

Use Case Model

Use case	Description
STUDENT	
UC-1:Class Information	The system should provide the student with the means to see basic information on the Teacher and other classmates such as email, and who is with a class. Private information will stay hidden to other users
UC-2:Course Logs	The system will be able to show the user previously attended courses and enable the student access to contents of the course over the years
UC-3: Subscription Tracker	The system will be able to allow the students to subscribe for courses and exams, and also be able to keep track of the subscribers
UC-4:Collaboration Environment	The student should be able to upload and download various file types from the system, and also share with others all within a sectioned off team environment. This is possible with a grouping system.
UC-5:File Database	The system should enable students to upload and download various file types from the server.
UC-6:Mailbox	The system provides the students a means of communication this enables them send files, group invitations or just ask questions
UC-7:Search Bar	The system will offer a keyword search bar that works with static information and dynamic information
UC-8:Settings	The system should have an interface that enables the user to change various things. The user will be able do different things in regard to their password such as change and rest. Settings will also allow the user to change their notification behaviour. And visibility settings where the user will determine what others see on their profile

UC-9: Grade Interface	Gives the user access to see information regarding their grade in each course. It will offer things such as overall average, class average, teacher comments and more. The students grade are protected and only the student and instructor can view them
LECTURERS	
UC-10: Creating a Course	The system will allow lecturers to create a course. Either from scratch or from a previous course/period by duplicating and importing the materials required. They will also be able to establish enrolment policies based on the department, grade and first-come first-serve (fcfs). The lecturers will also be able to limit the number of students in a class and prevent unqualified students from subscribing.
UC-11: Assistant Lecturers	The system will allow the lecturers to register assistant lecturers and assign them to teams
UC-12: Upload material	The lecturers can upload course material for the course and prepare schedules
UC-13: Manage grades and grading policy	Lecturers need to be able to insert, update and calculate final grades within the system in accordance with the courses grading policy. Grading statistics are required.
UC-14: Sending and receiving mail	Lecturers need to send custom mail to multiple recipients (students) at once and have the support of mail merge templates. This feature should be a single click function
UC-15: Manage Students and Student Teams	Lecturers will be granted access to student profiles and plan meetings with them. They can also manage student teams (create, insert, remove, delete, rename) and enter their grades
UC-16: Manage Class	They need to manage static and dynamic course information, as well as post news messages and manage the course archives (visibility).
UC-17: Visibility	The system will grant visibility of grades and course materials to the right actors in the system. (i.e. Lecturers can view all grades, while students can view only theirs)

UC-18: Importability	Importing BOZ roster info in the course roster is needed for the lecturers
SYSTEM MAINTAINER	
UC-19:Creating Back-Ups of System	System will create backups of system in cases where either the system has faults or the system is down temporarily
UC-20:allow for size limitations of uploaded files from lecturers and students	Size limitations for uploaded files will ease the system load as if the files were too large then the system would very quickly run out of size and also files of huge size uploaded at the same time will cause heavy workload
UC-21:Maintain a limit for total space available for each course	System limits for each course allow it so that courses don't have an imbalance of size and encourages for organization of its file uploading system
UC-22:Allowing restoration of partial and complete back ups of specific date	Used in case of the system being in very heavy load, bugs and errors or if the system goes down. The system will be able to iterate to a previous version for temporary usage until the updated iteration comes through
ADMIN	
UC-23:Creating classes for the new school term	Create new classes for the new term and store them in the database
UC-24: Add new lecturer	Add a new lecturer to the specified course and store in database
UC-25:Limit course enrollment	Set a minimum limit to the amount of students that can enroll in a specific course
UC-26: Get student information	Get the students full information from a specified course and display it on screen.

UC-27: Add prerequisites of a course	The system will add a prerequisite to a specified course given their department, so the next time a student adds a course the system will check if the prerequisites have been completed.
UC-28: Calculate grade statistics of school	The system will take the grade statistics from each student, department, year and course and create a grade statistic that represents the entire school.
UC-29: Manually enroll a student	The system will add a student to a specified course, even if it violates the requirements or enrolment policies
UC-30 :Calculate the number of student who have failed this semester	The system will find every user that has passed and remove them from the array to leave behind the failed ones and display them on screen.
UC-31 :Detect Faults in system	The system will detect faults in the system if there are any.