

GROUP 10: MILESTONE 2b

Use Cases

CampusCentral

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UCCS1: Registering for a planned course

Purpose: To allow students to register for courses they have previously added as planned courses in the CampusCentral course management system.

Primary Actor: Student

Stakeholders List:

- Program Counselors
 - Wants to be able to provide guidance and support to students when course registration is available.
- System Administrator:
 - Wants to be able to provide technical support for students if any problems arise during course selection.

Preconditions:

- The student is an authenticated user of CampusCentral.
- The student has added the desired course as a planned course on their schedule

Postconditions:

- The course has been added to the student's schedule for the corresponding term.
- The student's course schedule is updated with the correct course details (section, ID, and time)

Basic Flow (Main Success Scenario):

1. The student logs into CampusCentral.
2. The student navigates to the course schedule section.
3. The system displays a list of the courses the student has planned for a given term
4. The student selects the desired course to register.
5. The system displays the available sections for the selected course.
6. The student selects the section and time that fits their schedule.
7. The student selects to register for the course.
8. The system updates the student's schedules to reflect their enrollment in the course.

Alternate Flow (Exceptions):

*a. At any time, System fails:

To support recovery, the state of the student's schedule from any step of the scenario

1. The user re-logs onto Campus Central, the schedule remains in the same state as before

4a. The selected course is completely full:

1. The system displays an error message that indicates the course they have selected is full.

4b. The selected courses' prerequisites have not been met:

1. The system displays an error message that states that the prerequisites for this course have not been met.
2. The student must complete the course's prerequisites before enrolling in the desired course.

6a. The selected course section is full:

1. The system displays an error message that states the course section they've selected is full.
2. The student must select a different section or course.

6b. The selected course section conflicts with the student's schedule:

1. The system displays an error message that states that the selected course section overlaps with the time for another course in their schedule.
2. The student must select a different section or time.

UCCS2: Dropping a registered course

Purpose: To allow students to drop courses they have previously registered in through the CampusCentral course management system.

Primary Actor: Student

Stakeholders List:

- Program Counselors
 - Wants to be able to provide guidance and support to students when a student is debating on dropping a course.
- System Administrator:
 - Wants to be able to provide technical support for students if any problems occur during course selection.
- University Registrar:
 - Wants to be able to update the student's academic record and course availability once a course has been dropped.

Preconditions:

- The student is currently registered for a course.
- The student has identified what course they would like to drop for the semester

Postconditions:

- The student's academic record is updated to reflect the dropped course.
- The course capacity is updated in the university course management system.

Basic Flow (Main Success Scenario):

1. The student logs into CampusCentral.
2. The student navigates to the course manager section.
3. The system displays the student's registered courses.
4. The student selects the course they want to drop.
5. The system asks the student to confirm whether they want to drop the course.
6. The system removes the course from the student's registered courses.
7. The system updates the student's record to reflect the dropped course.
8. The system updates the courses available for the student.
9. The system displays a confirmation message regarding the dropped course.

Alternate Flow (Exceptions):

*a. At any time, System fails:

To support recovery, the state of the student's schedule from any step of the scenario

1. The user re-logs onto Campus Central, the schedule remains in the same state as before

3a. The student is not currently enrolled in any courses:

1. The system will not have the option to drop courses without a registered course.

6a. The student attempts to drop a course after the deadline for dropping courses has passed:

1. The system displays an error message stating that the student can no longer drop the course since the deadline for dropping courses has passed.

6b. The system encounters an error while dropping the course:

1. The system displays an error message indicating that the course could not be dropped due to an error.
2. The system prompts the student to try again later or contact technical support for assistance.

UCCS3: Adding a course to the student's academic plan

Purpose: To assist students to plan their courses to meet their academic requirements by distributing courses across the remaining semesters in their program.

Primary Actor: Student

Stakeholders List:

- Academic Advisors:
 - Providing assistance and guidance to help the student's schedule planning with choosing appropriate courses to meet program requirements

Preconditions:

- The student is an authenticated user of CampusCentral

Postconditions:

- The course has been added to the student's planned courses for the selected semester.
- The student's course schedule is updated with the new planned course.

Basic Flow (Main Success Scenario):

1. The user logs into CampusCentral as an authenticated student.
2. The user navigates to their course schedule where they can find their academic plan.
3. The user searches for their desired course in the course catalog.
4. The user adds their desired course to their plan by clicking "Add to plan".
5. The user selects the semester that they would like to add the course to.
6. The course is added to the student's plan for that semester.

Alternate Flow (Exceptions):

*a. At any time, System fails:

1. To support recovery, the state of the student's schedule from any step of the scenario
2. The user logs onto Campus Central, the schedule remains in the same state as before

4a. The selected course is restricted for the student due to their program or completed courses.

1. The user is notified with an error message that states the course is restricted for them and the reason.
2. The user will be prompted to select a different course or otherwise cancel the process.

5a. The selected course will not be offered for the selected semester

1. The user is notified with an error message that the course will not be available for the selected semester.
2. The user will be prompted to select a different semester or otherwise cancel the process.

5b. The student will not have completed all prerequisites for the selected course by the selected semester according to their current plan.

1. The user is notified with an error message that they will not have met the course requirements for the selected semester.
2. The user will be prompted to select a different semester or otherwise cancel the process.

UCCS4: Removing a course from the student's academic plan

Purpose: To enable students to fix mistakes made on their academic plan or reschedule their previous plans for any reason.

Primary Actor: Student

Stakeholders List:

- Program Counselor:
 - To provide guidance and assistance for students that have conflicts within their academic schedule

Preconditions:

- The student is an authenticated user of CampusCentral

Postconditions:

- The course has been removed from the student's planned courses for the selected semester.
- The student's course schedule is updated to reflect the removal of the course.

Basic Flow (Main Success Scenario):

1. The user logs into CampusCentral as an authenticated student.
2. The user navigates to their course schedule where they can find their academic plan.
3. The user selects the semester when the course was originally planned.
4. The user removes the course they would like by clicking "Remove Course from Plan".
5. The course is removed from the student's plan.

Alternate Flow (Exceptions):

*a. At any time, System fails:

1. To support recovery, the state of the student's schedule from any step of the scenario
2. The user logs onto Campus Central, the schedule remains in the same state as before

4a. The selected course is a prerequisite for another course on the student's plan.

1. The user is notified with an error message that states the course is a prerequisite for other courses on their plan.
2. The process will be canceled.

UCCS5: Viewing Future Courses

Primary Actor: Student

Purpose: To allow students to preview future courses which they are required to take and be aware of any necessary prerequisites that they might need to take prior to taking a said course to allow them to plan semesters accordingly.

Stakeholders List:

- **Program Counselor**
 - To be able to advise students in their specific program about the courses which are mandatory to complete the degree.
- **Academic Advisor**
 - To be able to advise students on the best possible courses to take in specific semesters and preview which need to be taken for specific programs.

Preconditions:

- The student is enrolled in a program and is a student at the university.
- The student is an authenticated user of Campus Central.

Postconditions:

- Students are able to view courses required for their program and any prerequisites required and detailed information about all required courses.

Basic Flow (Main Success Scenario):

1. The user logs into CampusCentral as an authenticated student.
2. The user navigates the system to 'My Progress'.
3. The system highlights all courses required for the specific program per semester.
4. The system shows courses completed and when they were completed and shows the remaining courses to be taken.
5. The user can select any future course to be taken and a drop-down menu of the prerequisites to be taken will be displayed along with the relevant course descriptions.

Alternate Flow (Exceptions):

*a. At any time, System fails:

1. To support recovery, the state of the student's schedule from any step of the scenario.
2. The user logs onto Campus Central, the schedule remains in the same state as before

4a. The student has completed all courses required for their program

1. A congratulatory messages shows up saying that all required courses have been completed
2. The student is allowed to see all completed course information along with grades and semester taken

UCCS6: Viewing Past Courses

Purpose: To allow students to be able to see all courses they have completed in the past

Primary Actor: Student

Stakeholders List:

- **Program Counselor**
 - To be able to guide students in their specific program about any mandatory course which may have been missed to complete the degree.

Preconditions:

- The student has fully completed at least 1 course whilst being enrolled.
- The student is an authenticated user of Campus Central.

Postconditions:

- Students are able to view their progress thus far with all completed courses and their grades received for said courses.

Basic Flow (Main Success Scenario):

1. The user logs into CampusCentral as an authenticated student.
2. The user navigates the system to 'My Progress'.
3. The system highlights all courses required for the specific program per semester.
4. The system shows courses completed and when they were completed.
5. The user can select any course that has already been completed and a drop-down menu of the course information and their attained grade will be displayed along with the relevant course description.

Alternate Flow (Exceptions):

*a. At any time, System fails:

1. To support recovery, the state of the student's schedule from any step of the scenario.
2. The user logs onto Campus Central, the schedule remains in the same state as before

4a. The user has not completed any courses whilst being fully registered as a student

1. A brief message appears stating that no courses have been completed.
2. The student is allowed to see in order every course which is required to be taken and relevant information pertaining to each course to finish the specified program.

UCCS7: Upload final grades

Purpose: To allow Professors to upload final grades for students within a course

Primary Actor: Professor

Stakeholders:

- University Registrar
 - To be able to have access to student's official grades, useful for transcripts and external documents
- System Administrator
 - To be able to view the overall final grades system to verify grades are uploaded correctly and that there are no flaws within the workflow
- Program Counselor
 - To be able to view the overall final grades which can be used for analytics, including the median, mean, and average grades for a selected course
- Students
 - To be able to view their official grades for a course they are currently taking.

Preconditions:

- The professor must be authorized to upload grades.
- The professor must have access to the class roster.
- The grading system must be configured to accept the file format used for uploading grades.

Postconditions:

- The uploaded grades are saved in the system.
- The students can view their grades.
- The university administration can view the grades and generate reports.

Basic Flow (Main Success Scenario):

1. The Professor logs into the system.
2. The Professor navigates to the grade upload page.
3. The Professor selects the course and the grade file.
4. The system verifies the format and validity of the file.
5. The Professor confirms the upload.
6. The system saves the grades and notifies the Professor of the successful upload.

Alternate Flow (Exceptions):

*a. At any time, System fails:

1. To support recovery, the system automatically saves the grades that have been entered up to that point.
2. The Professor re-logs onto Campus Central, the grade management system remains in the same state as before.

4a. The Professor encounters technical difficulties while entering grades:

1. The system displays an error message indicating that there was an error in saving the grades.
2. The Professor tries again or contacts the system administrator for technical support.

4b. The Professor needs to upload grades for an assignment or exam that was not listed:

1. The system displays an error message indicating that the assignment or exam was not found in the system.
2. The Professor contacts the system administrator to have the assignment or exam added.

6a. The Professor accidentally enters incorrect grades:

1. The Professor can go back and edit the grades.
2. The system updates the grade book and displays a confirmation message that the changes have been saved.

6b. The Professor needs to upload grades for a student who is not listed:

1. The system displays an error message indicating that the student was not found in the system.
2. The Professor contacts the system administrator to have the student added.

UCCS8: Downloading Class Lists

Purpose: To allow Professors to download a class list for a particular course.

Primary Actor: Professor

Stakeholders List:

- **System Administrator:**
 - Wants to ensure that the downloading process is secure and user-friendly.
- **Department Chair / Program Counselor :**
 - Wants to ensure that the downloaded class list includes all necessary information for each student.
- **Students:**
 - Wants to ensure that their personal information is secure and protected.

Preconditions:

The Professor is an authenticated user of the CampusCentral system.

The Professor is assigned to teach the course for which they want to download the class list.

Postconditions:

The Professor has successfully downloaded the class list for the corresponding course.

The downloaded class list includes all the necessary information for each student.

Basic Flow (Main Success Scenario):

1. The Professor logs into CampusCentral.
2. The Professor navigates to the course management section.
3. The system displays a list of courses the Professor is assigned to teach.
4. The Professor selects the desired course.
5. The system displays the course details, including an option to download the class list.
6. The Professor selects the option to download the class list.
7. The system generates and downloads the class list in a user-friendly format.
8. The Professor saves the downloaded class list to their computer.

Alternate Flow (Exceptions):

4a. The Professor is not assigned to teach the selected course:

1. The system displays an error message indicating that the Professor is not assigned to teach the selected course.
2. The Professor selects a different course or contacts the department chair for assistance.

6a. The system fails to generate the class list:

1. The system displays an error message indicating that there was an error generating the class list.
2. The Professor contacts the system administrator for assistance.

6b. The downloaded class list is incomplete or contains errors:

1. The system displays an error message indicating that the downloaded class list is incomplete or contains errors.
2. The Professor contacts the system administrator or the department chair for assistance in correcting the class list.

8a. The downloaded class list includes sensitive personal information:

1. The system displays a warning message indicating that the downloaded class list includes sensitive personal information.
 2. The Professor ensures that the downloaded class list is saved to a secure location and not shared with unauthorized individuals.
- 8b. The downloaded class list is not in a user-friendly format:
1. The system displays a warning message indicating that the downloaded class list is not in a user-friendly format.
 2. The Professor contacts the system administrator or the department chair for assistance in obtaining a more user-friendly format.

UCCS9: View courses they are teaching

Primary Actor: Professor

Purpose: To allow professors to be able to view courses they are teaching in the present, past, and future, and to provide accessibility to summaries and class lists for courses at any given time.

Stakeholders List:

- System Administrator
 - Wants to provide technical support to professors if the courses displayed don't match their scheduled plan
- Program Counselor
 - Wants to know the courses that a professor is currently teaching, taught in the past, and going to teach in the upcoming semesters

Preconditions:

- The professor is an authenticated user of CampusCentral.

Postconditions:

- The course has been added to the professor's schedule for the corresponding term.
- The professor's course schedule is updated.

Basic Flow (Main Success Scenario)

1. The professor logs into CampusCentral.
2. The professor navigates to the course schedule section.

Alternate Flow (Exceptions)

*a. At any time, System fails:

1. To support recovery, the state of the professor's schedule from any step of the scenario is saved
2. The user logs onto Campus Central, the schedule remains in the same state as before
3. If the professor does not have any scheduled courses, the system will display a message that no course has been scheduled for the semester

UCCS10: Review course waiver requests

Primary Actor: Program Counselor

Purpose: To allow program counselors and professors to override course permissions for students.

Stakeholders List:

- Professors
 - Wants to be able to override waiver requests for students depending on the courses they are teaching

Preconditions:

- The program counselor is an authenticated user of CampusCentral.

Postconditions:

- The course has been added to the student's schedule for the corresponding term.
- The course class list is updated with the addition of the new student
- The course capacity is updated in the university course management system.

Basic Flow (Main Success Scenario):

1. The program counselor logs in CampusCentral.
2. The program counselor navigates to the course waiver request section.
3. The program counselor will have the option to accept or decline the request
4. The system will prompt users to proceed and accept their choices
5. The system updates the student's schedules to reflect their enrollment in the course.

Alternate Flow (Exceptions):

*a. At any time, System fails:

1. To support recovery, the state of the counselor's work will be saved from any step of the scenario.
2. The user logs onto Campus Central, the schedule remains in the same state as before

3a. There are no course waiver requests on file.

1. A message is displayed to the user that there are no requests available.
2. The user is unable to proceed with the steps.

UCCS11: Viewing Semester Schedule

Purpose: To allow students to see all the courses they are taking in any semester.

Primary Actor: Student

Stakeholders List:

- **Program Counselor**
 - To be able to guide students in their specific program about any conflicts in the semester schedule.

Preconditions:

- The student is an authenticated user of Campus Central.
- The student is a registered user able to take courses at Guelph
- The student has added their desired courses for the semester

Postconditions:

- Students are able to view their courses in a timetable showing when the course and labs run throughout the week and any meeting information.
- Students are able to view the exam timings for each course in the schedule.
- Students are able to view their past schedules from previous semesters.
- Students are able to view their planned schedules for any future semester.

Basic Flow (Main Success Scenario):

1. The user logs into CampusCentral as an authenticated student.
2. The user navigates the system to 'Student Planning'.
3. The system displays all the courses the user has planned and registered for the semester.
4. The system displays all the meeting information for courses and exam schedules.
5. The system displays all the previous semester's schedule on a separate page when the user clicks the "Timeline" button
6. The system displays the previous or next semester's schedule when the user clicks the "Show Previous Term" or "Show Next Term" buttons.
7. The system updates any changes to the user's schedule and prompts the user for any success or failure

Alternate Flow (Exceptions):

*a. At any time, System fails:

To support recovery, the state of the student's schedule from any step of the scenario.

1. The user logs onto Campus Central, the schedule remains in the same state as before
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- 3a. The courses schedule displayed has a conflict in course timing:
 1. The system displays an error message that states which courses have a conflict in their timings and highlights the courses in the schedule in red.
 2. The user must change the highlighted courses with a section of a non-conflicting time.
 - 3b. The courses schedule displayed has a conflict with lab timing:

3. The system displays an error message that states which labs have a conflict in their timings and highlights the labs in the schedule in red.
 4. The user must change the highlighted courses with a section with a lab of a non-conflicting time.
4. The course schedule displayed has a conflict with the exam timing:
1. The system displays an error message that states which courses have a conflict in their exam timings and highlights the course exams in the schedule in red.
 2. The user must contact their Academic Advisor for consultation on exam conflicts.
 - a. The user can also drop a course of lesser importance to rid of any exam conflicts with required courses.

UCCS12: Applying for Graduation

Primary Actor: Students

Purpose: To enable eligible students to graduate at the upcoming convocation, regardless of their attendance at the convocation ceremony.

Stakeholders List:

- Academic Advisor
 - To be able to view which students are ready to apply for graduation and guide those who are short of any requirements for graduation.
- Department Chair
 - To be able to review the records of the student applying for graduation and if they have met the University, Program, and Specialization requirements.
- University Registrar
 - To be able to initiate the graduation process checks the eligibility of applicants, and provides students with information about the date and time of the convocation ceremonies.
 - To be able to view a list of all recommended graduands for approval.

Preconditions:

- The student is an authenticated user of CampusCentral.
- The student is eligible to graduate and meets the requirements for graduation
- The student did not miss the last day when applications will be accepted.
- The student has filled out the graduation application with the correct information.

Postconditions:

- The student has submitted the graduation application
- The student can go back to the same application to open a window displaying their Graduation Application Review.
- The application has been forwarded to the University Registrar for review and requirement checking.
- The application fees and/or late application fees have been applied to their student account.

Basic Flow (Main Success Scenario)

1. The student logs into CampusCentral.
2. The student navigates to the Application for Graduation link from the sidebar, under Academics, then under the Graduate drop-down menu.
3. The student selects their campus/degree level from the drop-down menu when the application opens.
4. The student is prompted to select their program to apply for graduation
5. The student is prompted with a “Graduation Application Add” form, which they must fill out.
6. The student checks the “Final Confirmation” textbox and submits the application.
7. The student is redirected back to Service Selections and clicks the “Ok” button to complete the process.
8. The student can navigate back to the Application for Graduation link to open their application and review their graduation information.

Alternate Flow (Exceptions)

*a. At any time, System fails:

1. To support recovery, the state of any submitted work is saved, but unpopulated text boxes in the application are not saved.

2. The user re-logs onto CampusCentral and starts the application again if they have yet to submit it.
- 4a. The expected program is not displayed in the Graduation Application.
 1. The student must email their respective convocation committee for assistance
 2. The user has to cancel their application and try again once the issue is resolved at a later date.
- 4b. The student receives an error message or “No Active Applications or Eligible Programs found”.
 1. The student must email their respective convocation committee or their program counselor for assistance.
 2. The user has to cancel their application and try again once any issues regarding the application or their requirements have been resolved.
5. The student begins filling out their application but they are inactive for too long
 1. The student has been logged off due to inactivity and any unsubmitted text in the application is lost.
 2. The user re-logs onto CampusCentral and starts the application again.
6. The student does not check the “Final Confirmation” tickbox and submits the application.
 1. The system prompts an error to the user that they must tick the Final Confirmation tick box in order to submit their application
 2. The system does not reload the page, so the responses are saved, to which the user can check the checkbox and submit their application.
8. The student receives an error message of “No Active Applications or Eligible Programs found”.
 1. The student must email their respective convocation committee or their program counselor for assistance.
 2. The user has to try again once any issues regarding the application or their requirements have been resolved.