Log in

Use Case ID:	RA	
Use Case Name:	Register Account	
Date Created:	05/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	Registration for a new non-admin user account.
Preconditions:	1. The user's account must not exist in the database. 2. There must be an internet connection.
Postconditions:	1. A verification code must be sent to the user's email.
Priority:	High
Frequency of Use:	Once per lifetime
Flow of Events:	1. The user enters a valid email address, username, first name, last name, password 2. The system validates the password and confirms password fields are identical. 3. The system verifies the email format 4. The System will send verification code to the registered email address.
Alternative Flows:	-
Exceptions:	RA.EX.1: System detects mismatch between password and confirm password 1. System display error message. 2. Return to step 1. RA.EX.2: The user has not entered a valid email address 1. System display error message. 2. Return to step 1. RA.EX.3: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	Validate Account (VA)
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Log in

Use Case ID:	VA		
Use Case Name:	Validate Account		
Date Created:	05/09/22	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	System to validate the account availability and to verify the email using the verification code
Preconditions:	1. There must be an internet connection. 2. Account must not already exist in the database.
Postconditions:	1. The account's information is correct and in the wanted format 2. The user's account is added to the database
Priority:	High
Frequency of Use:	Once per lifetime
Flow of Events:	1. The system will check the verification code 2. System will validate the account availability in the database. 3. System will create the account in the database.
Alternative Flows:	-

Exceptions:	VA.EX.1: System detects that the user account already existed in the database.
	    1. System will display error message
	    2. The user will need to enter a new username/email.
	    3. The user can select the register button to re-attempt registration.
	    4. Return to step 1.
	 VA.EX.1: The verification code is wrong.
	    1. System will display error message
	    2. Give 2 more attempts to enter the code
	    3. If all attempts are incorrect, return to step 1
	 VA.EX.3: No internet connection:
	    1. The system displays an error message
	    2. The system waits for an internet connection

Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Log in

Use Case ID:	LI		
Use Case Name:	Log In		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users & Admin Users
Description:	The system checks if the user is in the database and if their credentials are correct, and lets them access the application with access to the functionality that requires an account
Preconditions:	1. There must be an internet connection 2. The user must be registered to log in
Postconditions:	1. The user enters the application and accesses all the functionality that requires a previously registered account
Priority:	High
Frequency of Use:	0-20 times per day
Flow of Events:	1. The user enters their credentials 2. The system check if the user is registered 3. The system lets the user in if they are registered

Alternative Flows:	LI.AC.1: The user that logs in is an Admin User
	   1. The user enters their admin credentials
	   2. The user accesses the admin page of the application
	LI.AC.2: The user does not want to log in:
	   1. The users clicks on the skip button
	   2. The user accesses only the map functionality of the application

Exceptions:	LI.EX.1: The user's credentials are incorrect:
	   1. An error message is displayed to the user
	   2. The user is returned to step 1
	LI.EX.2: No internet connection:
	   1. The system displays an error message
	   2. The system waits for an internet connection

Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Maps

Use Case ID:	M		
Use Case Name:	Open SCSE Map		
Date Created:	05/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	System to show the SCSE floor map.
Preconditions:	1. There must be an internet connection
Postconditions:	2. The map must show the layout of the first floor by default. 3. The map of the SCSE must contain the layouts of the different floors.
Priority:	High
Frequency of Use:	0-10 times per day
Flow of Events:	1. The user passes the login (either skips or logs in) 2. The system displays the layout of the first floor by default.
Alternative Flows:	-
Exceptions:	M.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Maps

Use Case ID:	N		
Use Case Name:	Navigate		
Date Created:	05/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The system must be able to navigate the user when the user enters a start location and a destination.
Preconditions:	1. There must be an internet connection. 2. The entered rooms must exist
Postconditions:	1. The system must show the user an overview of the shortest way to the destination 2. The system must wait until the user confirms they want to start the navigation process 3. The system must navigate the user via the shortest way 4. The system must show a complete path of 360-degree photos to the final destination 5. The system must mark the door of the final destination with a highlighted rectangle.
Priority:	High
Frequency of Use:	0-20 times a day
Flow of Events:	1. The user enters a start location 2. The user searched for a destination location 3. The system shows an overview of the shortest path 4. The user confirms the path 5. The system shows the path in 360-degree photos 6. The system highlights the final destination's door
Alternative Flows:	N.AC.1: The user may only want to check the path to the destination, without navigating to it. 1. Enters the start location and the final destination 2. The user does not proceed to navigating (only looks at the path)
Exceptions:	N.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection N.EX.2: Either one of the start location or the final destination is not existing/found: 1. The system displays an error message 2. The system returns to step 1
Includes:	Search for a Room (SR) & Enter Start Location (SL)
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Maps

Use Case ID:	SL	
Use Case Name:	Enter Start Location	
Date Created:	05/09/2022	Date Last Updated: 06/09/2022

Actor:	Non-Admin Users
Description:	The user enters a valid room number/name and confirms if this is the room after seeing the overview location. This room is the start location.
Preconditions:	1. There must be an internet connection. 2. The entered room must exist
Postconditions:	1. The system must check if the room is found 2. The system will display an overview of where the entered room is at. 3. The user will be able to verify if this is actually his starting location (by clicking on a "Are you here?" button).
Priority:	High
Frequency of Use:	0-10 times a day
Flow of Events:	1. The user enters the room name/number in the Search bar. 2. The systems checks if the room exists 3. The system shows an overview of the room's location 4. User verifies that he is next to this room 5. The system waits for a destination room
Alternative Flows:	-
Exceptions:	SL.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection SL.EX.2: The entered room is not found: 1. The system displays and error message 2. The system returns to step 1
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Maps

Use Case ID:	SR		
Use Case Name:	Search for a Room		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The user searched a room by its name/number and if the room exists it is the final destination of the searched path. An overview of the path is presented to the user.
Preconditions:	1. There must be an internet connection. 2. A start location/room must be entered first 3. The entered room must exist
Postconditions:	1. The system must check if the room exists 2. Proceeds to Navigate(N) with correct start location and final destination
Priority:	High
Frequency of Use:	0-20 times a day
Flow of Events:	1. The user enters the room name/number in the Search bar. 2. The systems checks if the room exists 3. The system proceeds to Navigate(N) with correct start location and final destination
Alternative Flows:	-
Exceptions:	SR.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection SR.EX.2: The entered room is not found: 1. The system displays and error message 2. The system returns to step 1
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Course Review

Use Case ID:	CP	
Use Case Name:	Open Courses Page	
Date Created:	06/09/2022	Date Last Updated: 06/09/2022

Actor:	Non-Admin Users
Description:	The user should be able to access the courses page if they have a registered account, and interact with the different courses information.
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first
Postconditions:	1. The system must show the user all courses in ascending year of year, course code 2. The user must be able to enter any course page
Priority:	Medium
Frequency of Use:	0-20 times a day
Flow of Events:	1. The user is shown all the available courses 2. The user can enter whichever course page they want
Alternative Flows:	-
Exceptions:	CP.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Course Review

Use Case ID:	SC		
Use Case Name:	Search a Course		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The system must allow the user to search a course by its name, course code or the year it is taken in.
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first 3. Some courses with the searched information must exist
Postconditions:	1. The system must show only the courses that contain the searched information 2. The user should be able to enter any course page from the results from the search 3. The user should be able to sort the results from the search
Priority:	Medium
Frequency of Use:	0-20 times a day
Flow of Events:	1. The user enters the information that they want the course to contain 2. The user is shown all the courses that contain the information 3. The user can enter whichever course page they want from the results from the search
Alternative Flows:	-
Exceptions:	SC.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection SC.EX.2: No courses with the searched information: 1. The system displays a message to the user 2. The system returns to step 1
Includes:	Sort Search Result (SSR)
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Course Review

Use Case ID:	SSR		
Use Case Name:	Sort Search Result		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The system must allow the user to sort the result from the search of courses.
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first 3. There must be a result from the search
Postconditions:	1. The system must show the results from the search in a sorted order (ascending/descending) based on (year, code, name)
Priority:	Low
Frequency of Use:	1 time a day
Flow of Events:	1. The user selects the way they want the results to be sorted 2. The results are sorted in the wanted way
Alternative Flows:	SSR.AC.1: Default sorting: 1. By default the results will be sorted in ascending order based on their course code
Exceptions:	SSR.EX.1: No internet connection: 3. The system displays an error message 4. The system waits for an internet connection SSR.EX.2: No results from the search: 3. The system displays a message to the user 4. The system returns to step 1
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Course Review

Use Case ID:	OCP	
Use Case Name:	Open Specific Course Page	
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The system must show all reviews about the selected course to the user.
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first 3. A specific course must be selected
Postconditions:	1. The system must show all the reviews about the selected course
Priority:	Medium
Frequency of Use:	0-20 times a day
Flow of Events:	1. The user selects a course 2. The reviews about the selected course are shown
Alternative Flows:	-
Exceptions:	OCP.EX.1: No internet connection: 5. The system displays an error message 6. The system waits for an internet connection
Includes:	Sort Reviews(RS)
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Course Review

Use Case ID:	RS	
Use Case Name:	Sort Reviews	
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The system must allow the user to sort the reviews about a certain course
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first 3. A specific course must be selected
Postconditions:	1. The system must sort the reviews in descending order based on the date they are published on by default 2. The system must allow the user to choose how to sort the reviews (ascending, descending) (data published, numeric review grade)
Priority:	Low
Frequency of Use:	1 time a day
Flow of Events:	1. The user can choose how to sort the reviews 2. The reviews are shown in the sorted order
Alternative Flows:	-
Exceptions:	RS.EX.1: No internet connection: 7. The system displays an error message 8. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Course Review

Use Case ID:	PR		
Use Case Name:	Publish a Review		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The users must be able to publish reviews about a certain courses.

Preconditions:	1. There must be an internet connection.
	2. The user must log in into their account first
	3. A specific course must be selected
	4. The user should enter:
	    a. Numeric review grade
	    b. Text feedback (optional)
	    c. Date (auto-entered)
	    d. Name (optional)

Postconditions:	1. The review record must be included in the database 2. The review must be visible to the other users
Priority:	Medium
Frequency of Use:	0-10 times per semester
Flow of Events:	1. The user had selected a course 2. The user enters the required data 3. The user published the review 4. The review is visible to the other users under the specific course page
Alternative Flows:	-
Exceptions:	PR.EX.1: No internet connection: 1. The system displays and error message 2. The system waits for an internet connection PR.EX.1: Some required data is missing: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	OF		
Use Case Name:	Open Forum Page		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The user should be able to access the forum page if they have a registered account, and interact with the different topics' information.
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first
Postconditions:	1. The system must show the user all topics in descending order based on the date the last post in the topic was posted 2. The user must be able to enter any topic page
Priority:	Medium
Frequency of Use:	0-10 times a day
Flow of Events:	1. The user is shown all the available topics 2. The user can enter whichever course topic they want
Alternative Flows:	-
Exceptions:	OF.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	ST	
Use Case Name:	Suggest New Topic	
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The user should be able to suggest new topics, but before they are visible to all other users the suggested topics should be approved by an admin.

Preconditions:	1. There must be an internet connection.
	 2. The user must log in into their account first
	 3. The user has entered all the required data for a topic creation:
	     a. Name of the user that suggested it
	     b. Name of the topic

Postconditions:	1. The suggested topic should be inserted into the database 2. The suggested topic should wait for an approval 3. The suggested topic should not be visible for other users
Priority:	Medium
Frequency of Use:	1 time a month
Flow of Events:	1. The user should select to suggest a topic 2. The user should fill in the details about the topic 3. The suggested topic will be sent to the admins for approval 4. The user should wait until the topic is approved
Alternative Flows:	-
Exceptions:	ST.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection ST.EX.2: Not all the required data is entered: 1. The system should display a message 2. The system should return to step 1
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	TS		
Use Case Name:	Search a Topic		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The user should be able to search for a topic by its name or parts of it.
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first 3. The searched topic must exist
Postconditions:	1. The results containing parts of the searched information in their names should be presented to the user
Priority:	Medium
Frequency of Use:	0-10 times a day
Flow of Events:	1. The user can search for a topic by parts of its name 2. The results containing parts of the searched topic will be shown to the user
Alternative Flows:	-

Exceptions:	TS.EX.1: No internet connection:
	   3. The system displays an error message
	   4. The system waits for an internet connection
	TS.EX.2: No topic with the searched data in its name exists:
	   3. The system should display a message
	   4. The system should return to step 1

Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	SRTT	
Use Case Name:	Sort Topics	
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The user should be able to sort all of the topics in order (ascending, descending) based on their name, date created and number of posts in them
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first
Postconditions:	1. The topics should be presented in the wanted order
Priority:	Low
Frequency of Use:	1 time a day
Flow of Events:	1. The user chooses the order (ascending, descending) and based on what (name, date created, number of posts) the topics should be sorted 2. The topics are sorted in the specific manner
Alternative Flows:	-
Exceptions:	SRTT.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	OTP		
Use Case Name:	Open Specific Topic Page		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The system must show all posts about the selected topic to the user.
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first 3. A specific topic must be selected
Postconditions:	1. The system must show all the posts about the selected topic
Priority:	Medium
Frequency of Use:	10 times a day
Flow of Events:	1. The user selects a topic 2. The posts about the selected topic are shown
Alternative Flows:	-
Exceptions:	OTP.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	LP		
Use Case Name:	Like a Post		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The user should be able to like any post from a specific topic
Preconditions:	1. There must be an internet connection. 2. The user must log in into their account first 3. A specific topic must be selected
Postconditions:	1. The system must allow the user to like any of the posts from a specific topic 2. The likes of the post should be updated in the database 3. The likes count should be updated for other users
Priority:	Medium
Frequency of Use:	10 times a day
Flow of Events:	1. The user had selected a topic 2. The user goes through the posts 3. The should be able to like any post (many possible too)
Alternative Flows:	-
Exceptions:	LP.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	PC	
Use Case Name:	Comments on a Post	
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Non-Admin Users
Description:	The user should be able to comment on any post from a specific topic.

Preconditions:	1. There must be an internet connection.
	2. The user must log in into their account first
	3. A specific topic must be selected
	4. The comment must consist of the required data:
	    a. Author's Name
	    b. Text Content
	    c. Date (auto–entered)

Postconditions:	1. The system must allow the user to comment on any of the posts from a specific topic 2. The comment record should be inserted in the database 3. The comment should be visible to other users 4. The system will display the latest comment on top of the discussion by default.
Priority:	Medium
Frequency of Use:	10 times a day
Flow of Events:	1. The user has selected a specific topic and a certain post in it 2. The user enters all the required data for a comment record 3. The user published the comment 4. The comment is visible to other users
Alternative Flows:	-
Exceptions:	PC.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection PC.EX.2: Not all the required data for a comment record is entered: 1. The system shows a message 2. The system returns to step 1
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	AT		
Use Case Name:	Approve Topic		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Admin Users
Description:	An admin user must be able to approve suggested topics.
Preconditions:	1. There must be an internet connection. 2. The admin user has successfully logged into his admin account 3. There must be some suggested topics
Postconditions:	1. The topic will be marked as approved by an admin 2. The topic will be visible to the other users on the topics page
Priority:	Medium
Frequency of Use:	0-5 times a day
Flow of Events:	1. The admin selects "Approve Topic" 2. The admin previews the topic if it is relevant and its content does not violate the app regulations 3. The admin approves the topic
Alternative Flows:	-
Exceptions:	AT.EX.1: No internet connection: 1. The system displays an error message 2. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Forum

Use Case ID:	DIC		
Use Case Name:	Delete Inappropriate Content		
Date Created:	06/09/2022	Date Last Updated:	06/09/2022

Actor:	Admin Users
Description:	An admin user must be able to delete any type of content if it violates the fuels of the application.
Preconditions:	1. There must be an internet connection. 2. The admin user has successfully logged into his admin account 3. There must be some content(suggested topics, comments, etc.) to be deleted
Postconditions:	1. The content will be marked as deleted 2. The content record must be removed from the database
Priority:	Medium
Frequency of Use:	0-5 times a day
Flow of Events:	1. The admin selects "Delete Content" 2. The admin deletes a specific content 3. The content is deleted from the database and not visible for the users anymore
Alternative Flows:	-
Exceptions:	DIC.EX.1: No internet connection: 3. The system displays an error message 4. The system waits for an internet connection
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-