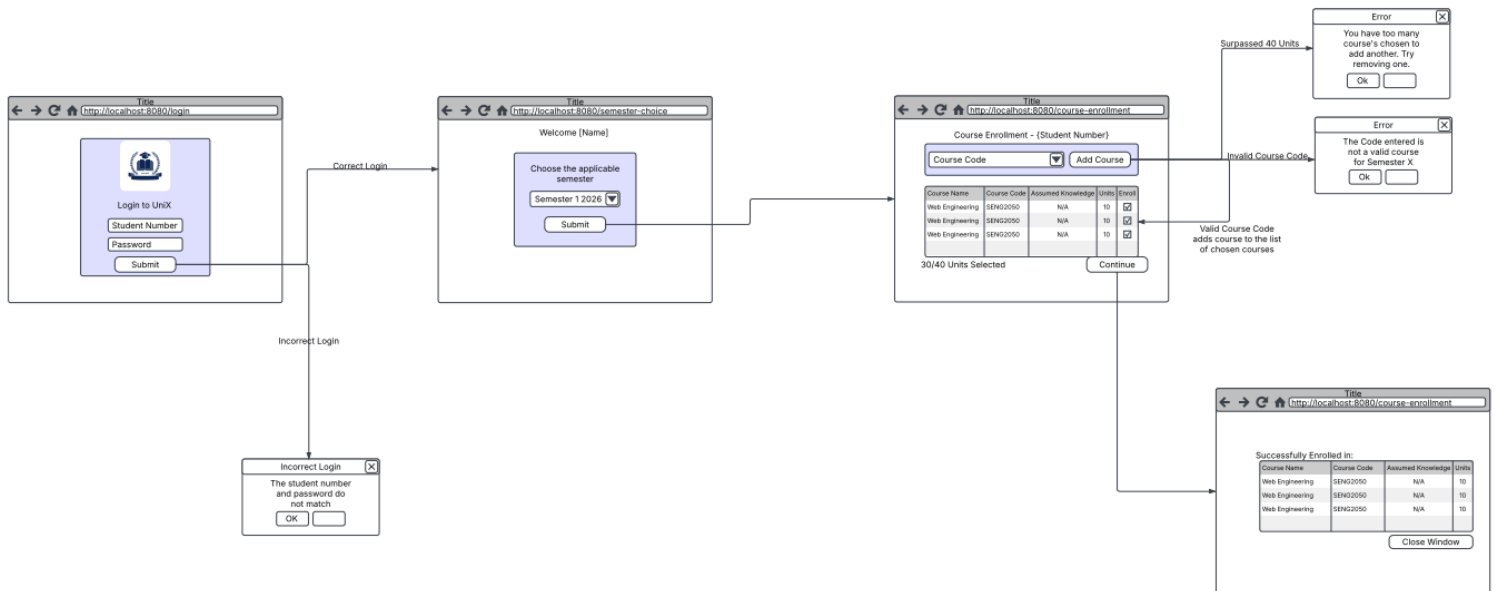


SENG 2050 – Programming Assignment

Alex Rubin, c3486124

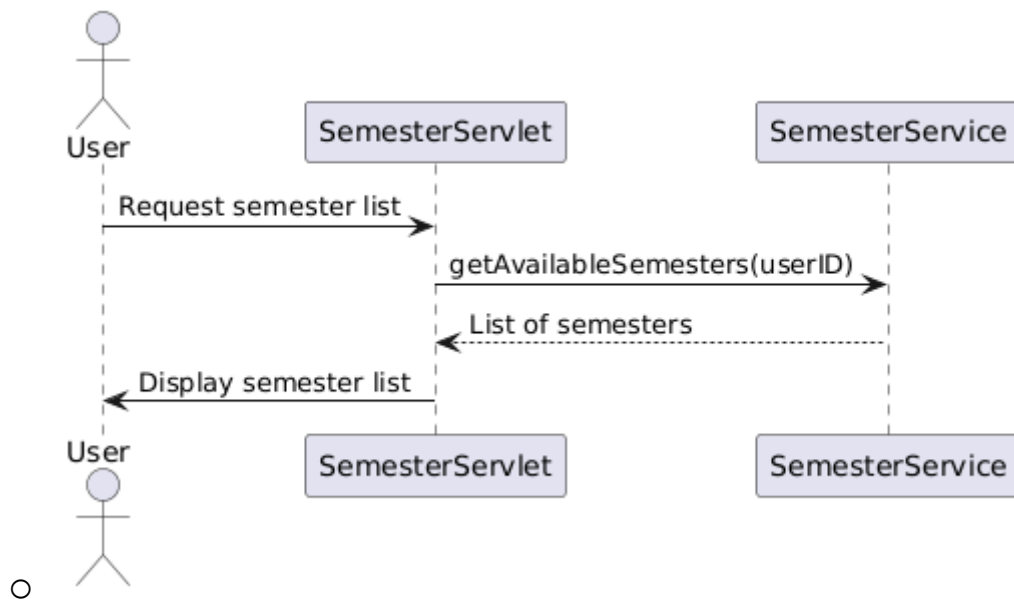
2	Requirements
3	Sequence Diagrams
5	Outcome
7	Implementation

Requirements

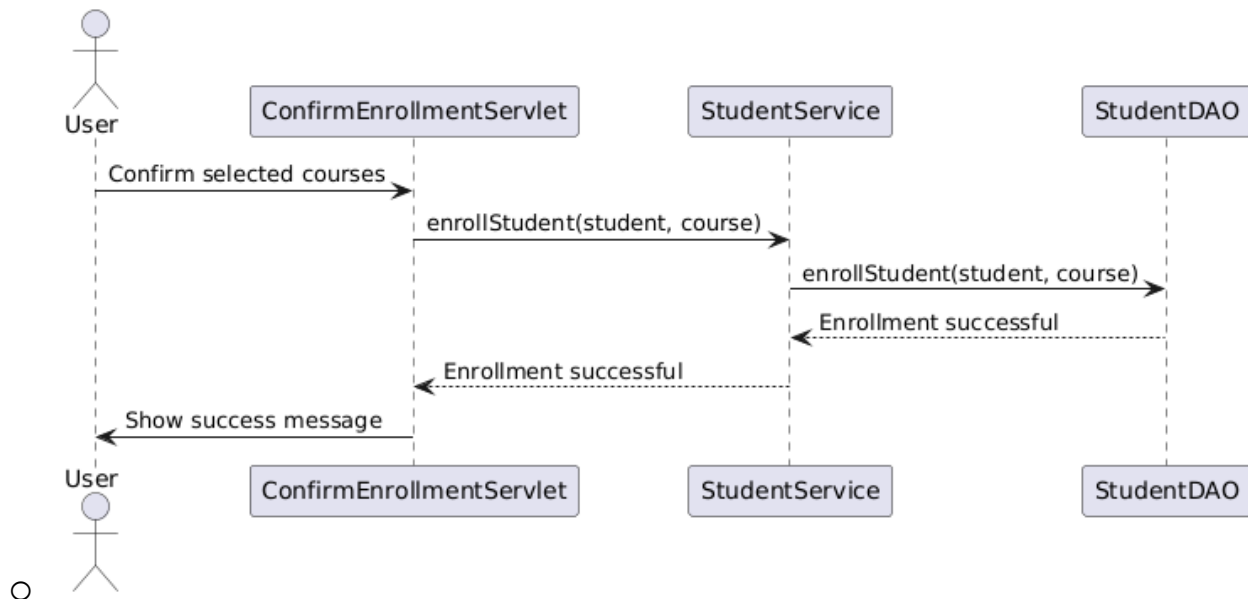


Design

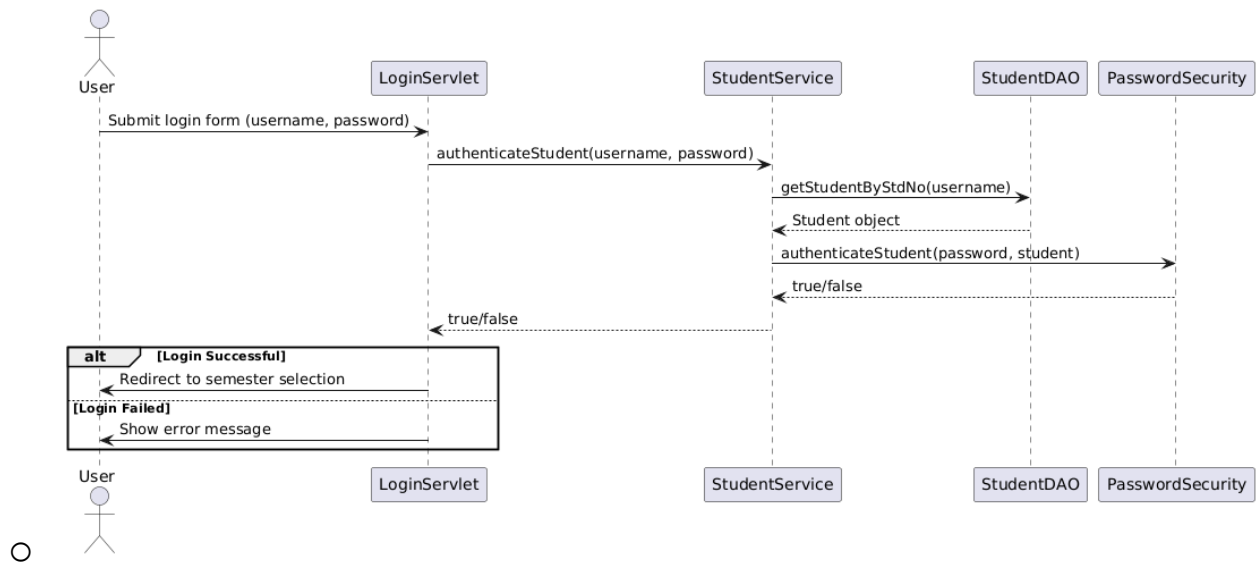
- Semester Sequence Diagram



- Confirm Enrollment Sequence Diagram



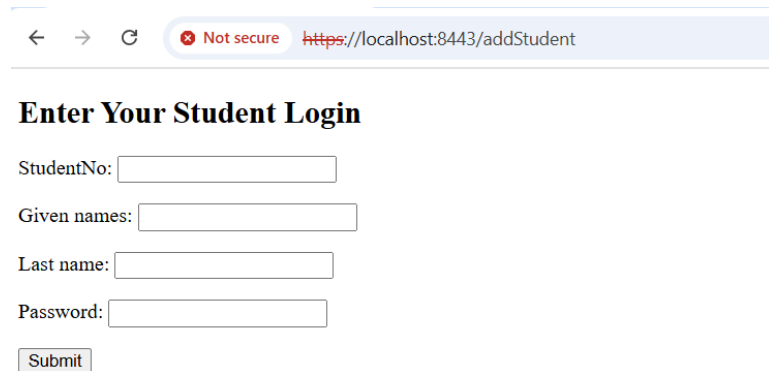
- Login Sequence Diagram



Outcome: User Manual and GUI

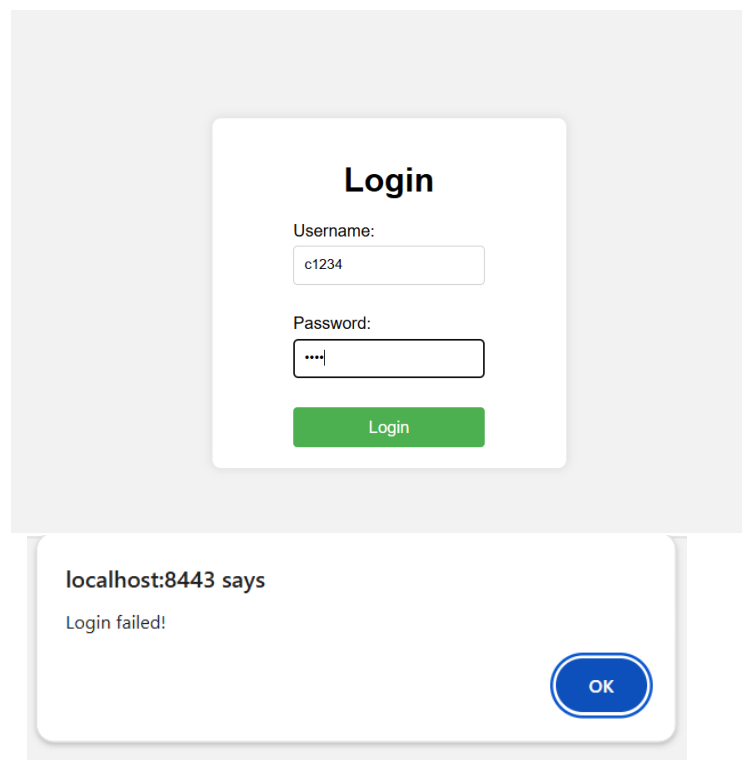
Login Process (with addStudent included):

1. Navigate to ./addStudent
2. Fill in details for student account
3. Press Submit



A screenshot of a web browser showing the URL `https://localhost:8443/addStudent`. The page title is "Enter Your Student Login". The form contains four input fields: "StudentNo:", "Given names:", "Last name:", and "Password:". Below the fields is a "Submit" button.

1. Navigate to ./login
2. Fill in newly created Student Number and password
3. If successful, application will automatically redirect, otherwise an error message will appear



A screenshot showing the login process. The top part shows a "Login" form with "Username:" (containing "c1234") and "Password:" (containing masked characters). A green "Login" button is at the bottom. Below the form, a white error message box appears with the text "localhost:8443 says Login failed!" and a blue "OK" button.

Semester Selection Process:

1. Select a semester from the drop down box
2. Press continue
3. The application will automatically redirect you

Course Selection Process:

1. Select a course from the drop down box or type in a course code
2. Press the Add course button
3. If a course is full, an error message will appear
4. If you do not meet pre-requisites, an error message will appear
5. If you do not meet assumed knowledge, an error message will appear but the course will still be added
6. If you have already exceeded the number of courses allowed, an error message will appear
7. Confirm by pressing the Submit button
8. The application will automatically redirect you to the confirmation page

localhost:8443 says

Course is full. Please select another course.

OK

localhost:8443 says

WARNING: You have not passed the pre-req knowledge for this course. You must first complete: COMP1140, SENG1110, before enrolling in this course.

OK

localhost:8443 says

WARNING: You have not passed the assumed knowledge for this course. It is recommended that you complete: INFT2031, before enrolling in this course.

OK

localhost:8443 says

You cannot select more than 40 units in total.

OK

Course Information

Course Code:

SENG4500

Add Course

Course ID	Course Name	Max Capacity	Units	Remove
INFT3050	Web Programming	10	10	<button>Remove</button>
INFT3060	Cloud Computing	10	10	<button>Remove</button>
SENG1110	Programming	10	10	<button>Remove</button>

Submit

Implementation

<https://github.com/SENG2050-Web-Engineering/programming-assignment-AlexRubin05>