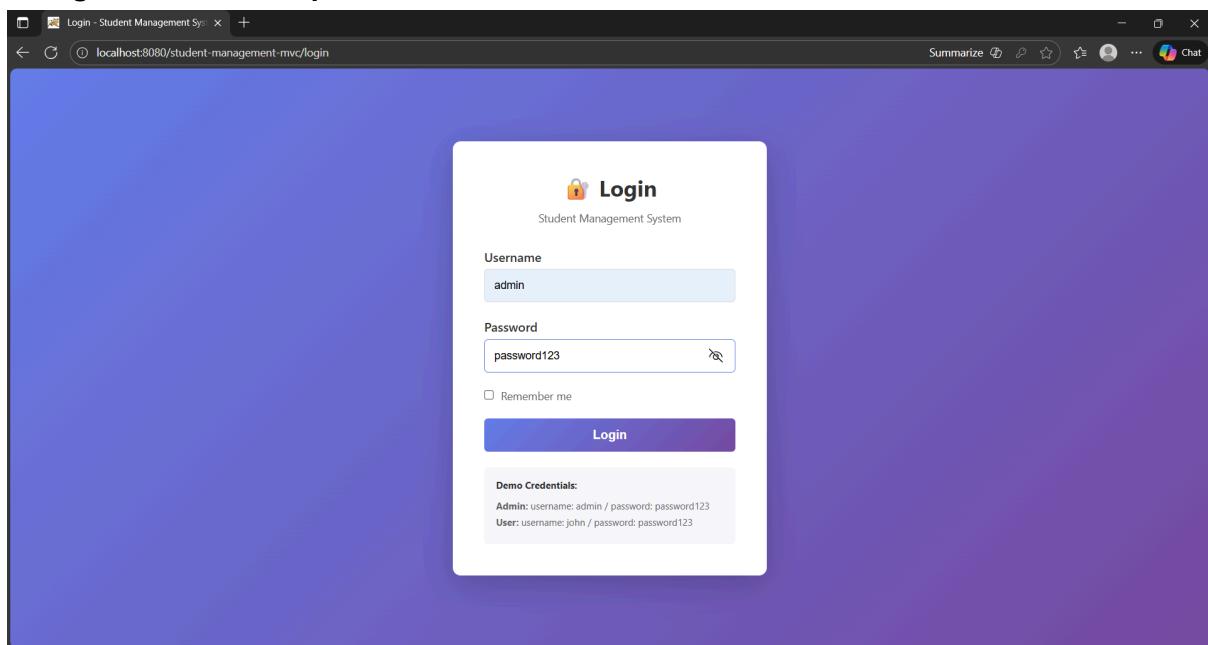
## Test Login Flow:

### 1. Access: <http://localhost:8080/student-management-mvc/login>

@WebServlet("/login")



### 2. Login with: admin / password123



Welcome back, Admin User!

Here's what's happening with your students today.

6 Total Students

Quick Actions

- View All Students
- Add New Student
- Search Students

### 3. Click "View All Students"

→ Shows student list

### Student List

MVC Pattern with Jakarta EE & JSTL

ID	STUDENT CODE	FULL NAME	EMAIL	MAJOR	ACTIONS
8	SV009	Miemiemim	tmy@gmail.com	Software Engineering	<button>Edit</button> <button>Delete</button>
6	SV006	Mie mie Love	tmy00037@gmail.com	Computer Science	<button>Edit</button> <button>Delete</button>
4	SV004	Sarah Davis	sarah.d@email.com	Data Science	<button>Edit</button> <button>Delete</button>
3	SV003	Michael Brown	michael.b@email.com	Software Engineering	<button>Edit</button> <button>Delete</button>
2	SV002	Emily Johnson	emily.j@email.com	Information Technology	<button>Edit</button> <button>Delete</button>

## → Edit/Delete buttons visible (admin)

The screenshot shows the 'Student Management' application's 'Student List' page. At the top, there is a navigation bar with links for 'Summarize', 'Dashboard', and 'Logout'. Below the navigation is a green success message box containing the text 'Student deleted successfully'. A search bar and a 'Search' button are located below the message. The main content area displays a table of student data with columns: ID, STUDENT CODE, FULL NAME, EMAIL, and MAJOR. Each row contains two buttons in the 'ACTIONS' column: a blue 'Edit' button and a red 'Delete' button. The data in the table is as follows:

ID	STUDENT CODE	FULL NAME	EMAIL	MAJOR	ACTIONS
4	SV004	Sarah Davis	sarah.d@email.com	Data Science	<button>Edit</button> <button>Delete</button>
3	SV003	Michael Brown	michael.b@email.com	Software Engineering	<button>Edit</button> <button>Delete</button>
2	SV002	Emily Johnson	emily.j@email.com	Information Technology	<button>Edit</button> <button>Delete</button>
1	SV001	John Smith	john.smith@email.com	Computer Science	<button>Edit</button> <button>Delete</button>

The screenshot shows the 'Edit Student' dialog box. The title of the dialog is 'Edit Student' with a pencil icon. The form contains four fields: 'Student Code \*' with value 'SV004', 'Full Name \*' with value 'Sarah Davis', 'Email \*' with value 'sarah.d@email.com', and 'Major \*' with a dropdown menu showing the option 'Select Major --'. At the bottom of the dialog are two buttons: a blue 'Update Student' button and a grey 'Cancel' button.

## 5. Login with: john / password123

The screenshot shows a web browser window titled "Student Management". The URL in the address bar is "localhost:8080/student-management-mvc/student?action=list". The page header includes "Welcome, John Doe" and "USER" buttons, along with "Dashboard" and "Logout" links. The main content area is titled "Student List" with the sub-instruction "MVC Pattern with Jakarta EE & JSTL". It features a search bar with placeholder text "Search by Name, Email, or Code..." and a "Search" button. Below the search bar is a table with the following data:

ID	STUDENT CODE	FULL NAME	EMAIL	MAJOR
4	<b>SV004</b>	Sarah Davis	sarah.d@email.com	Data Science
3	<b>SV003</b>	Michael Brown	michael.b@email.com	Software Engineering
2	<b>SV002</b>	Emily Johnson	emily.j@email.com	Information Technology
1	<b>SV001</b>	John Smith	john.smith@email.com	Computer Science

## 6. Try to access: /student?action=new

The screenshot shows a web browser window titled "Student Management". The URL in the address bar is "localhost:8080/student-management-mvc/student?action=list&error=Access%20denied.%20Admin%20privileges%20required.". The page header includes "Welcome, John Doe" and "USER" buttons, along with "Dashboard" and "Logout" links. The main content area is titled "Student List" with the sub-instruction "MVC Pattern with Jakarta EE & JSTL". A red error message box displays "Access denied. Admin privileges required." Below the message is a search bar with placeholder text "Search by Name, Email, or Code..." and a "Search" button. Below the search bar is a table with the following data:

ID	STUDENT CODE	FULL NAME	EMAIL	MAJOR
4	<b>SV004</b>	Sarah Davis	sarah.d@email.com	Data Science
3	<b>SV003</b>	Michael Brown	michael.b@email.com	Software Engineering
2	<b>SV002</b>	Emily Johnson	emily.j@email.com	Information Technology
1	<b>SV001</b>	John Smith	john.smith@email.com	Computer Science

## EXERCISE 8: CHANGE PASSWORD

The screenshot shows a web browser window for a "Student Management System" dashboard. At the top, the URL is "localhost:8080/student-management-mvc/dashboard". The dashboard header includes "Admin User admin", a "Change Password" button, and a "Logout" button. The main content area displays a welcome message "Welcome back, Admin User!" and a summary card showing "4 Total Students". Below this is a "Quick Actions" section with three buttons: "View All Students" (blue), "Add New Student" (green), and "Search Students" (orange). Overlaid on the bottom half of the screen is a "Change Password" modal. The modal has a title "Change Password" with a lock icon. It contains three input fields: "Current Password" (placeholder "Enter current password"), "New Password (Min 8 chars)" (placeholder "Enter new password"), and "Confirm New Password" (placeholder "Re-enter new password"). At the bottom of the modal are two buttons: a blue "Update Password" button and a grey "Back to Dashboard" button.

## Change Password

Current Password

New Password (Min 8 chars)

Confirm New Password

**Update Password**

**Back to Dashboard**



# Change Password

Password changed successfully!

## Current Password

Enter current password

## New Password (Min 8 chars)

Enter new password

## Confirm New Password

Re-enter new password

**Update Password**

**Back to Dashboard**