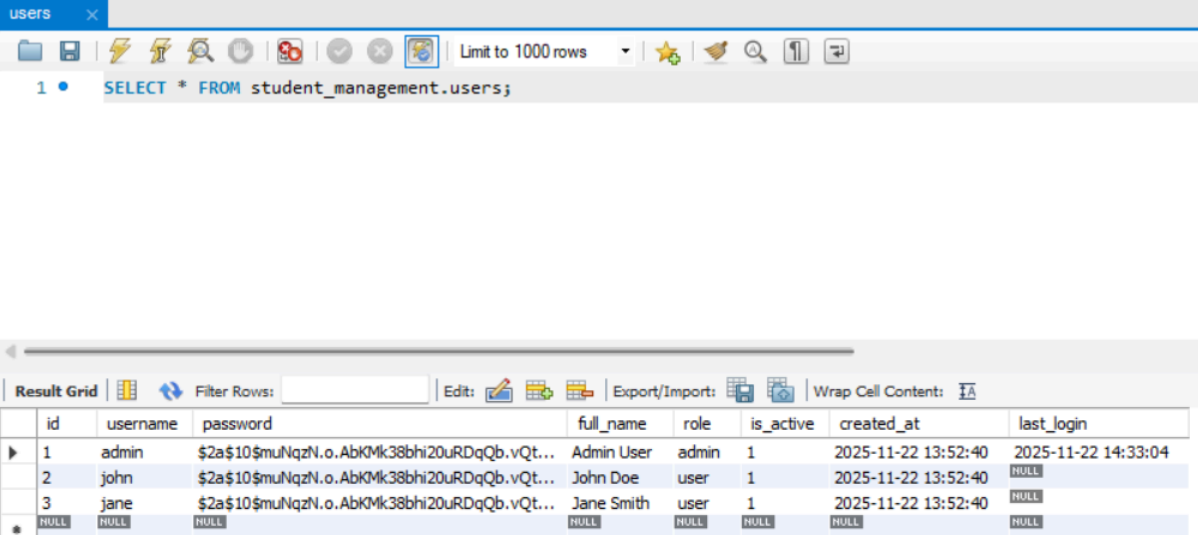


Trần Thị Kiều My - ITCSIU23026
Lab #6
AUTHENTICATION & SESSION MANAGEMENT

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



The screenshot shows a database client window titled 'users'. The SQL query 'SELECT * FROM student_management.users;' is entered. 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

Checkpoint #2: Show instructor UserDao authentication working.

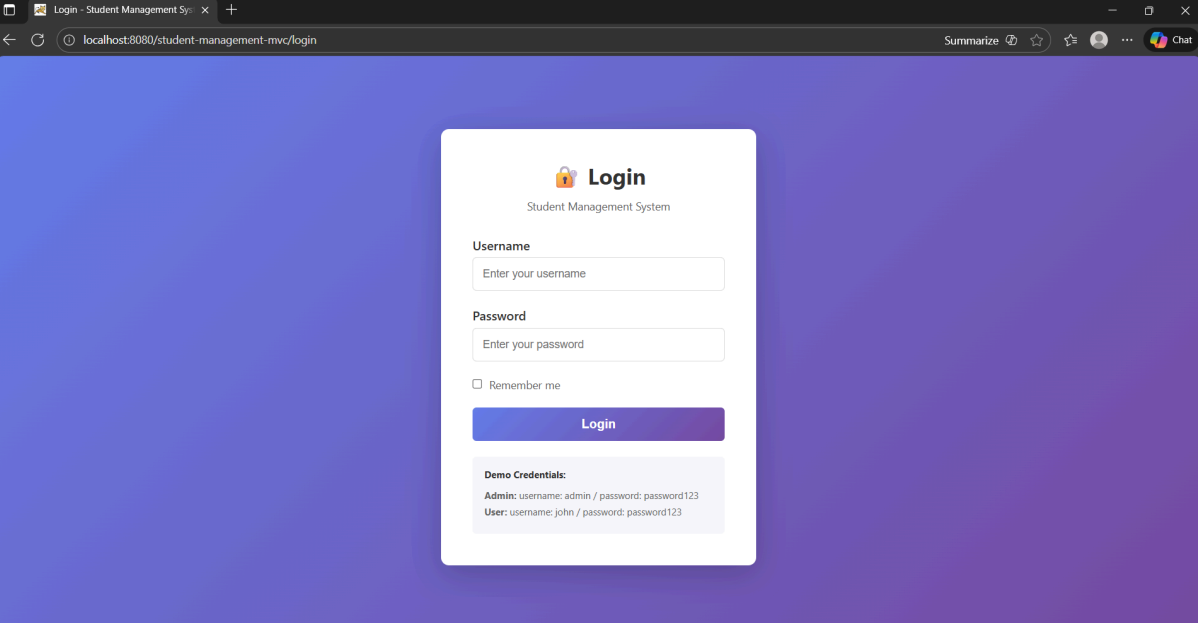
```
Authentication successful!
```

```
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.

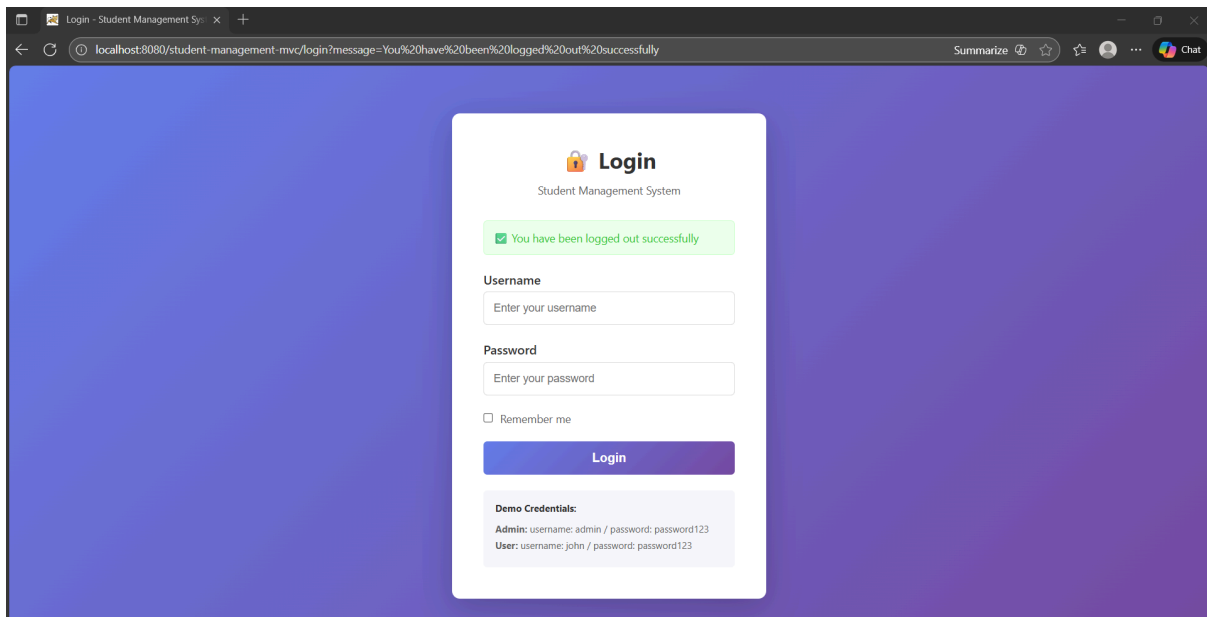


The screenshot shows a web browser window with the URL 'localhost:8080/student-management-mvc/login'. The login form is titled 'Login' and 'Student Management System'. It contains the following fields and elements:

- Username:** A text input field with the placeholder 'Enter your username'.
- Password:** A text input field with the placeholder 'Enter your password'.
- Remember me:** A checkbox labeled 'Remember me'.
- Login Button:** A blue button labeled 'Login'.
- Demo Credentials:** A section with the following text:
Admin: username: admin / password: password123
User: username: john / password: password123

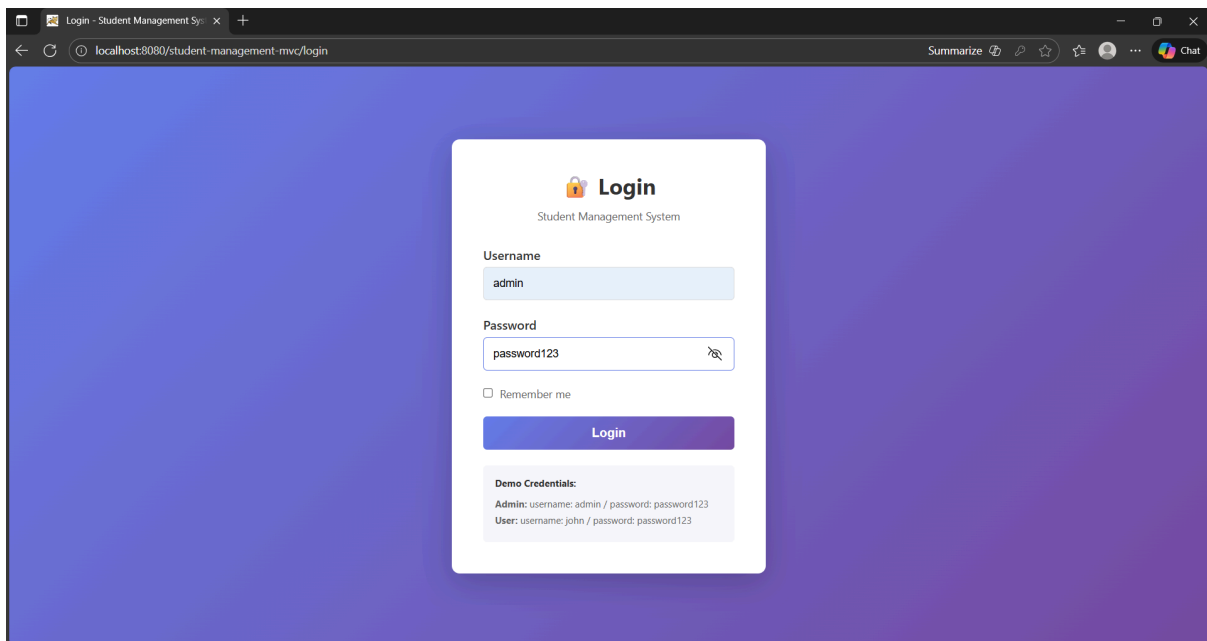
Test Login Flow:

1. Access: <http://localhost:8080/student-management-mvc/login>
@WebServlet("/login")

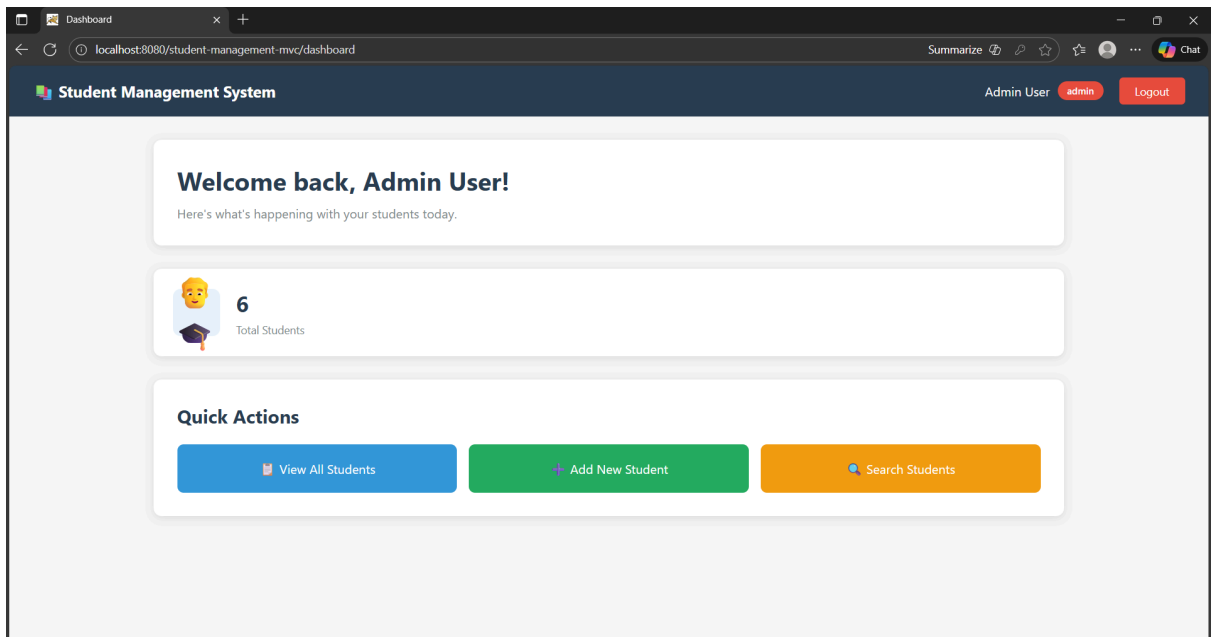


The screenshot shows a web browser window with the URL `localhost:8080/student-management-mvc/login?message=You%20have%20been%20logged%20out%20successfully`. The page has a purple gradient background. In the center is a white login card titled "Login" with a lock icon. Below the title is the text "Student Management System". A green message box at the top of the card says "You have been logged out successfully". Below this are input fields for "Username" (placeholder: "Enter your username") and "Password" (placeholder: "Enter your password"). There is a checkbox for "Remember me" and a blue "Login" button. At the bottom of the card, under "Demo Credentials:", it lists "Admin: username: admin / password: password123" and "User: username: john / password: password123".

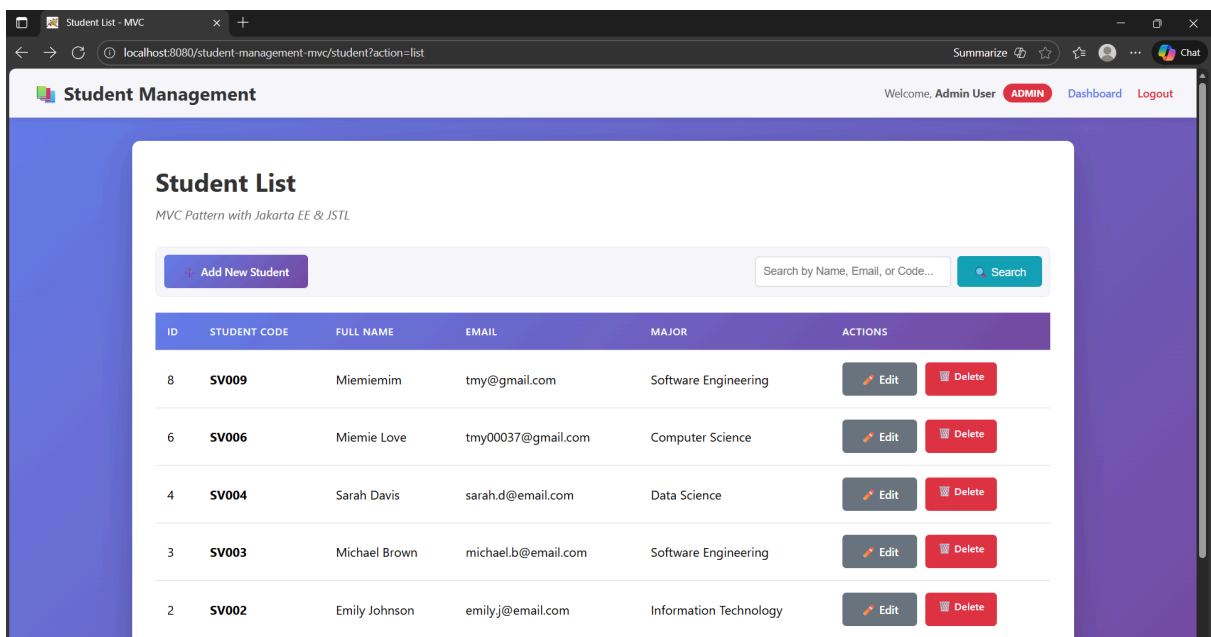
2. Login with: admin / password123



The screenshot shows the same login page, but the "Username" field now contains "admin" and the "Password" field contains "password123". The "Remember me" checkbox is still unchecked. The "Login" button remains blue. The "Demo Credentials:" section at the bottom is still visible, showing the same information as in the previous screenshot.



3. Click "View All Students"
→ Shows student list



→ Edit/Delete buttons visible (admin)

Student List - MVC

localhost:8080/student-management-mvc/student?action=list&message=Student%20deleted%20successfully

Student Management

Welcome, Admin User ADMIN Dashboard Logout

Student List

MVC Pattern with Jakarta EE & JSTL

✓ Student deleted successfully

Add New Student

Search by Name, Email, or Code... Search

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

Edit Student

localhost:8080/student-management-mvc/student?action=edit&id=4

Edit Student

Student Code *

SV004

Format: 2 letters + 3+ digits

Full Name *

Sarah Davis

Email *

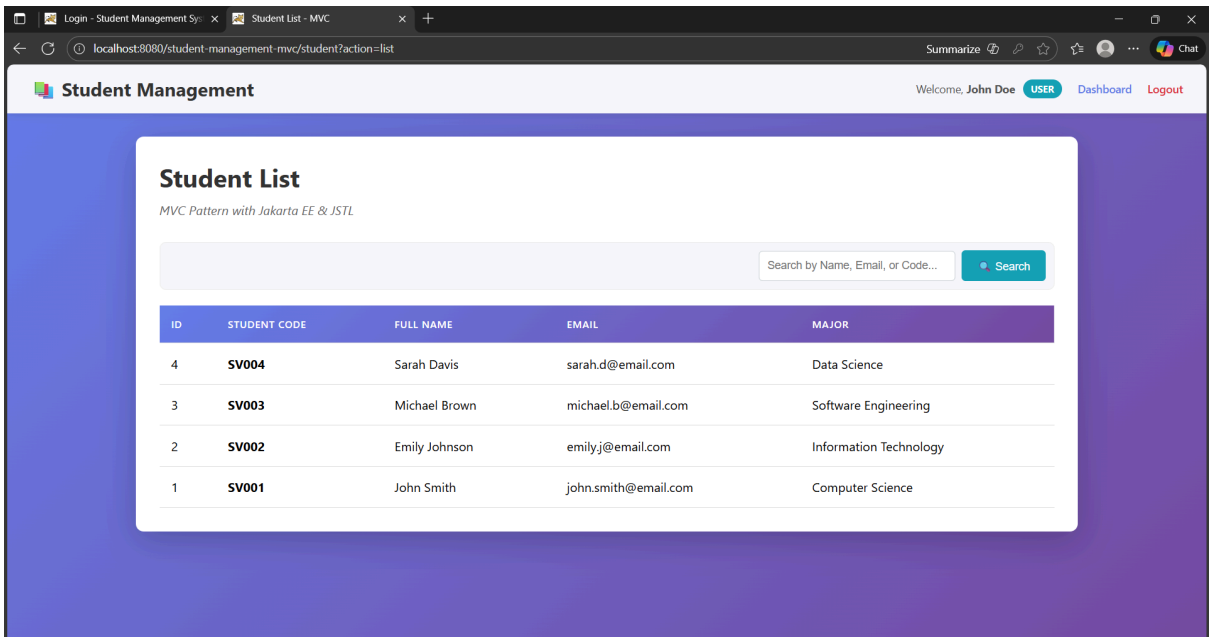
sarah.d@email.com

Major *

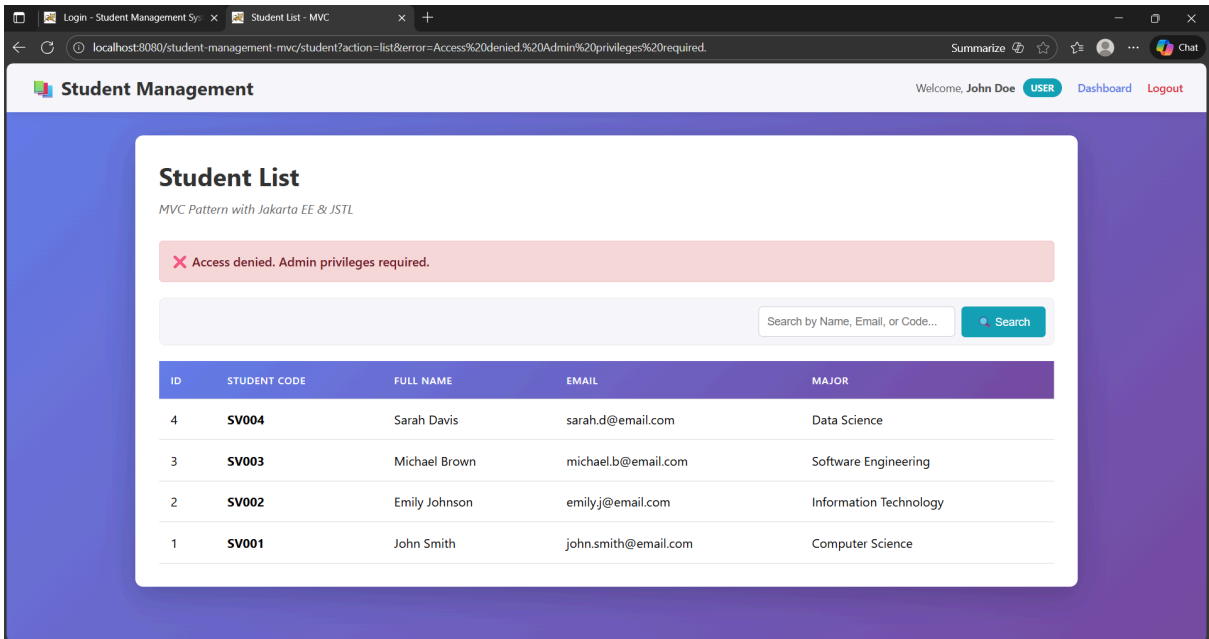
-- Select Major --

[Update Student](#) [Cancel](#)

5. Login with: john / password123



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



EXERCISE 8: CHANGE PASSWORD

Dashboard

localhost:8080/student-management-mvc/dashboard

Summarize


Chat

Student Management System

Admin UseradminChange PasswordLogout

Welcome back, Admin User!

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

4


Total Students

Quick Actions

View All Students

Add New Student

Search Students



Change Password

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



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