

Zhilin Yue

Praticum3 - Deliverable One

Essential use cases

Note: the ones marked red are the ones I'm going to implement in my final project.

Student

Register for a course

Pre-conditions:

the student is enrolled in the university

the student provided has student id, password and 8-digit subject/course/section number

Post-conditions: None

User Intention	System Responsibility
----------------	-----------------------

Select a course	Verifies the student's identity Verifies the student's eligibility by checking restriction in student's account Verifies the room availability of the chosen section Indicate available sections
-----------------	---

Confirmation	Confirm the course selection Select the course Update student roster Provide confirmation of successful registration
--------------	---

Drop a course

Pre-conditions:

the student is enrolled in the university

the student registered for at least 1 course

Post-conditions: None

User Intention	System Responsibility
----------------	-----------------------

Select a course	Validate choice Request Confirmation
-----------------	---

Confirmation	Confirm the course selection Drop the course Update student roster Provide confirmation of successful drop
--------------	---

View/Print roster

Pre-conditions:

the student is enrolled in the university

the student is registered for at least 1 course

Post-conditions: None

User Intention

System Responsibility

Self identification

Verifies the student's identity
Verifies the student's registration in the class

Select Roster

Confirm the student's identity
Select the corresponding student's roster
Display the roster

View grades

Pre-conditions:

the student is enrolled in the university

the student is registered for at least 1 course

Post-conditions: None

User Intention

System Responsibility

Self identification

Verifies the student's identity
Verifies the student's registration in the class

Select courses and grades

Confirm the student's identity
Select the corresponding courses and grades
Display the courses and grades

Change password

Pre-conditions:

the student is enrolled in the university so he/she has a student account

Post-conditions: None

User Intention

System Responsibility

Log in to his/her account

Verifies the student's identity

Change his/her password

Display the old password
Display a form to let the user enter the new password
Update the password

View restrictions

Pre-conditions:

the student is enrolled in the university

Post-conditions: None

User Intention	System Responsibility
Log in to his/her account	Verifies the student's identity
View his/her restriction	Display the restrictions in the student's account

Browse course offering

Pre-conditions:

the student is enrolled in the university

Post-conditions: None

User Intention	System Responsibility
Browse course offering in a quarter	Validate the quarter the student choose Display the course offered for the given quarter
Search for a course by an attribute	Validate the user input Search for courses that satisfy the users' requirements Display the search result

Search for a course

Pre-conditions:

the student is enrolled in the university

Post-conditions: None

User Intention	System Responsibility
Validate input	Validate the student identity Validate the user input
Search for a course by an attribute	Search for courses that satisfy the users' requirements Display the search result

Instructor

View current/past rosters of registered student

Pre-conditions:

the student is enrolled in the university

Post-conditions: None

User Intention	System Responsibility
Select a student and a quarter	Validate the quarter and the student selected Search for the roster for the student in the given quarter
View/print the roster	Display the roster Print the roster

Edit current/past rosters of registered student

Pre-conditions:

the student is enrolled in the university

Post-conditions: None

User Intention	System Responsibility
Select a student and a quarter	Validate the quarter and the student selected Search for the roster for the student in the given quarter
edit the roster	Display the roster Confirm the roster and make changes Display the updated roster

Assign grades for students

Pre-conditions:

the student is enrolled in the university and the student is registered for the course
the instructor is teaching the class

Post-conditions: None

User Intention	System Responsibility
Select the student	Verifies the instructor's identity Pull up the student's roster from the system
Assign grades for the student	Verifies the students' information Take input from the instructor and assign the grade to the student Verifies the change and send confirmation

Change already assigned grades

Pre-conditions:

the student is enrolled in the university and the student is registered for the course
the instructor is teaching the class

Post-conditions: None

User Intention	System Responsibility
Select the student	Verifies the instructor's identity Pull up the student's roster from the system
Change assigned grades	Verifies the students' information Display the student's old grade Take input from the instructor and assign the grade to the student

Verifies the change and send confirmation

Send email to registered students

Pre-conditions: The instructor is teaching the course

Post-conditions: None

User Intention	System Responsibility
----------------	-----------------------

Send emails to registered students	
------------------------------------	--

	Verifies the instructor's identity
--	------------------------------------

	Get the student lists
--	-----------------------

	Get the students' email addresses from their account
--	--

	Send emails to the emails addresses
--	-------------------------------------

Approve or deny requests for registration

Pre-conditions: The instructor is teaching the course

Post-conditions: None

User Intention	System Responsibility
----------------	-----------------------

Verify the requests	
---------------------	--

	Verifies the instructor's identity
--	------------------------------------

	Verify the requests
--	---------------------

Approve or deny requests	
--------------------------	--

	Approve or deny based on the situation
--	--

	Confirm action
--	----------------

	Send feed back to student
--	---------------------------

Change password

Pre-conditions: None

Post-conditions: None

User Intention	System Responsibility
----------------	-----------------------

Log in to his/her account	
---------------------------	--

	Verifies the instructor's identity
--	------------------------------------

Change his/her password	
-------------------------	--

	Display the old password
--	--------------------------

	Display a form to let the user enter the new password
--	---

	Update the password in the system
--	-----------------------------------

View/print course list and room assignments

Pre-conditions: None

Post-conditions: None

User Intention	System Responsibility
----------------	-----------------------

Browse course offering in a quarter	
-------------------------------------	--

	Validate the quarter the instructor choose
--	--

	Display the course offered for the given quarter
--	--

	Display the room assignments for the courses
--	--

Admin

Process Course Registration

Pre-conditions:

the student is enrolled in the university

the student registered for at least 1 course

Post-conditions: None

User Intention	System Responsibility
Select the student	Find the student in the system by provided id Validate identity by id and password
Select the course	Find the course in the system Verify section availability
Confirmation	Confirm the course selection Update student roster Provide confirmation of successful registration

Block Student Registration

Pre-conditions:

the student is enrolled in the university

the student doesn't meet the prerequisites of the course

or the student has a restriction

Post-conditions: None

User Intention	System Responsibility
Select the student	Find the student in the system by provided id Validate identity by id and password Verify that the student meet the condition
Block Registration	Block the student's ability to register for a course

Enforce a lab section

Pre-conditions:

The course is offered in the current quarter

Post-conditions: None

User Intention	System Responsibility
Verify requirement	Find the course in the course listing Verify the requirement the lab section is necessary

Add lab section	Confirm the lab section time and location Add the lab section to the course
-----------------	--

Notify the student	
Pre-conditions: the student is enrolled in the university the student is registering for an overloading course	
Post-conditions: None	
User Intention	System Responsibility
Verify the condition	Find the student in the system by provided id Validate identity by id and password
Send the notification	Verify that the situation meets the need to send a notification Get the student's email and send the notification

Mark a course	
Pre-conditions: The course is offered in the current quarter The course is overloading-mark pending or requires consent-mark tentative	
Post-conditions: None	
User Intention	System Responsibility
Verify condition	Find the course in the system Verify the course has above condition
Mark the course	Put pending or tentative mark according to the given conditions

Edit/Delete/Add course	
Pre-conditions: Edit, Delete - The course is already offered in the current quarter Add - The course is not offered yet in the current quarter	
Post-conditions: None	
User Intention	System Responsibility
Verify requirement	Find the course in the course listing Verify the requirement, either edit, delete or add

Making changes to the course	
	Modify the course
	Update the courselisting
Edit/Delete/Add user	
Pre-conditions:	
Edit, Delete - user is already in the system	
Add - user is not in the system yet	
Post-conditions: None	
User Intention	System Responsibility
Verify requirement	Find the user in the system
	Verify the requirement, either edit, delete or add
Make changes to the user	Confirm requirements
	Modify the user account as needed
	Send user confirmation email