**Login UI**  
**Description:** The function of the login and registration interface is briefly described, including the user entering credentials (email and password) for authentication, and jumping to different pages based on the login results.

**User Story (if applicable):**  
*"As a user, I want to log in easily by entering my email and password, so that I can access the home page securely."*

**1. Acceptance Criteria**

Define what needs to be met for this item to be considered **complete**.

✅ Users can register a new account.

✅ The user can log in using the email and password.

✅ If the password is wrong, the system will give a prompt.

✅ After a successful login, the system displays the main window.

**2. Requirements & Specifications**

Provide clear **functional** and **non-functional** details.

* **Functional:** Provides/ login API endpoint, accepts {email, password}, returns {userId, status}

Provides/ register API endpoint, accepts {email, firstName, lastName, studentId, password}, returns {userId, status}

* **Non-functional:** Must handle 1,000 concurrent requests per minute to ensure security.

**Optional:** Include wireframes or process flow diagrams.

**3. Dependencies & Constraints**

* Needs a password for confirmation identify.

**4. GWT**

Provide Given-Then-When for main cases and edge cases.

* **Given**: Describes the initial state and preconditions before the test begins
* **When**: Describes the actions taken by a user during the test
* **Then**: Describes the outcome that results from the actions taken in the "when" clause

**Scene1:** Users sign up successfully

**Given:** The user is in sign up page and enters the active [email (user@example.com),](mailto:email(user@example.com),) first name, last name, student ID and password.

**When:** The user clicks the “Sign up” button.

**Then:** The system creates the user’s account, and goes to the login page.

**Scene2:** Users log in successfully

**Given:** The user is in the login page and has an active account. For example, account: [user@example.com,](mailto:user@example.com,) password: example.

**When:** The user enters the correct email address and password and clicks the “Sign in” button.

**Then:** The user successfully sign in and is redirected to the home page.

**Scene3:** Users enter wrong password

**Given:** Users are in the login page and they have active account.

**When:** The user enters the correct email address, but enters the wrong password, and clicks the “Sign in” button.

**Then:** The system will prompt the user to re-enter the password.

**Scene4:** Users click the “Remember me” button and log in successfully

**Given:** The user is in the login page, has an active account and check the “Remember me” choice.

**When:** The user exit the page and enter again.

**Then:** The user can go directly to the home page without having to log in again.