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| UC ID and Name: | UC-01: Student login | | |
| Created By: | Phan Tiến Mạnh | Date Created: | 7/10/2024 |
| Primary Actor: | Student | Secondary Actors: |  |
| Trigger: | This use case describes how a student logs into the OCMS platform to access their personalized dashboard, courses, and related materials. | | |
| Description: | This use case describes how the teacher adds new questions for students to answer on the EduNext platform. | | |
| Preconditions: |  The student has an active account on OCMS.   The student knows their login credentials (username/email and password). | | |
| Postconditions: | 1. The student successfully logs into the platform and is redirected to their dashboard. | | |
| Normal Flow: | 1. The student opens the OCMS login page. 2. The student enters their username/email and password. 3. The student clicks the "Login" button. 4. The system validates the credentials. 5. The system logs the student in and redirects them to their dashboard. | | |
| Alternative Flows: | 1. Invalid login credentials:  * If the student enters incorrect credentials, the system displays an error message. * The student is prompted to re-enter their login information. * Return to step 2 in normal flow.  1. Forgotten password:  * The student clicks the "Forgot Password" link. * The system guides the student through the password recovery process. | | |
| Exceptions: |  Loss of internet connection during login attempt.   System failure or downtime. | | |
| Priority: | High | | |
| Frequency of Use: | Students log in multiple times per day, especially before and after class hours. | | |
| Business Rules: |  Only registered students with valid accounts can log in.   Password must meet the security guidelines set by the institution. | | |
| Other Information: | This use case is part of the essential functionalities of the OCMS platform. | | |
| Assumptions: |  Students have reliable internet access.   Students know their login credentials. | | |

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| UC ID and Name: | UC-02: Student register | | |
| Created By: | Phan Tiến Mạnh | Date Created: | 30/9/2024 |
| Primary Actor: | Student | Secondary Actors: |  |
| Trigger: | A new student decides to create an account on the OCMS platform to enroll in courses. | | |
| Description: | This use case describes the process of student registration on the OCMS platform. A student provides personal details and creates an account to gain access to available courses. | | |
| Preconditions: |  The student does not already have an account on the OCMS platform.   The OCMS registration page is accessible. | | |
| Postconditions: | The student successfully registers and can now log in to the platform. | | |
| Normal Flow: | 1. The student navigates to the OCMS registration page. 2. The student enters required personal details (e.g., name, email, password, etc.). 3. The student clicks the "Register" button. 4. The system validates the input information. The system creates the account and confirms registration success. 5. The student receives a confirmation email and can now log in using their new credentials. | | |
| Alternative Flows: | 1. Incomplete or invalid registration details:  * If the student provides incomplete or invalid details (e.g., weak password, missing required fields), the system prompts the student to correct the errors. * Return to step 2 in normal flow.  1. Email already registered:  * The system detects that the email provided is already associated with an existing account. * The student is prompted to log in or recover their account. | | |
| Exceptions: |  System failure or server issue during registration process.   Loss of internet connection during form submission. | | |
| Priority: | High | | |
| Frequency of Use: | Expected to be used primarily by new students at the beginning of each academic term or as new users join. | | |
| Business Rules: |  Email must be unique for each student.   Password must meet the institution’s security requirements (e.g., minimum length, use of special characters). | | |
| Other Information: | This use case is integral to enabling new students to join the platform and enroll in courses. | | |
| Assumptions: |  Students have access to an active email address.   Students understand how to fill out the registration form. | | |

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| UC ID and Name: | UC-03: Student Change Password | | |
| Created By: | Phan Tiến Mạnh | Date Created: | 30/9/2024 |
| Primary Actor: | Student | Secondary Actors: |  |
| Trigger: | The student decides to change their password for security reasons or after forgetting their current one. | | |
| Description: |  This use case describes the process of a student changing their password on the OCMS platform. | | |
| Preconditions: | The student is logged into their OCMS account, or they have initiated a password recovery process via email. | | |
| Postconditions: | The student's password is successfully updated, and they can log in with the new password. | | |
| Normal Flow: | 1. The student navigates to the "Account Settings" section.  2. The student selects the "Change Password" option.   1. The system prompts the student to enter their current password and new password. 2. The student submits the new password. 3. The system validates the old password and checks if the new password meets security requirements. 4. The system updates the password and confirms the successful change. | | |
| Alternative Flows: | 1. Forgotten current password:  * If the student does not remember their current password, they can click "Forgot Password". * The system sends a password recovery email to the student. * The student follows the recovery process to reset their password.  1. Password does not meet security standards:  * If the new password does not meet the security requirements, the system prompts the student to correct the error (e.g., weak password). * Return to step 3 in normal flow. | | |
| Exceptions: |  Loss of internet connection during password change.   System error during the password update process. | | |
| Priority: | Medium | | |
| Frequency of Use: | Expected to be used occasionally by students who wish to update their password or after a password reset. | | |
| Business Rules: | Password must meet security guidelines (e.g., minimum length, use of upper/lowercase, digits). | | |
| Other Information: | This use case enhances account security for students. | | |
| Assumptions: | Students know their current password or have access to their registered email for password recovery. | | |