

Use Case: Update Course

Actor: Admin

Use Case Overview: An Admin initiates the process to update course details in the system. The Admin locates the specific course they wish to update, enters the new details, and submits the changes. The system validates and applies the updates if successful.

Subject Area: Course Management

Trigger: Admin selects the option to update a course.

Precondition 1: Admin is logged into the SMSApp with appropriate permissions.

Precondition 2: The course to be updated exists in the system.

Description: This scenario describes the main success scenario where the Admin updates the course details successfully.

1. Admin selects the course to update.
2. SMSApp displays the current details of the course.
3. Admin edits the course details (e.g., name, description, credits).
4. SMSApp validates the updated course details.
5. SMSApp sends an update request to the Server.
6. Server communicates with the Database to apply the updated course details.
7. Database confirms the successful update.
8. Server returns a success status to SMSApp.
9. SMSApp notifies Admin of the successful update.
10. Termination: Course details are successfully updated in the system.

Alternate Scenarios:

4A1: If the course details do not pass validation:

1. SMSApp displays an error message to the Admin.
2. Admin corrects the details and resubmits.

6A1: If the Database update fails:

1. Server returns a failure status to SMSApp.
2. SMSApp notifies Admin of the update failure.

Postconditions: The course details are updated and stored in the Database.

Quality Rules:

- Only Admins with permission can update course details.
- Any invalid data entered will trigger an error message.
- The system must confirm a successful update before notifying the Admin.