

Use Case Description: Login

UseCase Identifier:

UC 2

Actors:

- User
- Platform (System)

Preconditions:

- The user must have an active account on the CampusConnect platform.

Main Flow:

- 1) User Launches Application:
 - The user opens the CampusConnect platform's website.
- 2) User Initiates Login:
 - On the platform's landing page, the user selects the "Sign In" option.
- 3) Input Credentials:
 - The system presents the user with a login form, prompting for credentials.
 - The user enters their registered email address and password.
- 4) Validation:
 - The system validates the user's input.
 - It checks whether the email address is in a valid format.

- It verifies if the password meets the security requirements (e.g., length, complexity).
- It confirms if the entered email address corresponds to an existing account.

5) User Access Granted:

- Upon successful authentication, the system grants the user access to their CampusConnect platform account.

Alternative Flows:

4.1) Password Reset:

- If the user forgets their password. The user clicks on the "Forgot Password" link. The system guides the user through a password reset flow. The user follows the link and sets a new password.

4.2) Account Lockout:

- The system may set a timer after multiple failed login attempts. Users can typically regain access through a password reset process.

5.1) Invalid Credentials:

- If the user enters incorrect credentials (wrong email or password), the system displays an error message, prompting the user to try again.

Postconditions:

- The user is logged in, and they can use the CampusConnect platform's features and functionality.
- The system may record the user's login activity for security and auditing purposes.