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Know Your Subject

An app for everything you need to know about your courses.

Presented By: Team 2

CSE 5324: Software Engineering Analysis, Design and Testing

The University Of Texas, Arlington

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Requirements

1. Functional Requirements

R1. Register and update profile

R1.1 Application shall allow a new user to register and create profile.

R1.2 Application shall allow existing user to update profile information after creation.

R2. Login and logout

R.2.1 Application shall allow user to login using user id and password.

R.2.2 Application shall allow a login user to logout from the application whenever required.

R.2.3 Application shall allow admin user to login using admin credentials.

R.2.4 Application shall allow new user to login as a guest.

R.2.5 Once login, application shall allow access to user without having to login every time, as long as user does not change or reset his password.

R3. Manage password.

R.3.1 Reset password

R.3.1.1 Application shall allow user to retrieve password using forgot password option.

R.3.2 Change password

R.3.2.1 Application shall allow login user to change password.

R.3.3 Application shall store login user's password in an encrypted format.

R4. View departmental information

R.4.1 Application shall allow user to view different disciplines.

R.4.2 Application shall allow user to view different departments under each discipline.

R.4.3 Application shall allow user to view majors under each department.

R.4.4 Application shall allow user to view courses under each major.

R5. Course feedback and overall rating

R.5.1 Application shall allow user to view feedback for courses.

R.5.2 Application shall allow login user to provide feedback for courses.

R.5.3 Application shall allow login user to delete his own feedback for courses.

R.5.4 Application shall allow login user to update his own feedback.

R.5.5 Application shall not allow guest user to add, delete, and update feedback.

R.5.6 Application shall allow login user to mark feedback as helpful, not helpful, and spam.

R.5.7 Application shall not allow guest user to mark feedbacks.

R.5.8 Application shall allow user to sort feedback based on criteria's like newest first, highest rated first, lowest rated first and helpfulness.

R.5.9 Application shall display list of login user's own feedback on the home page.

R.5.10 On course feedback screen, application shall display overall rating of any course, based on ratings given by users.

R.5.11 On course feedback screen, application shall display user's own feedback on top of feedback list.

R.5.12 Application shall not allow user to post multiple feedback for any course, but only one.

R.5.13 Application shall allow user to keep his identity confidential, when chosen the option for posting feedback anonymously.

R6. Search feedback information

R.6.1 Random search

R.6.1.1 Application shall allow user to search feedback by specifying random keyword as follows:

Search keyword	Search text	Search result
Any random keyword	"Artificial Intelligence"	List of feedback which contains "Artificial Intelligence" in any feedback field.

R.6.2 Advanced search

R.6.2.1 Application shall allow user to search feedbacks based on search criteria as follows:

Search criteria	Search text	Search result
By Course ID /Course name	CSE-5324/ Software Eng. (SE)	List of feedbacks for SE course
By Professor Name	John Robb	List of feedbacks which includes given professor name.
By Course ID /Course name & Professor Name	CSE-5324/ Software Eng. (SE) & John Robb	List of feedbacks which includes both course id/name and professor name.

R7. Admin rights

R.7.1 Application shall allow admin user to add, delete and update information about discipline, departments, majors, courses and professors.

R.7.2 Application shall allow admin user to delete any inappropriate feedback posted by user.

2. Non-Functional Requirements

2.1 Usability

R2.1.1 Application shall be user friendly and easy to use so that the user can access it without any help or training.

2.2 Performance

R.2.2.1 Application shall respond to user request in less than 10 seconds.

2.3 Availability

R.2.3.1 Application shall be available to users at all time, provided user is connected to the internet.

2.4 Flexibility

R.2.4.1 The Application shall support different screen sizes and resolutions.

R.2.4.2 The Application shall support portrait and landscape orientation.

3. Constraints

3.1 Scope Constraint:

Application shall cover the course information of The University Of Texas, Arlington.

3.2 Platform Constraint:

Application shall support devices with android version 4.0 and above.

3.3 Accessibility Constraint:

Application shall not be accessible when internet connection is not available.

List of Use Cases

UC1. Register

UC2. Update profile

UC3. Login

UC4. Logout

UC5. Reset password

UC6. Change password

UC7. View discipline Information

UC8. View department Information

UC9. View major Information

UC10. View course information and feedbacks

UC11. Manage discipline, departments, majors, courses and professors.

UC12. Manage feedbacks

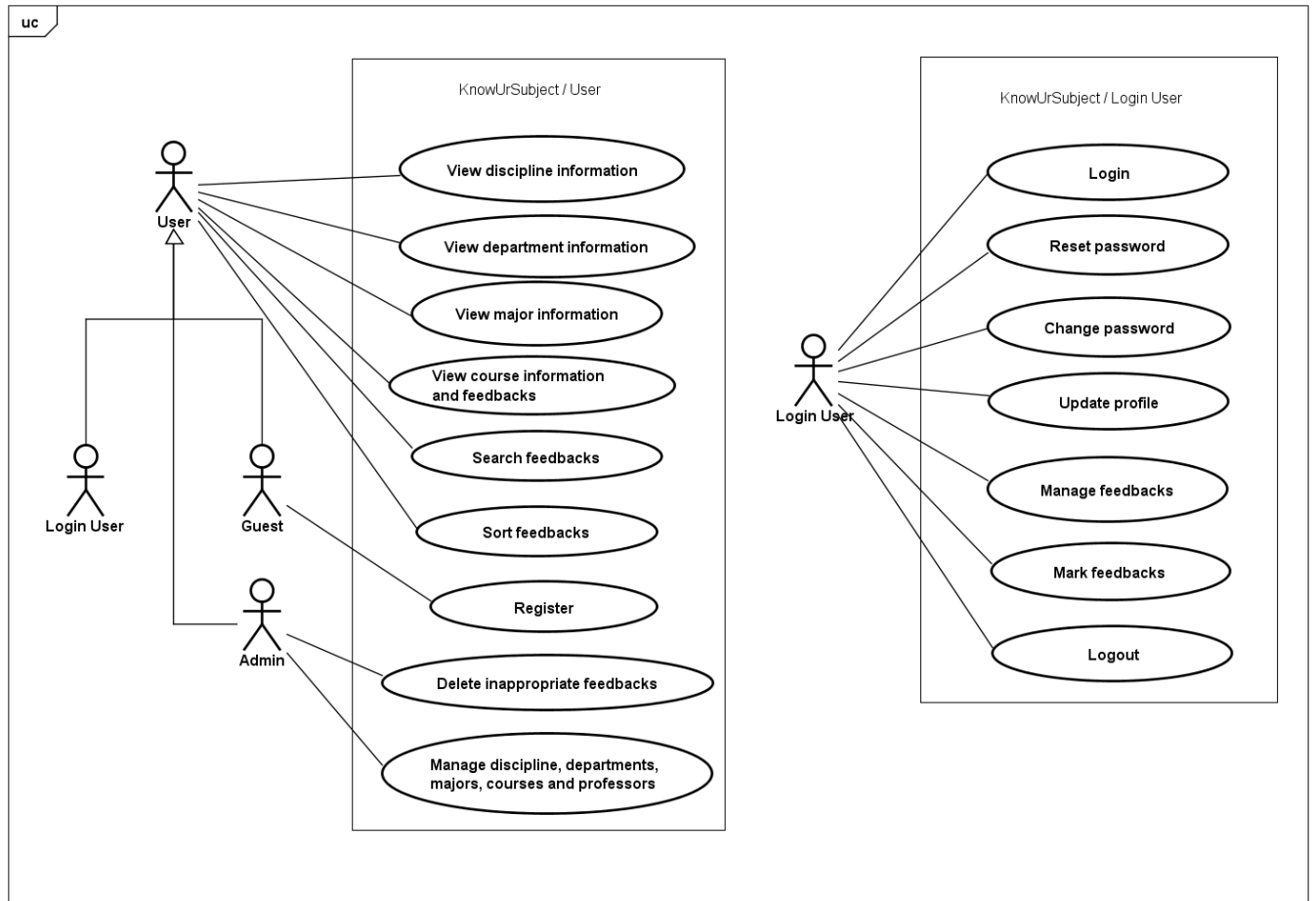
UC13. Search feedbacks

UC14. Mark feedbacks

UC15. Sort feedbacks

UC16. Delete inappropriate feedbacks

High Level Use Case Diagram



High Level Use Cases

UC 1. Register

- TUCBW user clicks on the sign up button available on login screen.
- TUCEW user sees the registration successful message and will be redirected to the home screen.

UC 2. Update profile

- TUCBW the login user clicks on profile button in settings screen.
- TUCEW user sees profile updated successfully message, and login user will be redirected to home screen.

UC 3. Login

- TUCBW the user enters email id or username and password and clicks on login button.
- TUCEW login user sees the home screen.

UC 4. Logout

- TUCBW the user clicks on the log out option available under action overflow in home screen.
- TUCEW user sees the login page.

UC 5. Reset password

- TUCBW login user clicks on forgot password button available on login screen.
- TUCEW login user sees password successfully reset message, and login user will be redirected to the login page.

UC 6. Change password

- TUCBW login user clicks on change password button available in edit profile screen.
- TUCEW login user sees password successfully changed message, and login user will be redirected to the login page.

UC 7. View discipline information

- TUCBW user selects specific discipline from the list of disciplines, available on navigation drawer.
- TUCEW user sees the list of departments under specific discipline on discipline screen.

UC 8. View department information

- TUCBW user selects specific department from the list of departments, available on discipline screen.
- TUCEW user will see the list of majors under specific department on department screen.

UC 9. View major information

- TUCBW user selects specific major from the list of majors.
- TUCEW on screen, user will see the list of courses under specific major on majors screen.

UC 10. View course information and feedbacks

- TUCBW user will click on specific course from the list of courses.
- TUCEW user will see course information and the feedbacks on the course screen.

UC 11. Manage discipline, departments, majors, courses and professors

- TUCBW
 - 11.1 admin user will click on add professor menu option available in navigation bar for adding new professor
 - 11.2 admin user will click on + icon present on respective screen of Department, Major and Course.
 - 11.3 admin user will click on add discipline menu option present on navigation drawer.
 - 11.4 admin user will click on manage menu option to edit, delete respective information regarding discipline, department, major, course, professor (e.g Manage Discipline menu option) present on navigation drawer.
- TUCEW admin user will be able to view the updated information list in their respective manage screens(e.g Manage Discipline screen).

UC 12. Manage feedbacks

- TUCBW login user clicks
 - 12.1 On Add if he/she wants to add the feedback
 - 12.2 On Update if he/she wants to update the feedback.
 - 12.3 On Delete if he/she wants to delete the feedback.
- TUCEW login user will see updated list of feedbacks.

UC 13. Search feedbacks

- TUCBW the user will click on search button available on top of every screen.
- TUCEW user sees list of searched feedback.

UC 14. Mark feedbacks

- TUCBW login user clicks on mark feedback button associated with each feedback.
- TUCEW login user see updated count for helpfulness/unhelpfulness for corresponding feedback.

UC 15. Sort feedbacks

- TUCBW user selects sorting option from dropdown menu, available above list of feedbacks.
- TUCEW user will see updated list of feedback.

UC 16. Delete inappropriate feedbacks

- TUCBW admin user selects corresponding UI element provided for deleting feedback, associated with each feedback.
- TUCEW admin user will see updated list of feedback.

Use Case Traceability Matrix

Note: Traceability matrix documents has been attached separately.

Task Assigned

#	Task	Assignee
1	Requirements	Lionel, Arjun
2	List of Use Cases	Pooja, Lionel
3	High Level Use Case Diagram	Chen, Pooja
4	High Level Use Cases	Ishan, Pooja
5	Use Case Traceability Matrix	Arjun, Chen
6	Task Assigned	Hiral
7	Increment Matrix	Hiral, Ishan
8	Domain Model Diagram	Chen, Lionel
9	Design Class Diagram	Arjun, Lionel
10	Sequence Diagram	Chen, Lionel, Ishan, Hiral
11	Expanded Use cases	Hiral, Ishan
12	Expanded Use cases UI Prototypes	Hiral, Ishan, Pooja, Lionel
13	User Interface Screen Snapshots	Pooja, Arjun
14	Activity Diagram	Chen
15	Code	Lionel, Arjun, Pooja

Increment Matrix

Use Case	Priority	Effort (person-week)	Depends on	Iteration 1 (Due Date) 10/01/2015	Iteration 2 (Due Date) 11/03/2015	Iteration 3 (Due Date) 12/01/2015
UC1	4	0.5	None	0.5	-	-
UC2	4	1	UC3	1	-	-
UC3	4	0.5	UC1	-	0.5	-
UC4	4	0.5	UC3	-	0.5	-
UC5	3	0.5	UC1	-	0.5	-
UC6	3	0.5	UC3	-	0.5	-
UC7	2	1	None	-	1	-
UC8	2	1	UC7	-	1	-
UC9	2	1	UC8	-	1	-
UC10	3	1	UC9, UC12	-	-	1
UC11	1	1	UC3	-	-	1
UC12	3	1	UC3, UC10	-	-	1
UC13	2	1	None	-	-	1
UC14	3	0.5	UC3, UC12	-	-	0.5
UC15	3	0.5	UC3, UC10, UC12	-	-	0.5
UC16	1	0.5	UC14	-	-	0.5
Total Effort		12		1.5	5	5.5

Expanded Use Cases with UI Prototype

UC 1: Register	
Pre-condition- Guest needs to have a valid email id.	
Actor: Guest	System: KYS
	(0)The system shows login screen to the user (See in figure 1)
(1)TUCBW user clicks on the sign up button available on login screen.	(2)System shows the create profile screen to the user (See in figure 2)
(3)User enters all the mandatory details in the create profile screen and clicks on register button.	(4)System validates the information and sends “Registration Successful” message to user.
(5)TUCEW user sees the registration successful message and will be redirected to the home screen.	
Post-condition- The user will now be able to login into the system with registered email id or username and password.	

Figure 1: Login Screen

The login screen features a blue background with a central illustration of a person at a computer. Below the illustration, there are two input fields labeled 'User name or Email ID' and 'Password'. A 'Forgot Password ?' link is positioned below the password field. A prominent 'Login' button is centered below the input fields. At the bottom of the screen, there are two buttons: 'Sign Up' and 'Guest User'.

Figure 2: Registration Screen

The registration screen has a white background with a blue header bar containing a back arrow and the title 'Create Profile'. The form includes several input fields: '*First Name', 'Last Name', '*User Name', '*Password', '*Re-Password:', '*Email Id:', 'DOB:', '*Securty Question:' (with a dropdown arrow), '*Answer:', '*Major:', 'Contact:', and 'Zip Code:'. A large blue 'Register' button is located at the bottom right of the form.

UC 2: Update profile	
Pre-condition- The user must be logged in to the system.	
Actor: Login User	System: KYS
	(0)The system shows the settings screen. (See in Figure 3)
(1) TUCBW the login user clicks on profile button in settings screen.	(2)System shows the update profile screen with edit icon in front of all the fields that can be edited(See in figure 4)
(3)The user clicks on edit icon for the individual fields and edits the fields to be updated and clicks on update button.	(4)The system validates the information and sends the message “Profile updated successfully” to user.
(5)TUCEW user sees profile updated successfully message, and login user will be redirected to home screen.	
Post-condition- The user will now be able to view the updated profile.	

Figure 3: Settings Screen

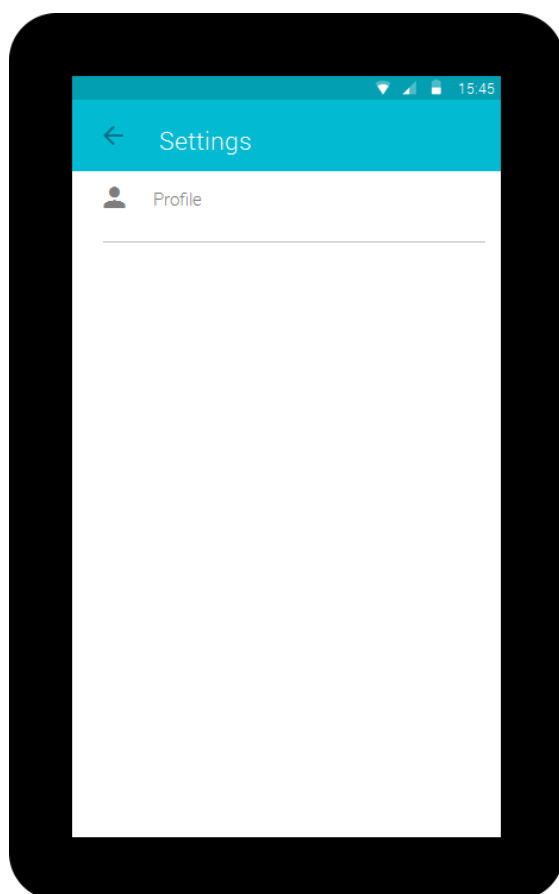
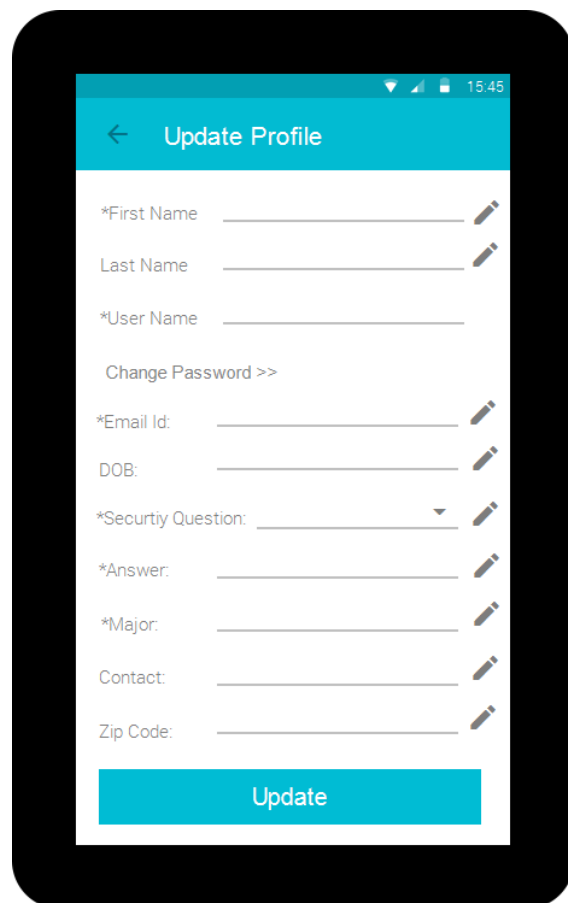


Figure 4: Update Profile Screen



UC 3: Login	
Pre-condition- User needs to have valid login credentials	
Actor: Login User	System: KYS
	(0)The system shows login screen to the user(See in figure 5)
(1)TUCBW the user enters email id or username and password and clicks on login button.	(2)System displays home screen to the user(See in figure 6)
(3)TUCEW login user sees the home screen.	
Post-condition- The user will be logged in to the system.	

Figure 5: Login Screen

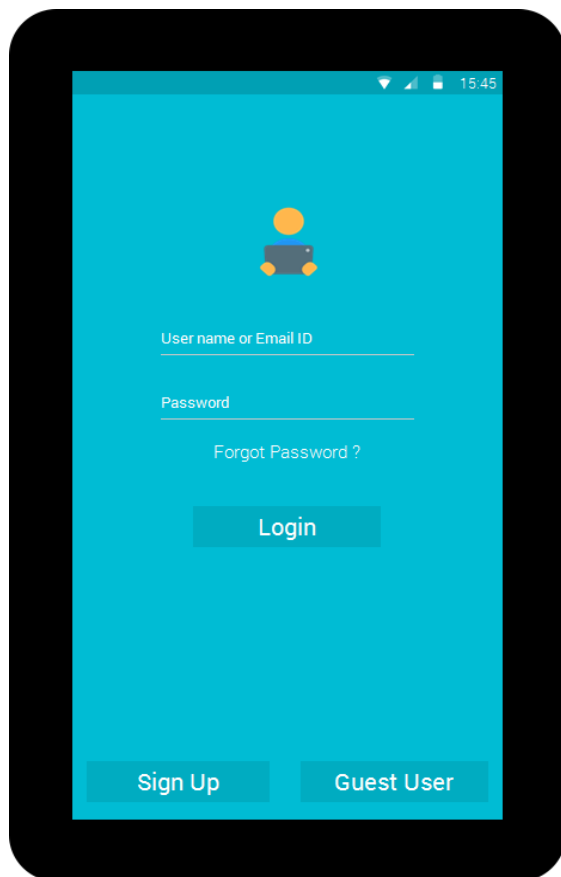
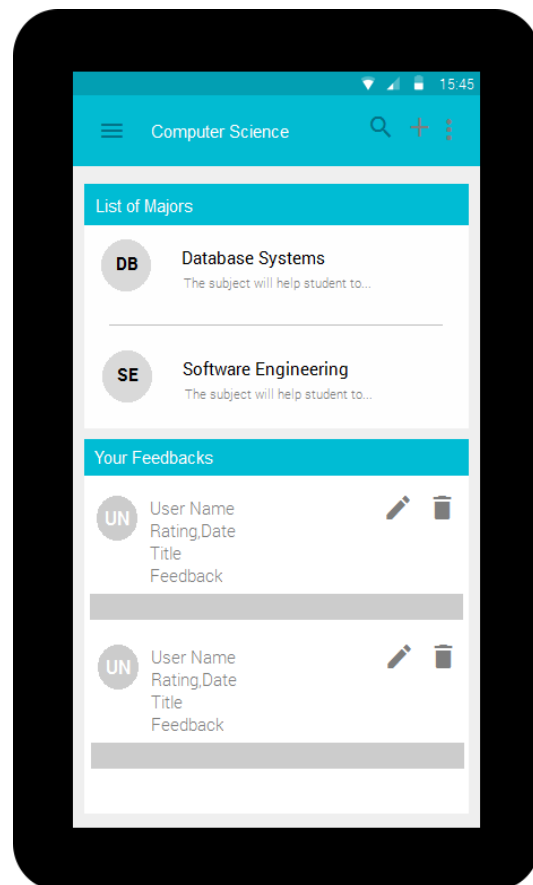


Figure 6: Home Screen



Note:

- Home Screen is based on department of user.
- “+” sign on actionbar in the screens will be present only for admin for adding department, major, course information

UC 4: Logout	
Pre-condition- User should be already logged in into the app	
Actor: Login User	System: KYS
	(0)The system shows home screen(see in figure 7)
(1) TUCBW the user clicks on the log out option available under action overflow in home screen.	(2)System sends "Are you sure want to logout" pop up confirmation message.(see in figure 8)
(3) The login user clicks ok button on confirmation pop up message.	(4)System logs out the user from the application and redirects the user to the login page.
(5)TUCEW the user sees the login page.	
Post-condition- The user is logged out.	

Figure 7: Home Screen

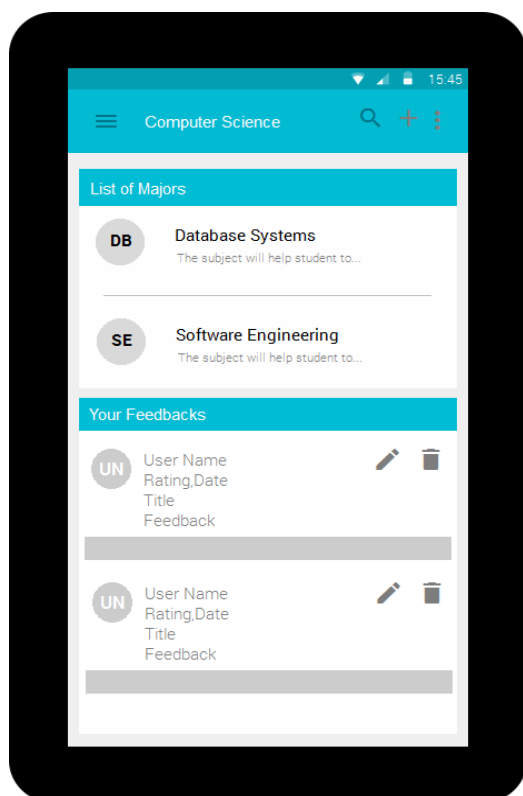
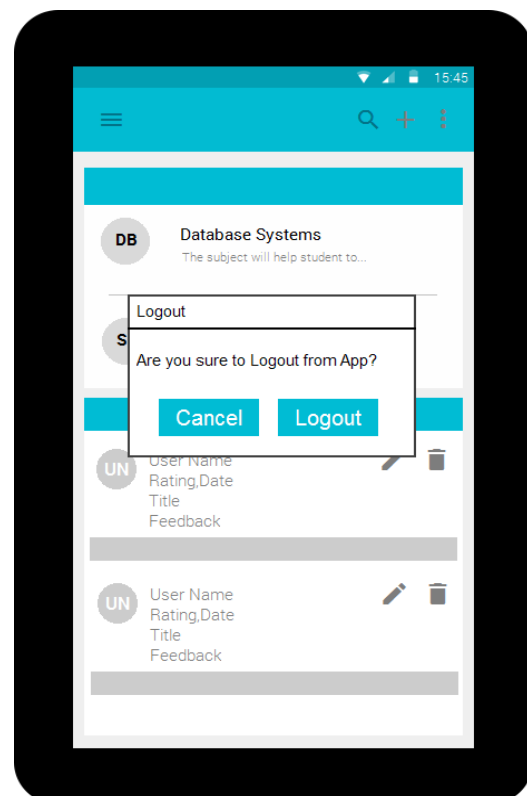


Figure 8: Delete Confirmation



UC 5: Reset password	
Pre-condition- The user must be registered in the application.	
Actor: Login User	System: KYS
	(0) The system displays the login screen.
(1) TUCBW login user clicks on forgot password button available on login screen.	(2) The system displays the forgot password screen(see in figure 9)
(3) The login user enters the email id, answers security question, information on forgot password screen and clicks on send code button.	(4) The system validates the information and sends a code to login user's email id.
(5) The login user enters the code and clicks on submit button on forgot password screen.	(6) The system validates the information and redirects the login user to the reset password screen. (see in figure 10)
(7) The login user enters new password and confirm password on reset password screen and clicks on reset button.	(8) The system validates the information and sends message password successfully reset.
(9) TUCEW login user sees password successfully reset message, and login user will be redirected to the login page.	
Post-condition – The user will be able to login in the system using the new password.	

Figure 9: Forget Password Screen

Figure 10: Reset Password Screen

UC 6: Change password	
Pre-condition- The user must be logged in to the system and should be on the 'Update Profile' screen.	
Actor: Login User	System: KYS
	(0) The system displays the edit profile screen.(see in figure 11)
(1) TUCBW login user clicks on change password button available in edit profile screen.	(2) The system displays the change password screen(see in figure 12)
(3) The login user enters the current password, new password, confirm password on change password screen and clicks on change button.	(4) The system validates the information and sends message password successfully changed.
(5) TUCEW login user sees password successfully changed message, and login user will be redirected to the login page.	
Post-condition – The user will be able to login in the system using the new password.	

Figure 11: Edit Profile Screen

Figure 12: Change Password Screen

UC 7: View discipline information	
Pre-condition- User must install the application on android phone.	
Actor: User	System: KYS
	(0) The system displays the options present in navigation drawer in the home screen(see in figure 13)
(1) TUCBW user selects specific discipline from the list of disciplines, available on navigation drawer.	(2) The system displays the discipline screen(see in figure 14)
(3) TUCEW user sees the list of departments under specific discipline on discipline screen.	
Post-condition – The user will be able to view different departments in a discipline.	

Figure 13: Navigation Drawer Screen

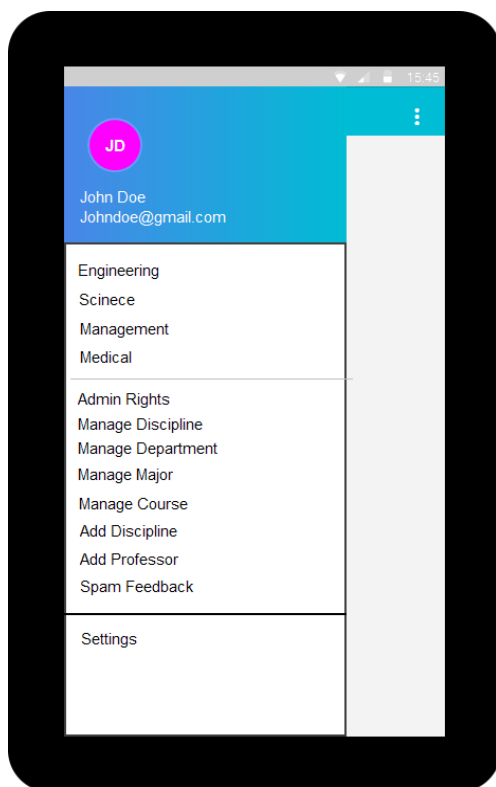
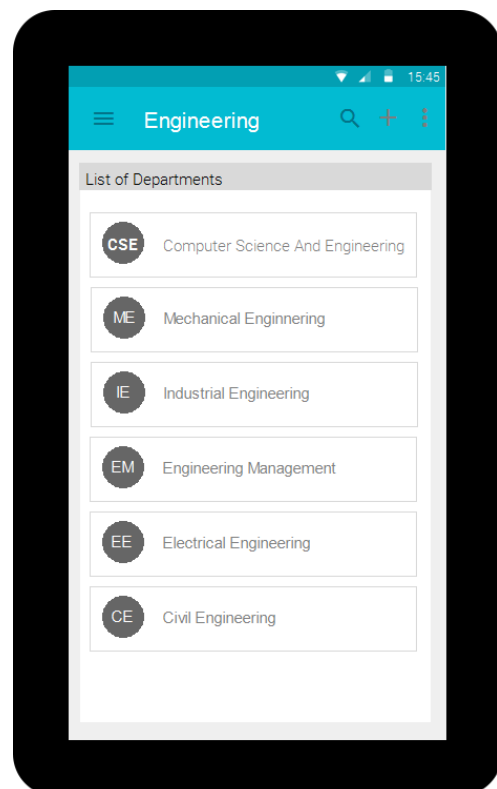


Figure 14: Discipline Screen



Note:

- “+” sign on actionbar in the screens will be present only for admin for adding department, major, course information.

UC 8: View department information	
Pre-condition- User must install the application on android phone and must be on 'Discipline' screen.	
Actor: User	System: KYS
	(0) The system displays the discipline screen(see in figure 15)
(1)TUCBW user selects specific department from the list of departments, available on discipline screen.	(2) The system displays the department screen(see in figure 16)
(3) TUCEW user will see the list of majors under specific department on department screen.	
Post-condition – The user will be able to view different majors in a department.	

Figure 15: Discipline Screen

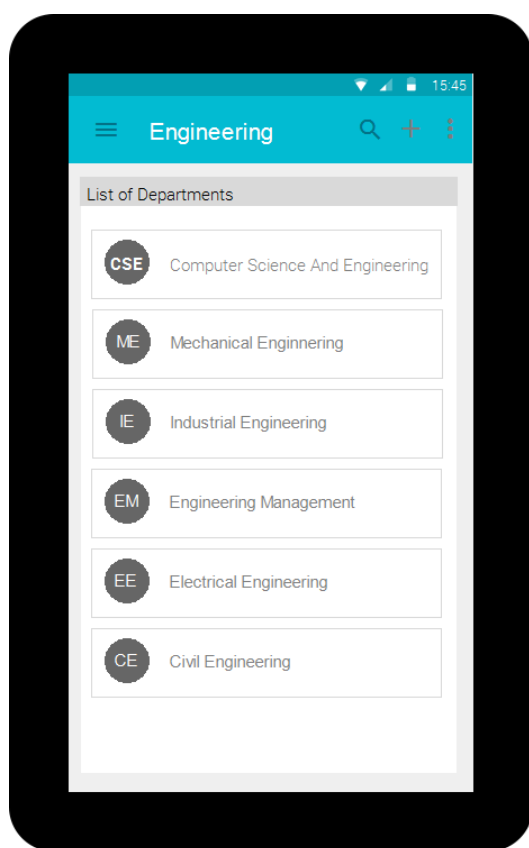
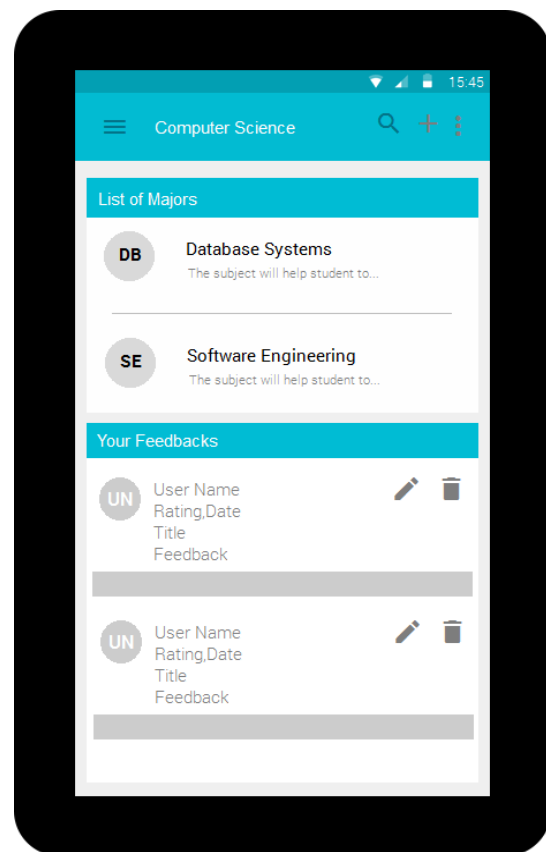


Figure 16: Department Screen



Note:

- “+” sign on actionbar in the screens will be present only for admin for adding department, major, course information.

UC 9: View major information	
Pre-condition- User must install the application on android phone and must be on 'Department' screen.	
Actor: User	System: KYS
	(0)The system displays the department screen(see in figure 17)
(1)TUCBW The user selects specific major from the list of majors.	(2)The system displays the Majors screen (see in figure 18)
(3)TUCEW user will see the list of courses under specific major on majors screen.	
Post-condition- The user will be able to view different courses in a majors.	

Figure 17: Department Screen

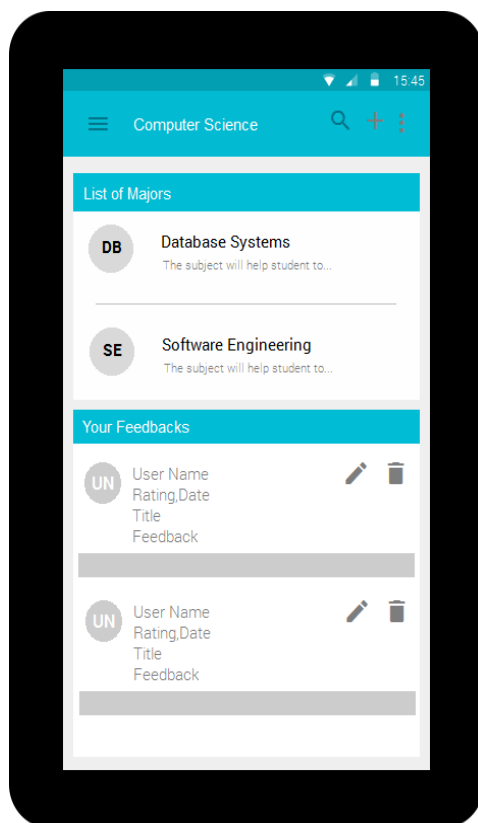
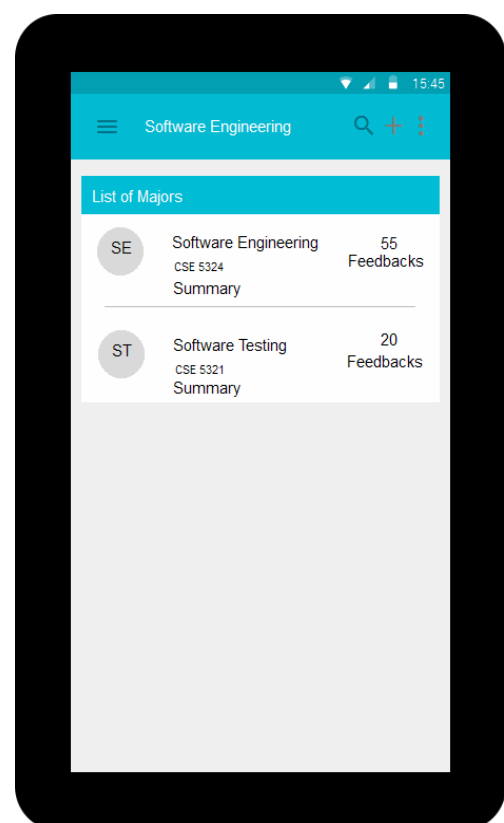


Figure 18: Majors Screen



Note:

- “+” sign on actionbar in the screens will be present only for admin for adding department, major, course information.

UC 10: View course information and feedbacks	
Pre-condition- User must install the application on android phone and must be on Majors Screen	
Actor: User	System: KYS
	(0)The system displays the Majors screen(see in figure 19)
(1)TUCBW user will click on specific course from the list of courses.	(2)The system displays the course screen which has the course information and the feedbacks on that course (See in figure 20)
(3)TUCEW user will see course information and the feedbacks on the course screen.	
Post-condition- The user will be able to view course information along with the feedbacks on that course.	

Figures 19: Majors Screen

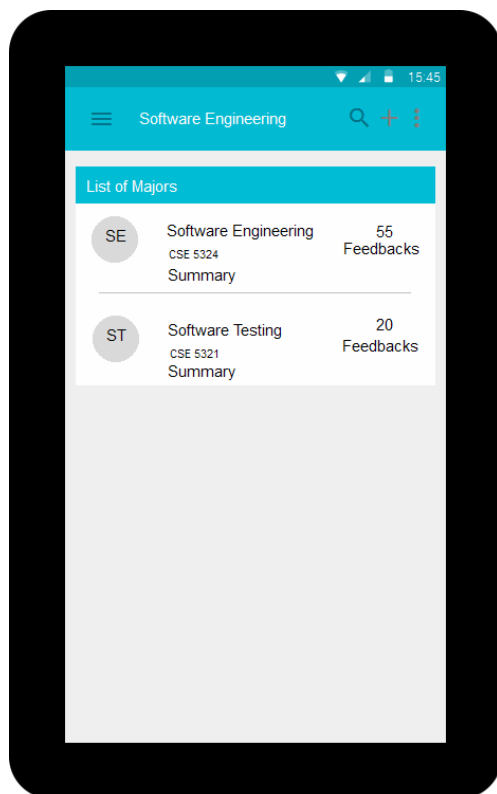
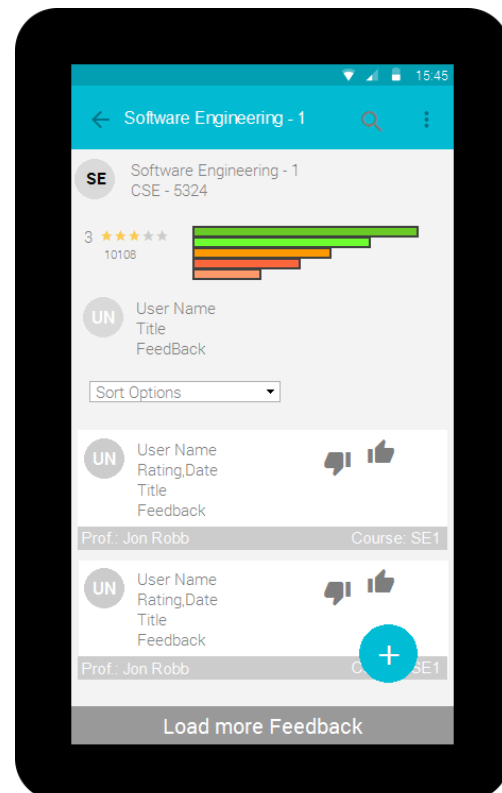


Figure 20: Course Screen



UC 11: Manage discipline, departments, majors, Courses Feedback and professors	
Pre-condition- User needs to have valid admin login credentials	
Actor: Admin User	System: KYS
	(0)The system shows home page to the user
<p>(1)TUCBW</p> <p>1.1 admin user will click on add professor menu option available in navigation bar for adding new professor</p> <p>1.2 admin user will click on + icon present on respective screen of department, major or course.</p> <p>1.3 admin user will click on add discipline menu option present on navigation drawer.</p> <p>1.4 admin user will click on manage menu option to edit, delete respective information regarding discipline, department, major, course, professor (e.g Manage Discipline menu option) present on navigation drawer.</p>	<p>(2)</p> <p>2.1 System displays appropriate add professor screen (see in figure 21)</p> <p>2.2 System displays add department, add major or add course screen to the admin user.(see in figure 23,24,25)</p> <p>2.3 System displays discipline screen to the admin user.(see in figure 22)</p> <p>2.4 System displays appropriate manage screen to the admin user.(e.g Manage Discipline screen)</p> <p>(see in figure 26,27,28,29,30)</p>
<p>(3)</p> <p>3.1 The user fills up all the details in the form and clicks on the save button present at the bottom of the professor screen.</p> <p>3.2 The user fills up all the details in the form and clicks on the save button present at the bottom of the department, discipline or course screen.</p> <p>3.3 The user fills up all the details in the form and clicks on the save button present at the bottom of the discipline screen.</p> <p>3.4 The user can click on edit option to edit information or delete option to delete the information.</p>	<p>(4) System validates the information and sends the updated information list to the admin user.</p>
<p>(5)TUCEW admin user will be able to view the updated information list in their respective manage screens.(e.g. Manage Discipline screen)</p>	
Post-condition- The Admin User will be able to add new discipline, department, major, course and professor.	

Note: Flow

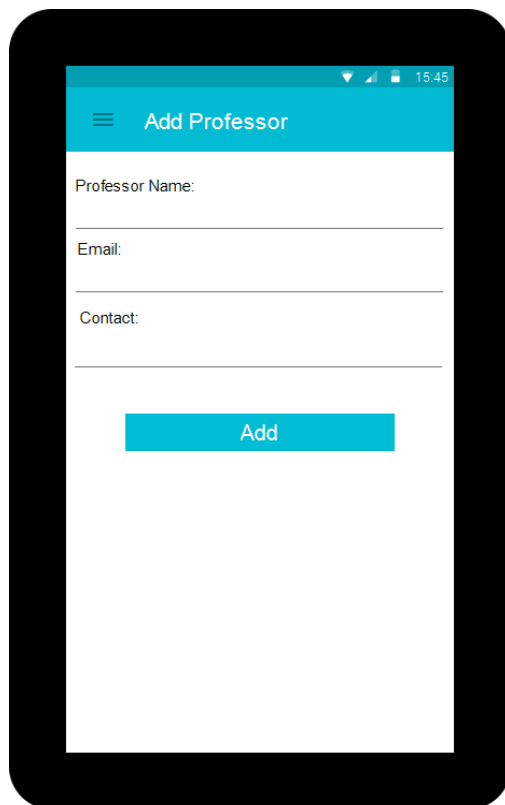
1.1 → 2.1 → 3.1 → 4 → 5

1.2 → 2.2 → 3.2 → 4 → 5

1.3 → 2.3 → 3.3 → 4 → 5

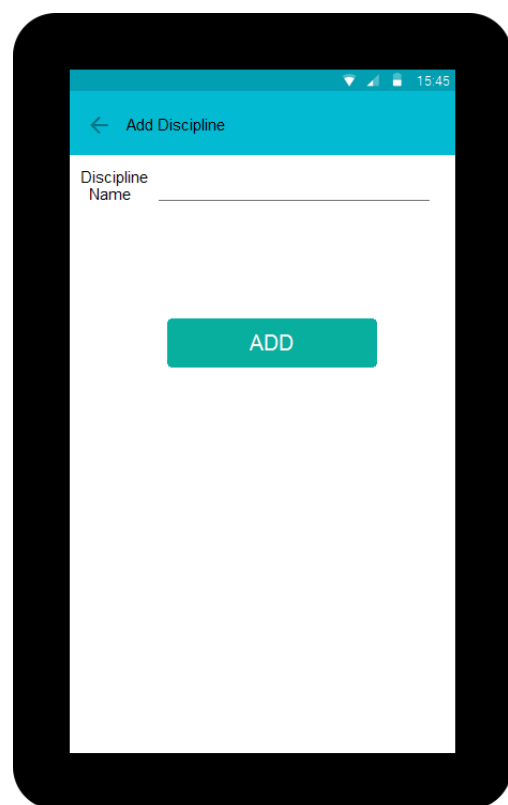
1.4 → 2.4 → 3.4 → 4 → 5

Figure 21: Add Professor Screen



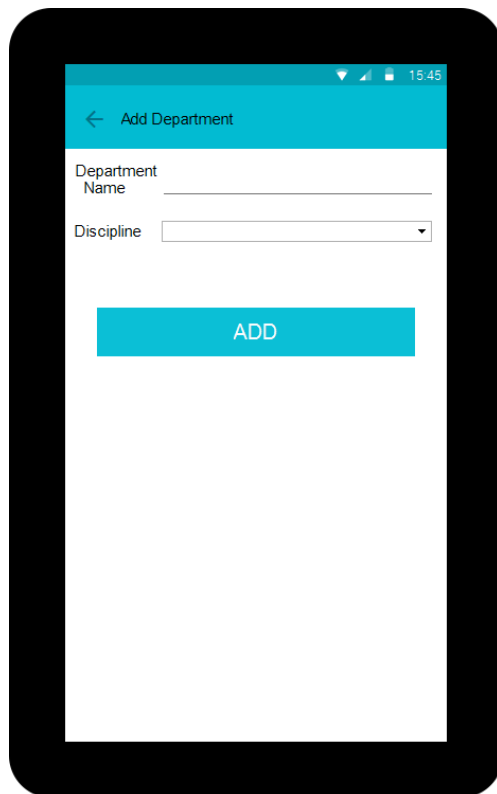
The 'Add Professor' screen features a teal header with a hamburger menu icon and the title 'Add Professor'. Below the header, there are three input fields labeled 'Professor Name:', 'Email:', and 'Contact:'. At the bottom of the screen, there is a teal button labeled 'Add'.

Figure 22: Add Discipline Screen



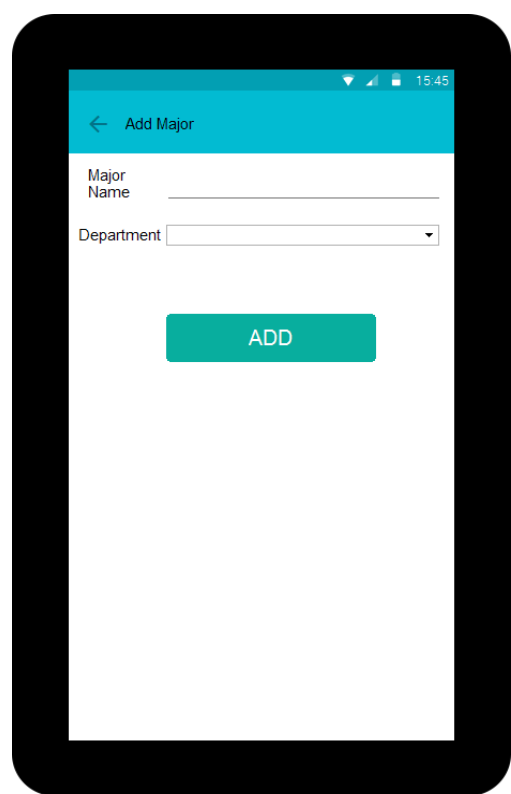
The 'Add Discipline' screen features a teal header with a back arrow icon and the title 'Add Discipline'. Below the header, there is a single input field labeled 'Discipline Name'. At the bottom of the screen, there is a teal button labeled 'ADD'.

Figure 23: Add Department Screen



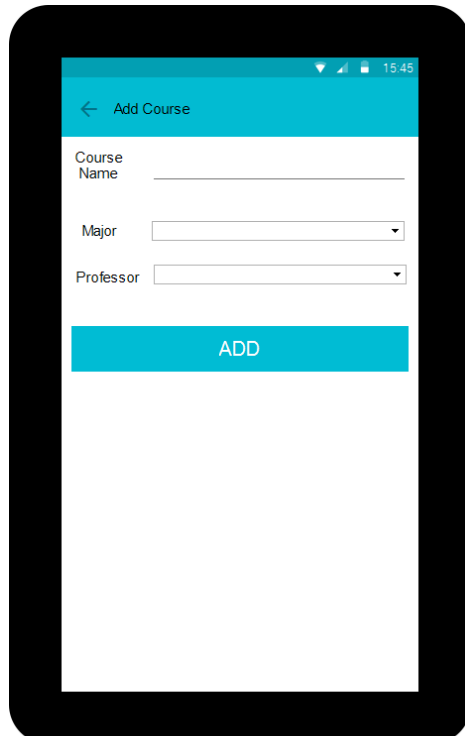
The Add Department screen features a teal header with a back arrow and the title "Add Department". Below the header, there is a text input field for "Department Name" and a dropdown menu for "Discipline". At the bottom, there is a teal button labeled "ADD".

Figure 24: Add Major Screen



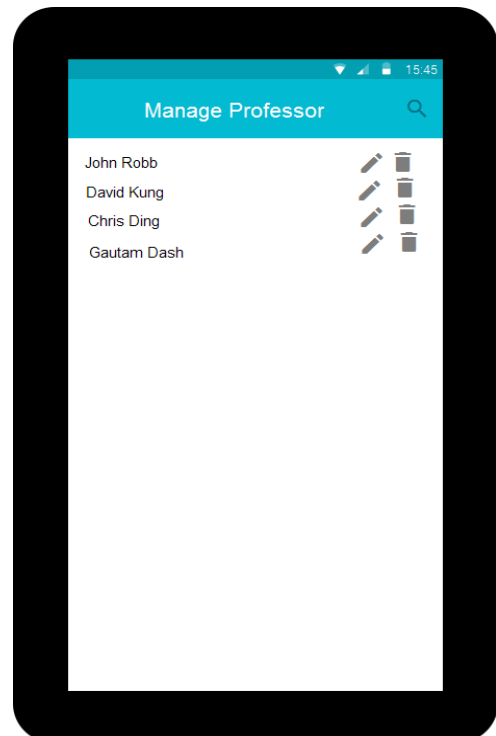
The Add Major screen features a teal header with a back arrow and the title "Add Major". Below the header, there is a text input field for "Major Name" and a dropdown menu for "Department". At the bottom, there is a teal button labeled "ADD".

Figure 25: Add Course Screen



The Add Course screen features a teal header with a back arrow and the title "Add Course". Below the header, there is a text input field for "Course Name", a dropdown menu for "Major", and a dropdown menu for "Professor". At the bottom, there is a teal button labeled "ADD".

Figure 26: Manage Professor



The Manage Professor screen features a teal header with the title "Manage Professor" and a search icon. Below the header, there is a list of professor names: John Robb, David Kung, Chris Ding, and Gautam Dash. To the right of each name are two icons: a pencil (edit) and a trash can (delete).

Figure 27: Manage Major

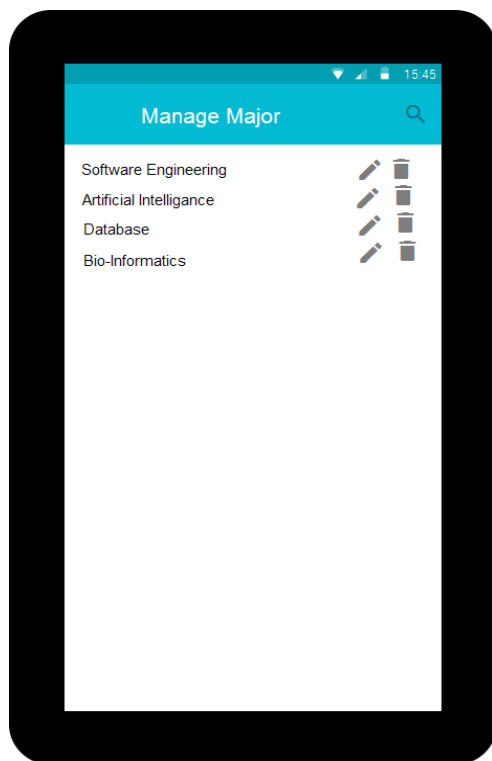


Figure 28: Manage Discipline

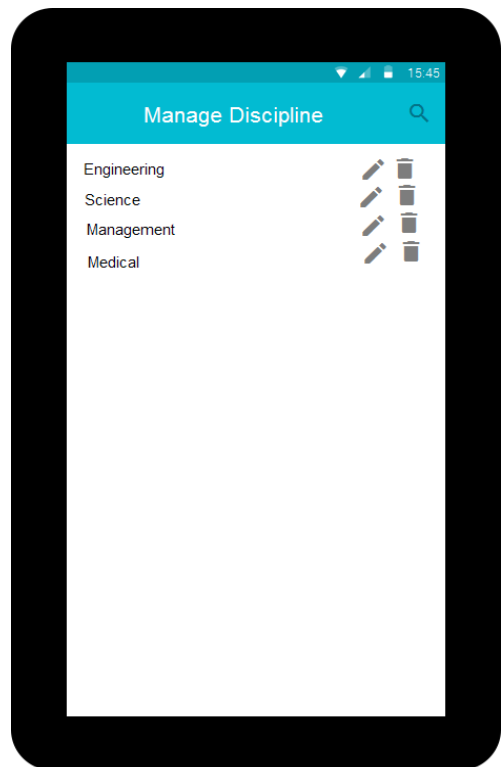


Figure 29: Manage Department

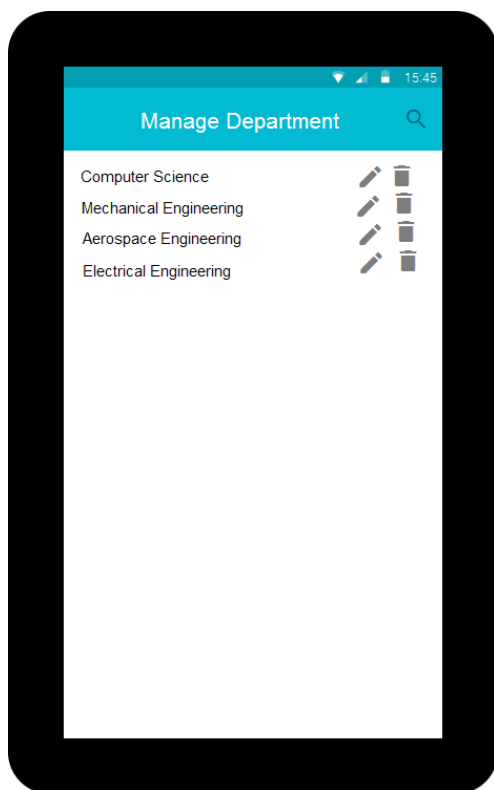
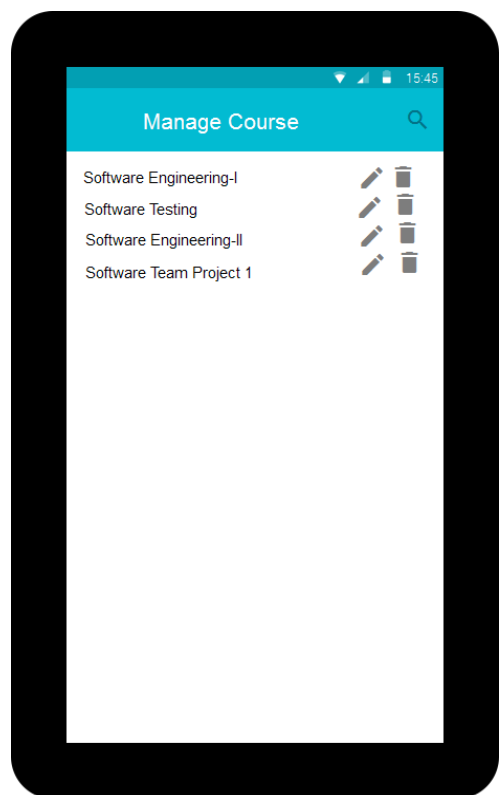


Figure 30: Manage Course



UC 12: Manage feedbacks	
Pre-condition- User should be already logged in into the App	
Actor: Login User	System: KYS
	(0)The system shows Course feedback screen to the login user(See in figure 31)
(1)TUCBW login user clicks 1.1On Add if he/she wants to add the feedback 1.2On Update if he/she wants to update the feedback. 1.3On Delete if he/she wants to delete the feedback.	(2)System 2.1 will display the add feedback pop up window to the user if add feedback is clicked (See in figure 32) 2.2 will allow user to update the feedback 2.3 will delete the feedback and sends message to user.
(3)User will now 3.1 Add the details into feedback form and click on Submit button 3.2 Update the feedback and will click on Update Button 3.3 Message will be shown to user about feedback deleted	(4) 4.1 System will save the new feedback and sends message to user. 4.2 System will save the updated feedback and sends message to user. 4.3 System will delete the feedback.
(5) TUCEW login user will see updated list of feedbacks.	
Post-condition- The login user sees the updated list of feedbacks as per the action taken.	

Note: Flow

1.1 → 2.1 →3.1 →4.1 →5

1.2 → 2.2 →3.2 →4.2 →5

1.3 → 2.3 →3.3 →4.3 →5

Figure 31: Course Screen

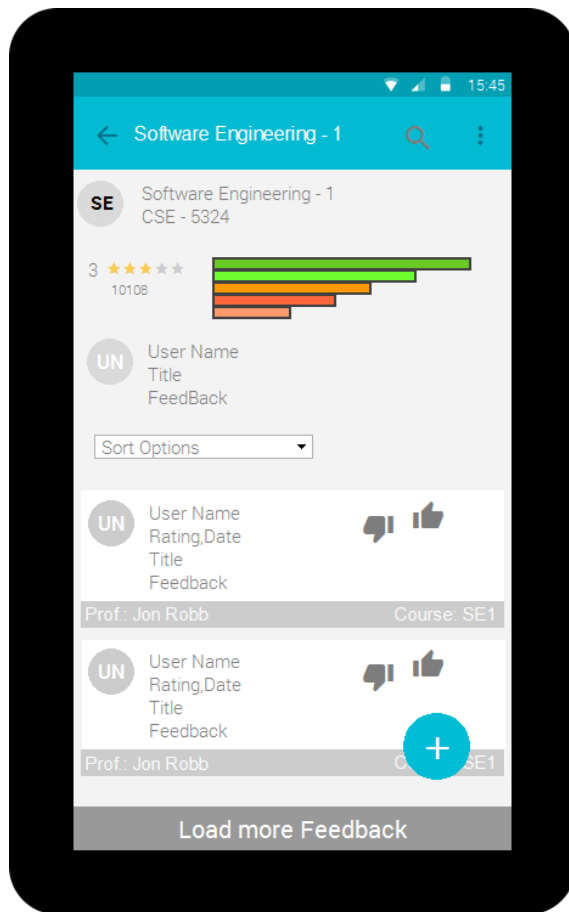
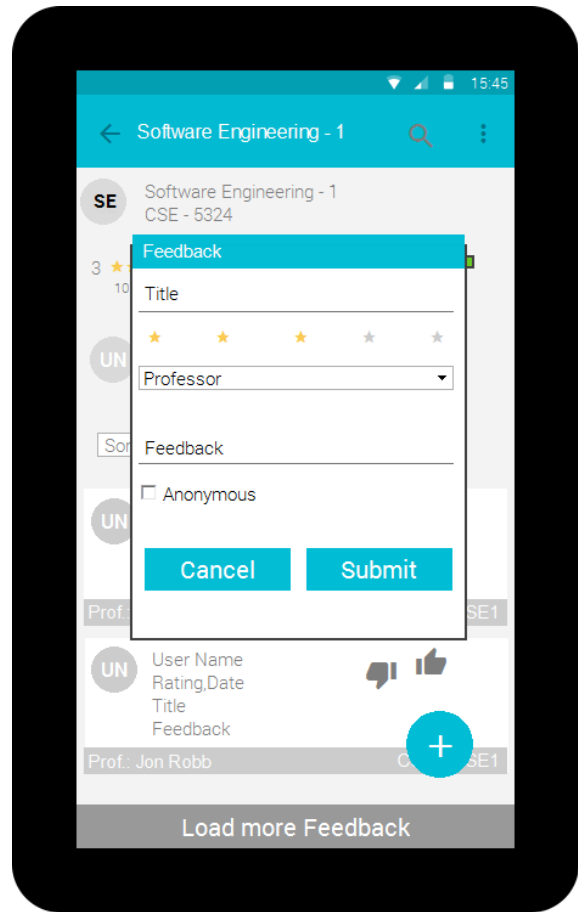


Figure 32: Add Feedback



UC13: Search Feedback	
Pre-condition- Feedback must be present in the application.	
Actor: User	System: KYS
	(0)System displays the search feedback option on a screen.(search feedback option is present on every screen)(see in figure 33)
(1)TUCBW the user will click on search button available on top of every screen.	(2) System displays the advance search page with dropdown menu of course and Professor.(see in figure 34)
(3)User selects the course as well as the Professor Name and clicks the “OK” Button.	(4)System validates the information and shows the course screen with searched feedbacks.
(5) TUCEW user sees list of searched feedback.	
Post-condition- The user sees the searched feedback.	

Figure 33: Department Screen

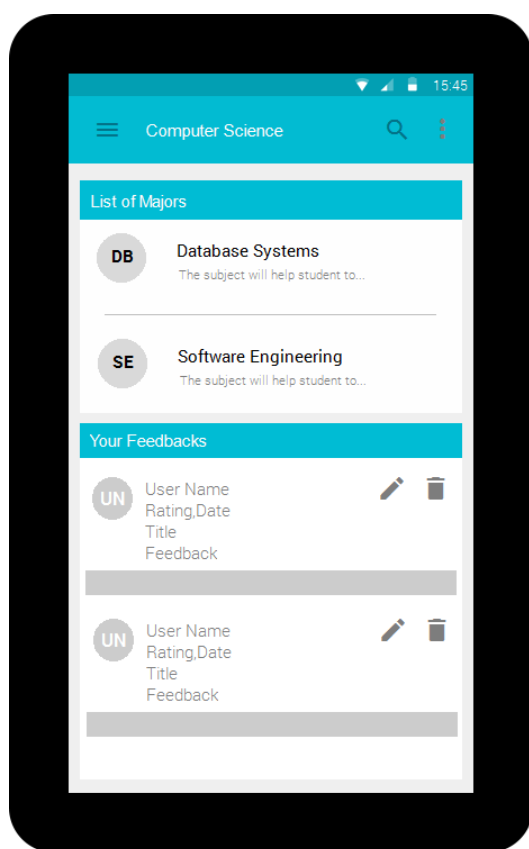
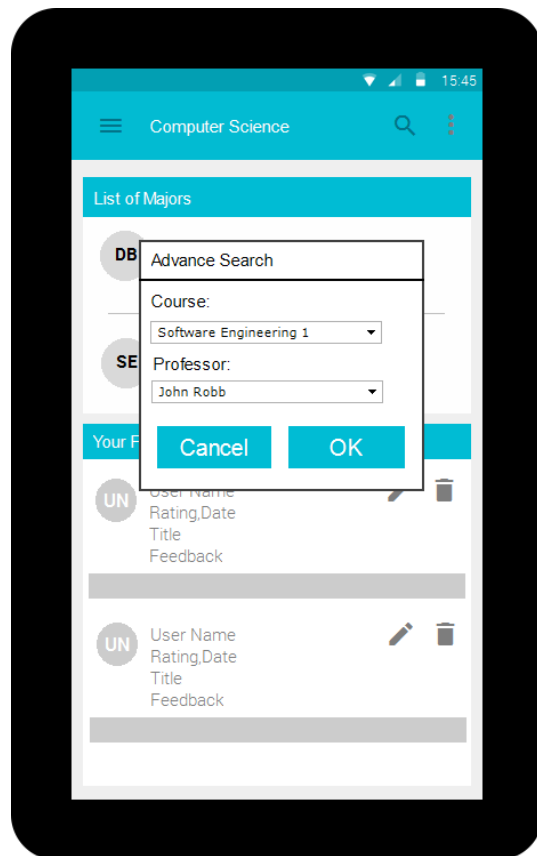


Figure 34: Advance Search

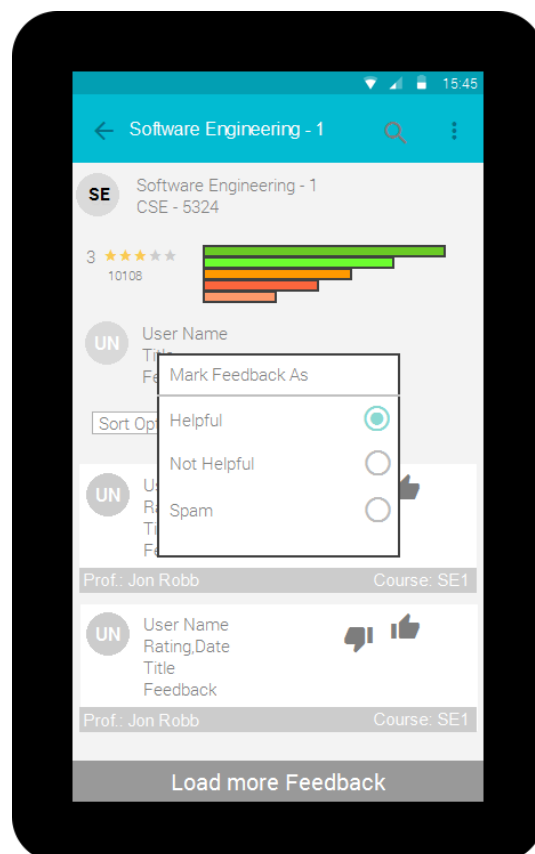


UC14: Mark Feedback	
Pre-condition- Feedback must be present in the application.	
Actor: User	System: KYS
	(0) System displays the list of feedbacks on course screen (see in figure 35).
(1) TUCBW login user clicks on mark feedback button associated with each feedback.	(2) System displays the pop-up window of "Mark Feedback As" (see in figure 36).
(3) User selects among "helpful", "unhelpful" and "spam" options.	(4) System saves the result and displays the course screen with updated count for helpfulness/unhelpfulness.
(5) TUCEW login user will see updated count for helpfulness/unhelpfulness for corresponding feedback.	
Post-condition- The user will be able to see "helpful" and "unhelpful" feedbacks.	

Figure 35: Course Screen



Figure 36: Mark Feedback Dialog

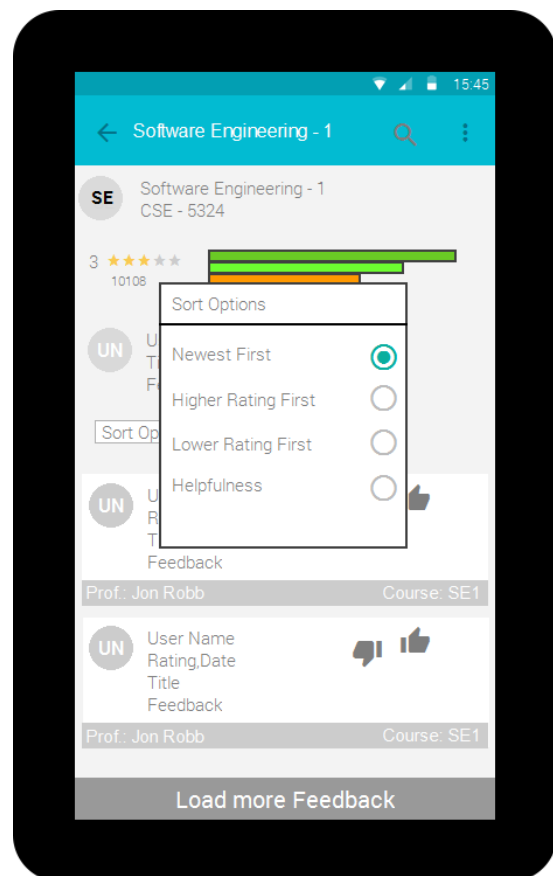


UC15: Sort Feedback	
Pre-condition- Feedback must be present in the application.	
Actor: User	System: KYS
	(0)System displays the list of feedbacks on course screen.(see in figure 37)
(1)TUCBW user selects sorting option from dropdown menu, available above list of feedbacks.	(2) System displays the pop-up window of “Sort Options” (see in figure 38)
(3)User selects one option among the “Newest First”, ”Higher Rating First”, ”Lower Rating First” and ”Helpfulness” .	(4) System will sort the feedbacks as per selected by the user.
(5)TUCEW user will see updated list of feedback.	
Post-condition- The user will be able to see the sorted feedbacks.	

Figure 37: Course Screen



Figure 38: Sort Options



UC16.Delete inappropriate feedback.	
Pre-condition- User needs to have valid admin login credentials.	
Actor: User	System: KYS
	(0) System will display the spam feedback screen to the Admin User.(see in figure 39)
(1) TUCBW Admin User selects corresponding UI element provided for deleting feedback, associated with each feedback.	(2) System will display the dialogue box for Delete Feedback.(see in figure 40)
(3) Admin clicks on the delete button in the delete feedback dialogue box.	(4) System deletes the feedback from the list of feedbacks.
(5) TUCEW admin user will see the updated list of the feedback.	
Post Condition- Admin user views updated list of feedback.	

Figure 39: Spam Feedback Screen

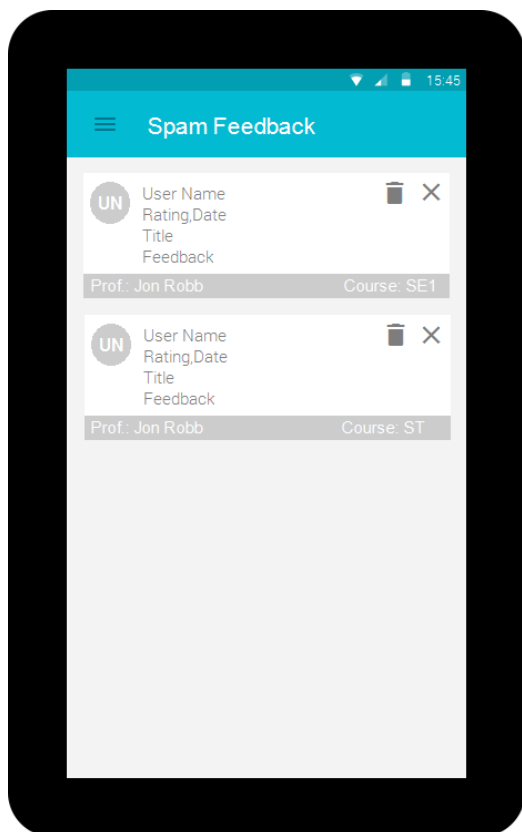
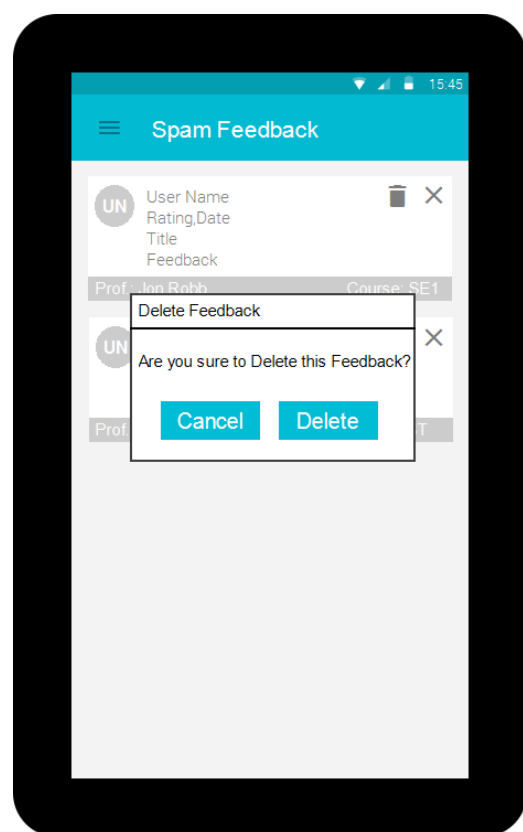
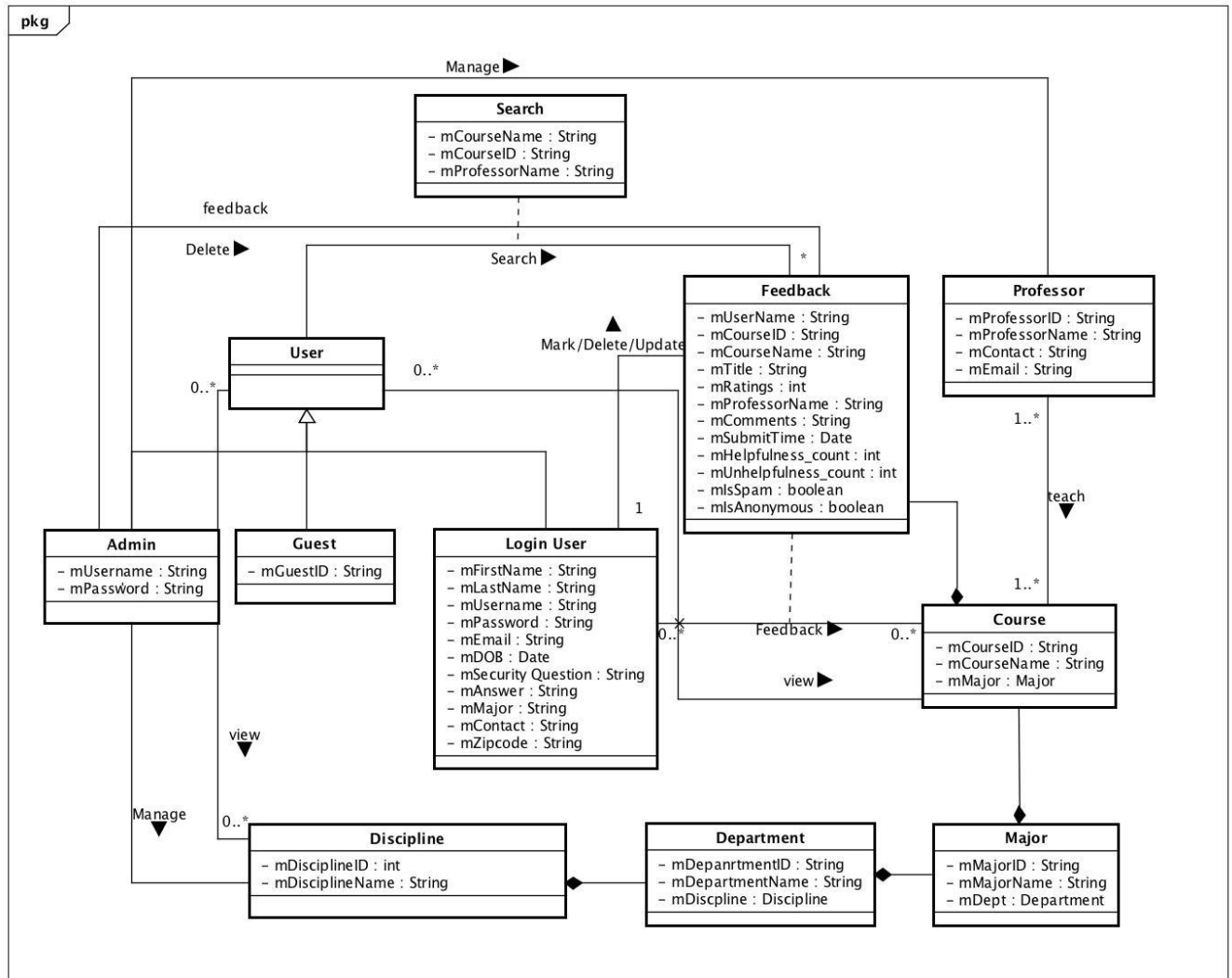


Figure 40: Delete Confirmation

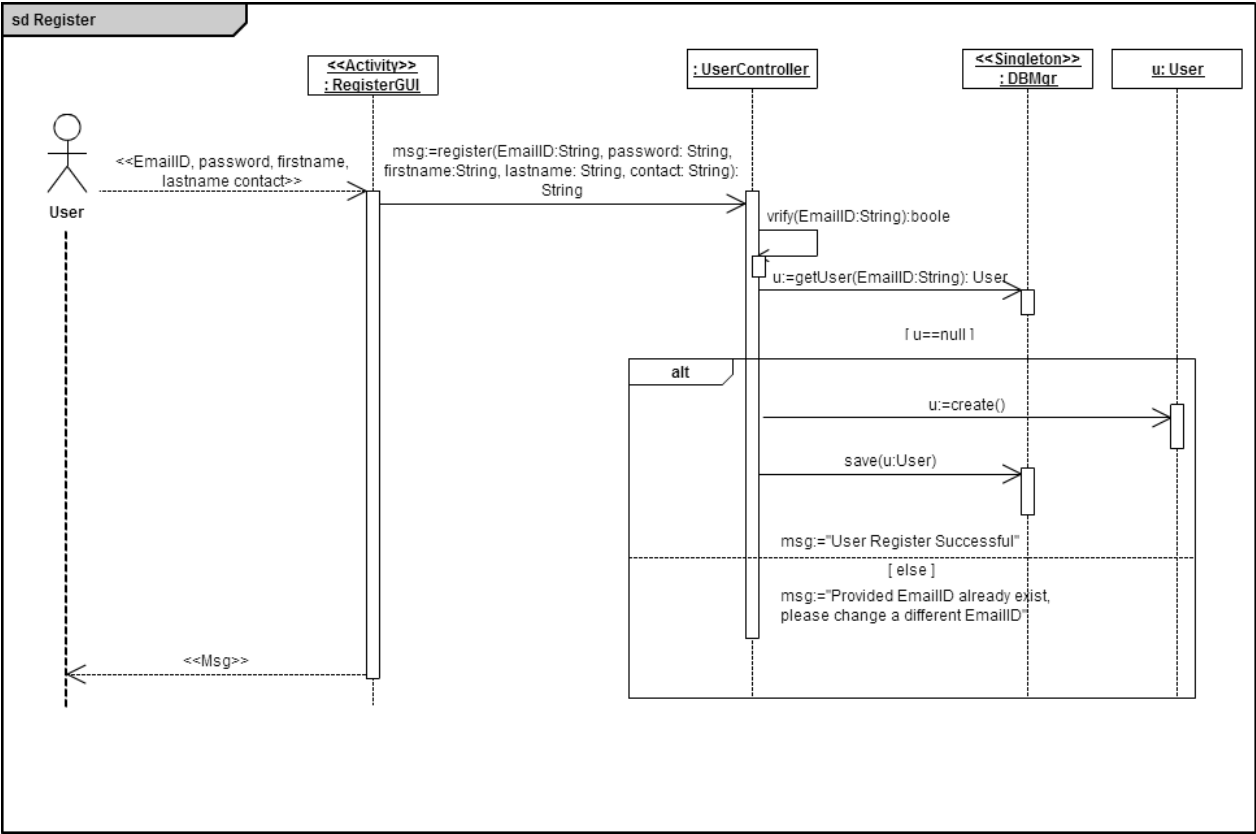


Domain Model Diagram

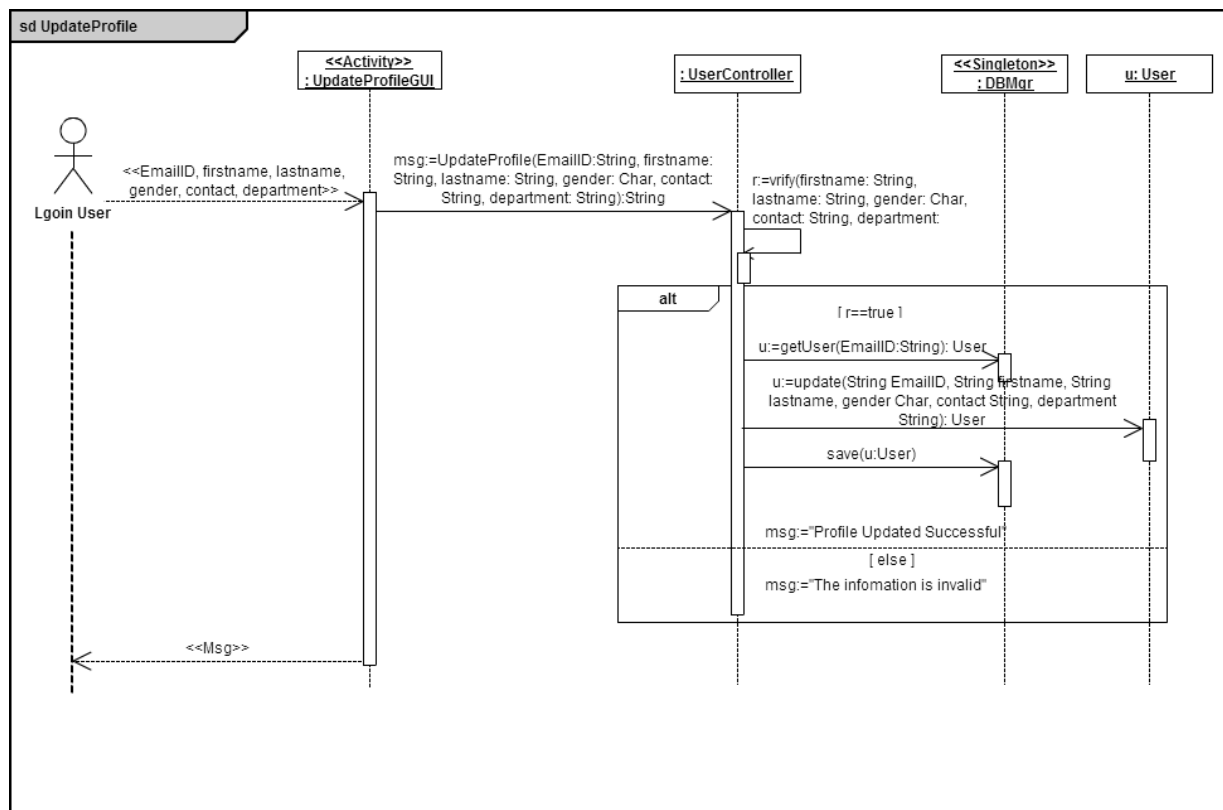


Sequence Diagram

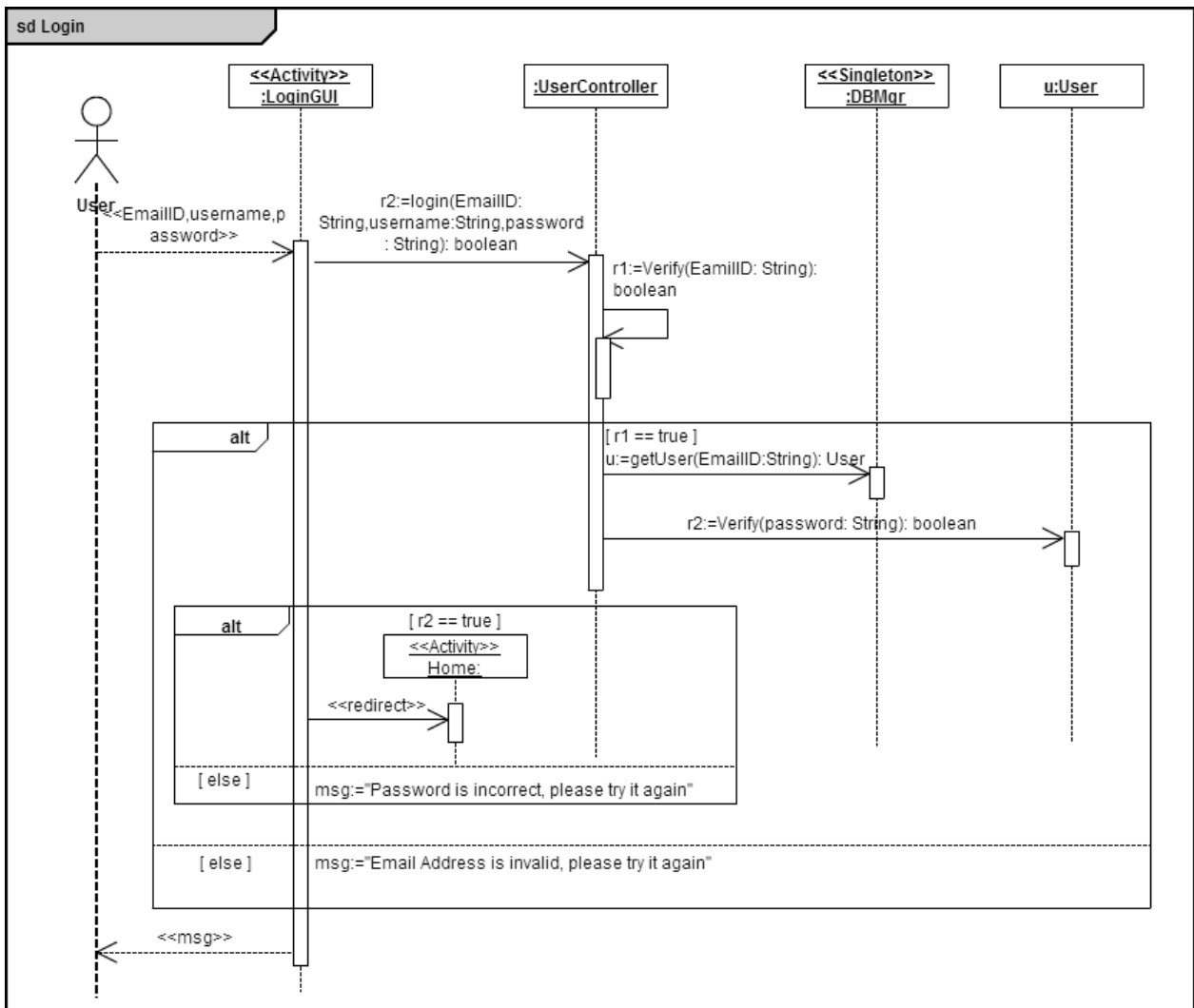
UC 1: Register



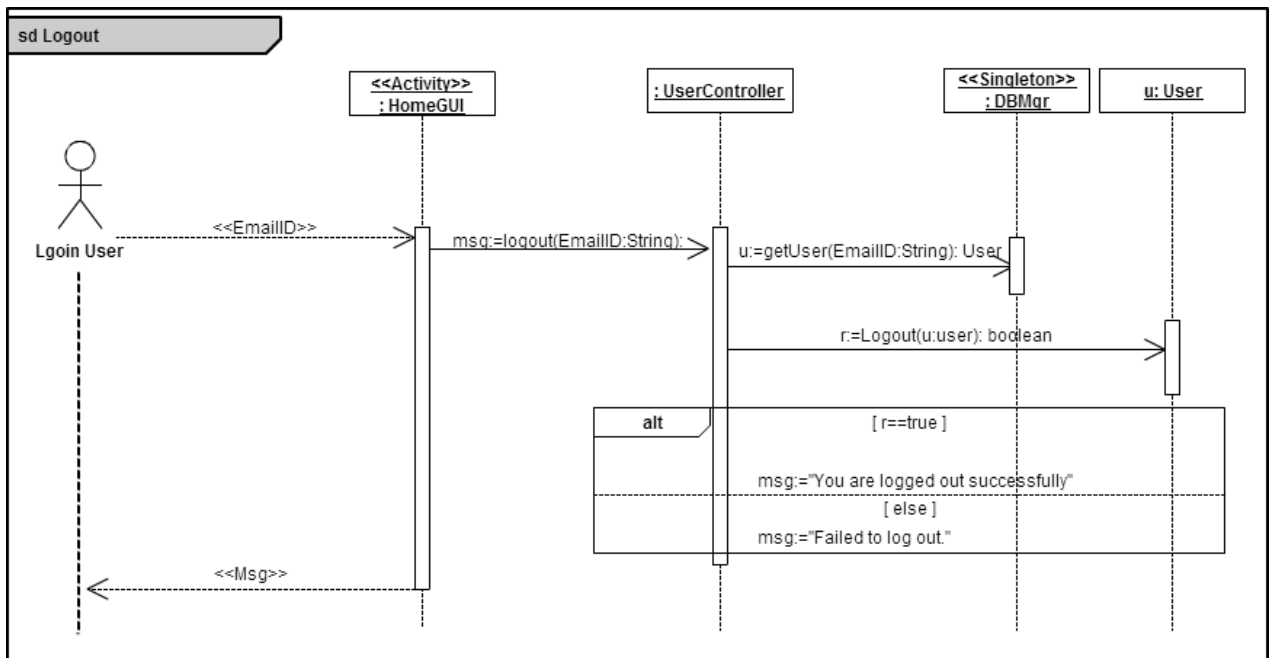
UC 2: Update profile



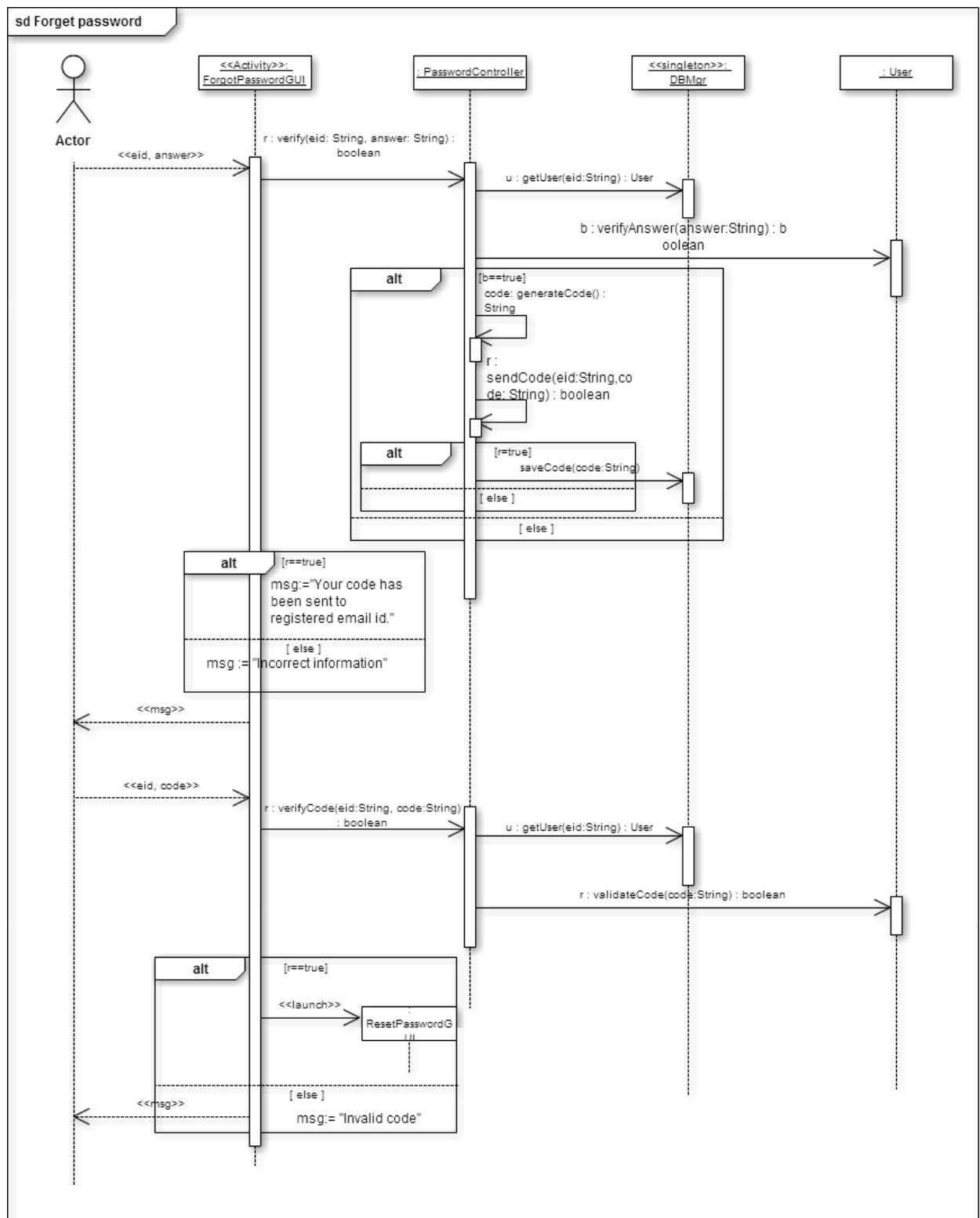
UC 3: Login



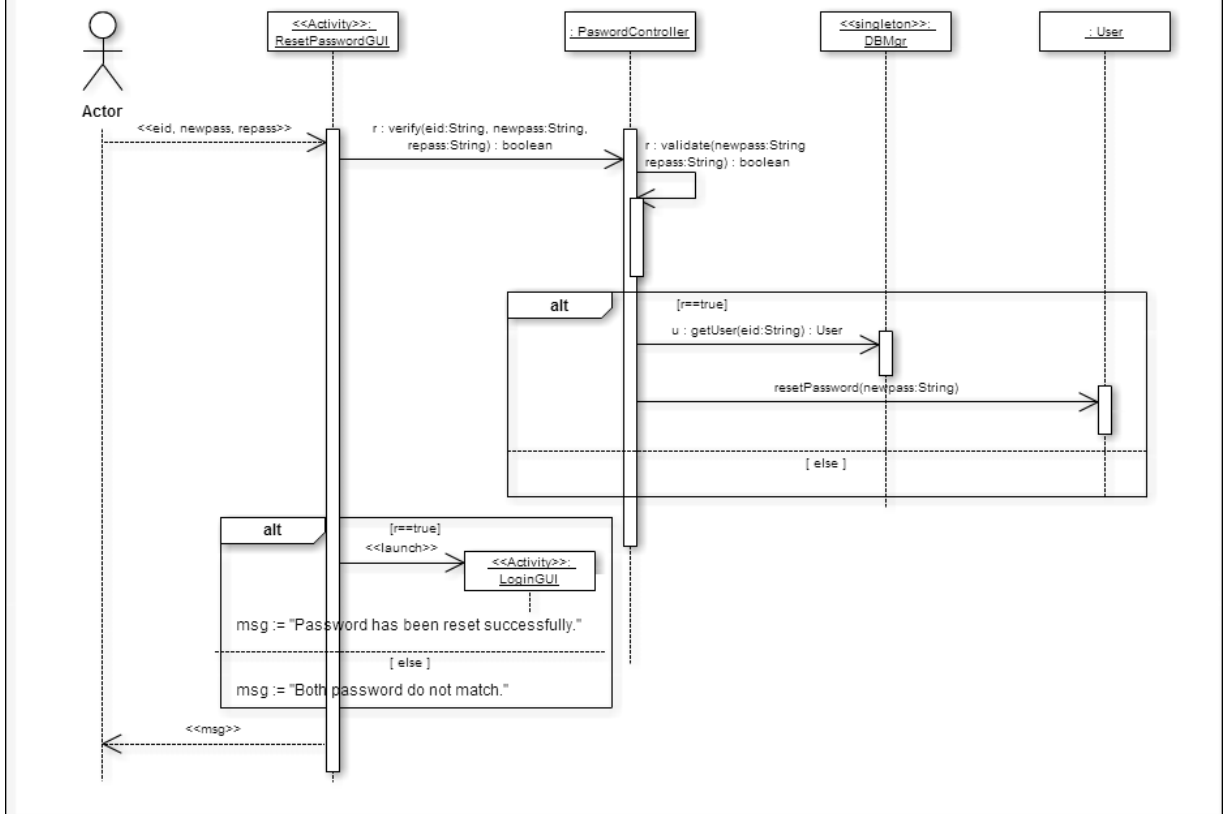
UC 4: Logout



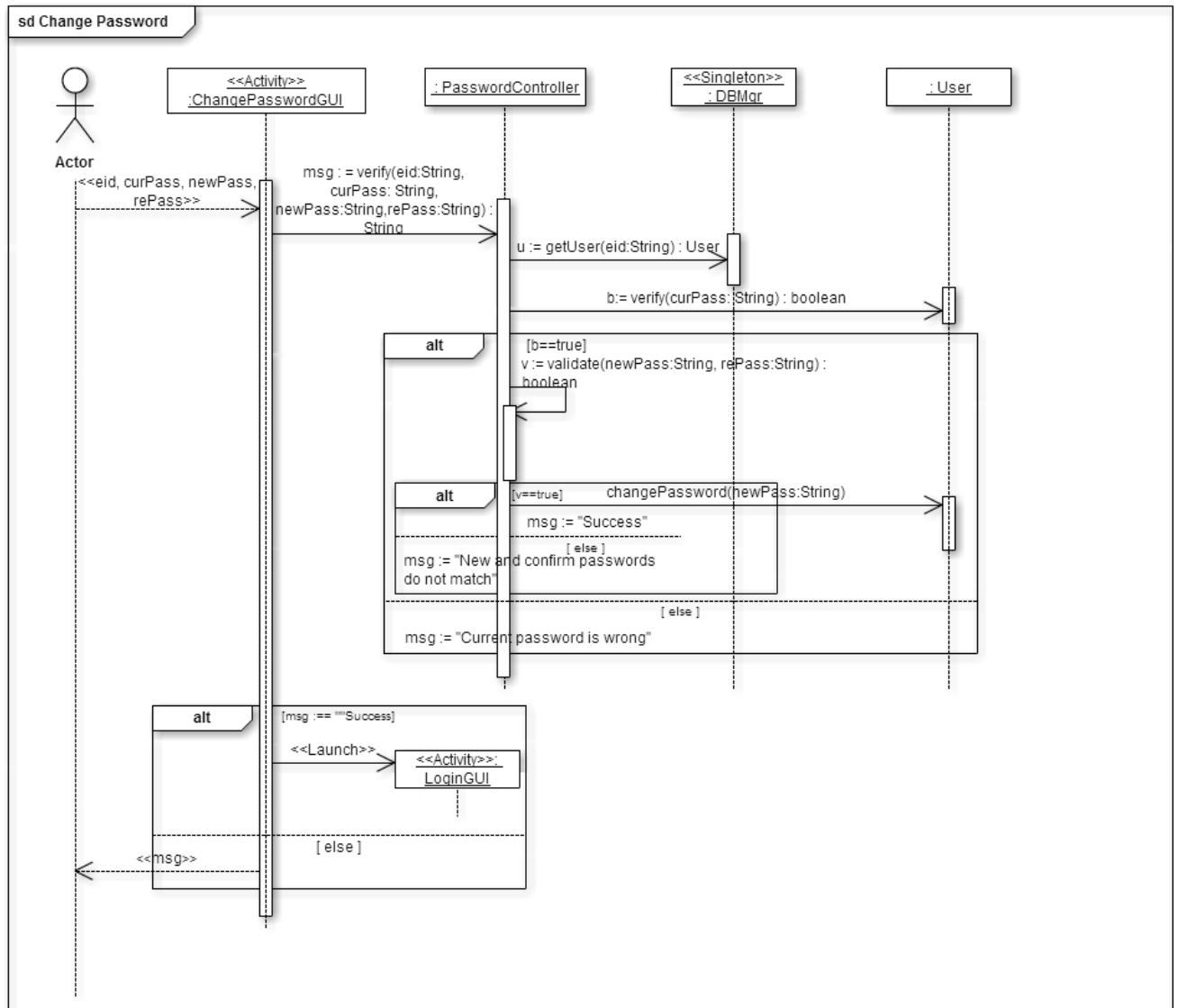
UC 5: Reset password



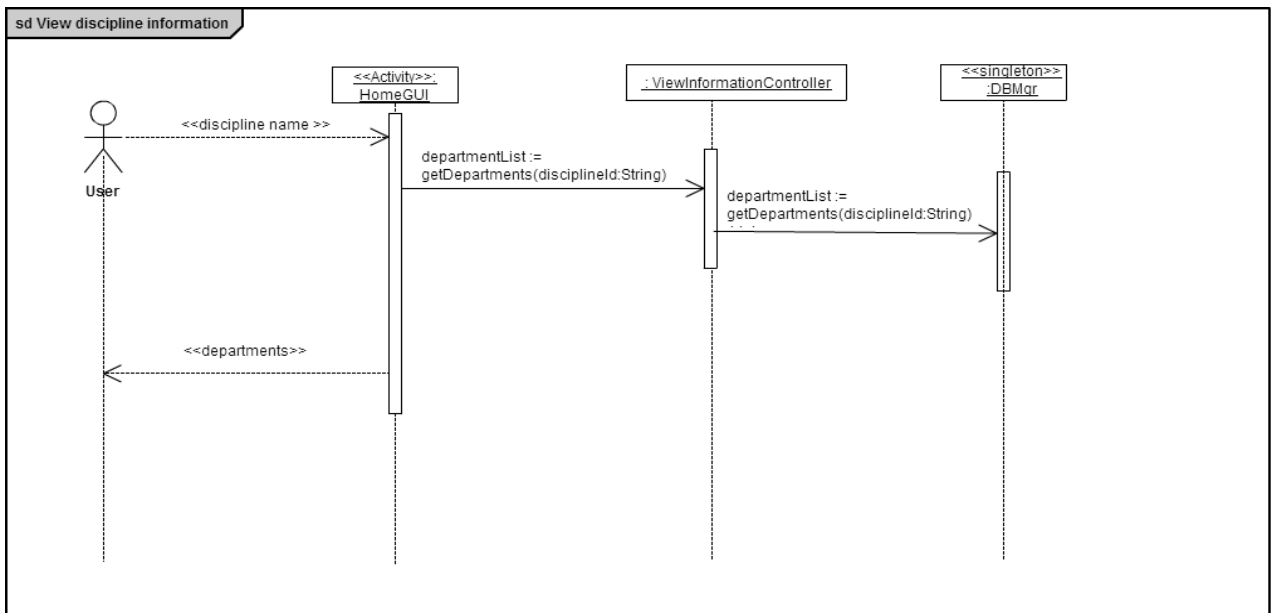
sd Forgot password (2)



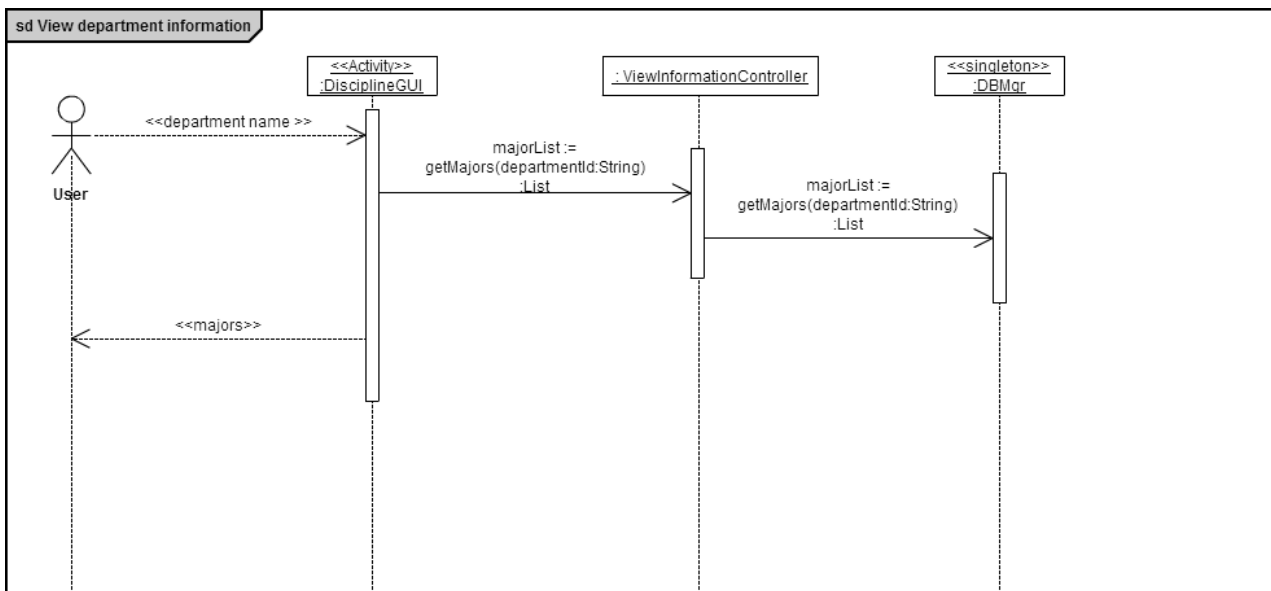
UC 6: Change password



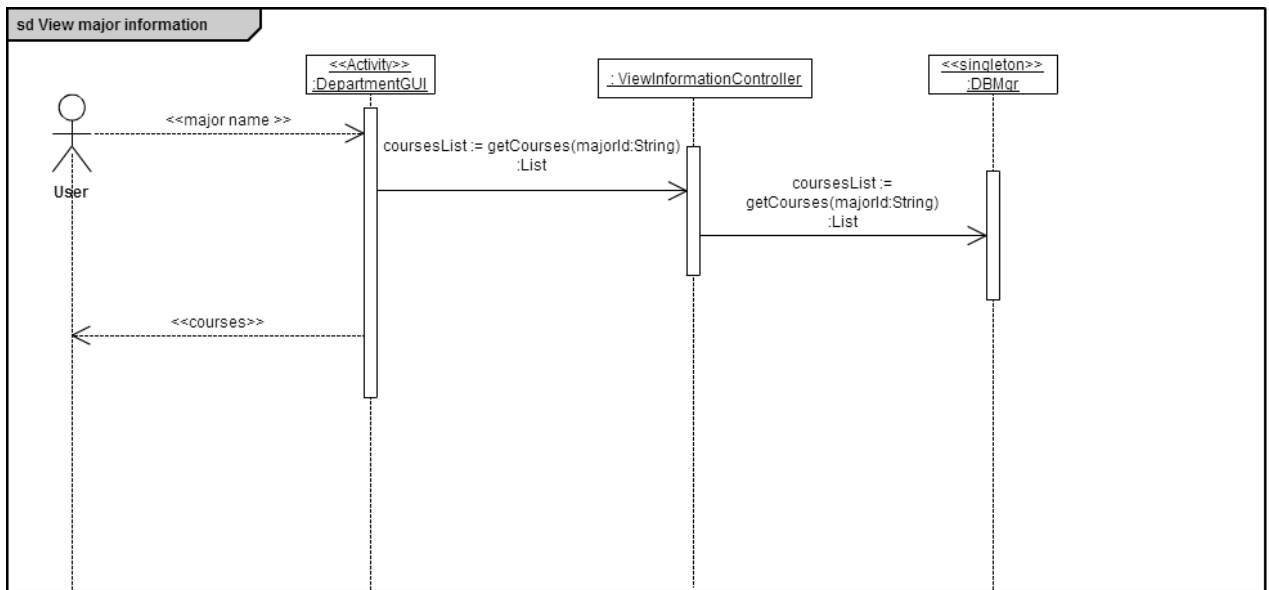
UC 7: View discipline information



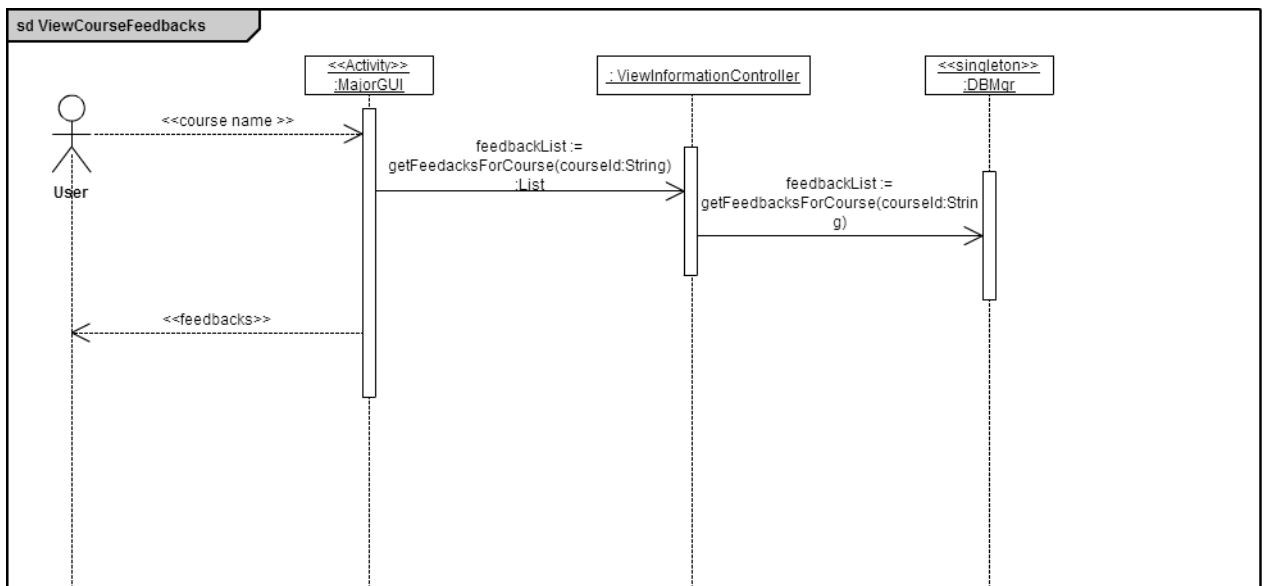
UC 8: View department information



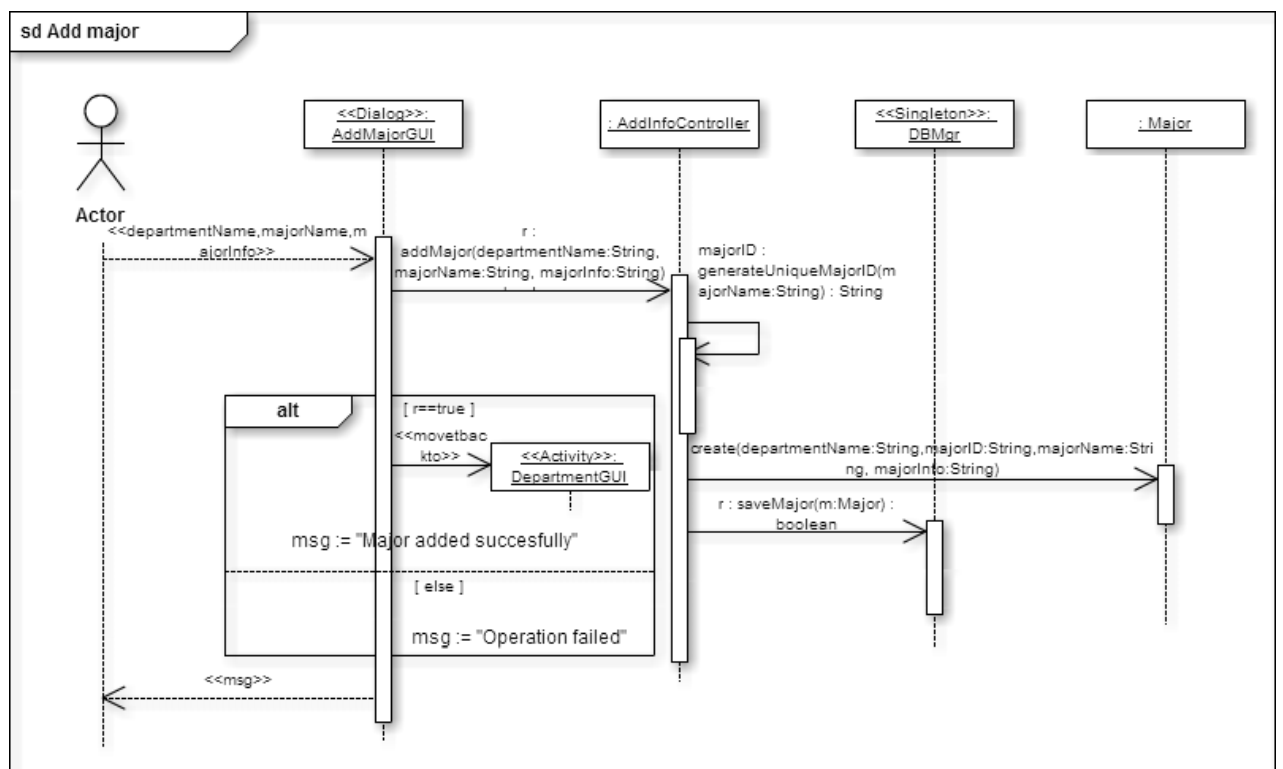
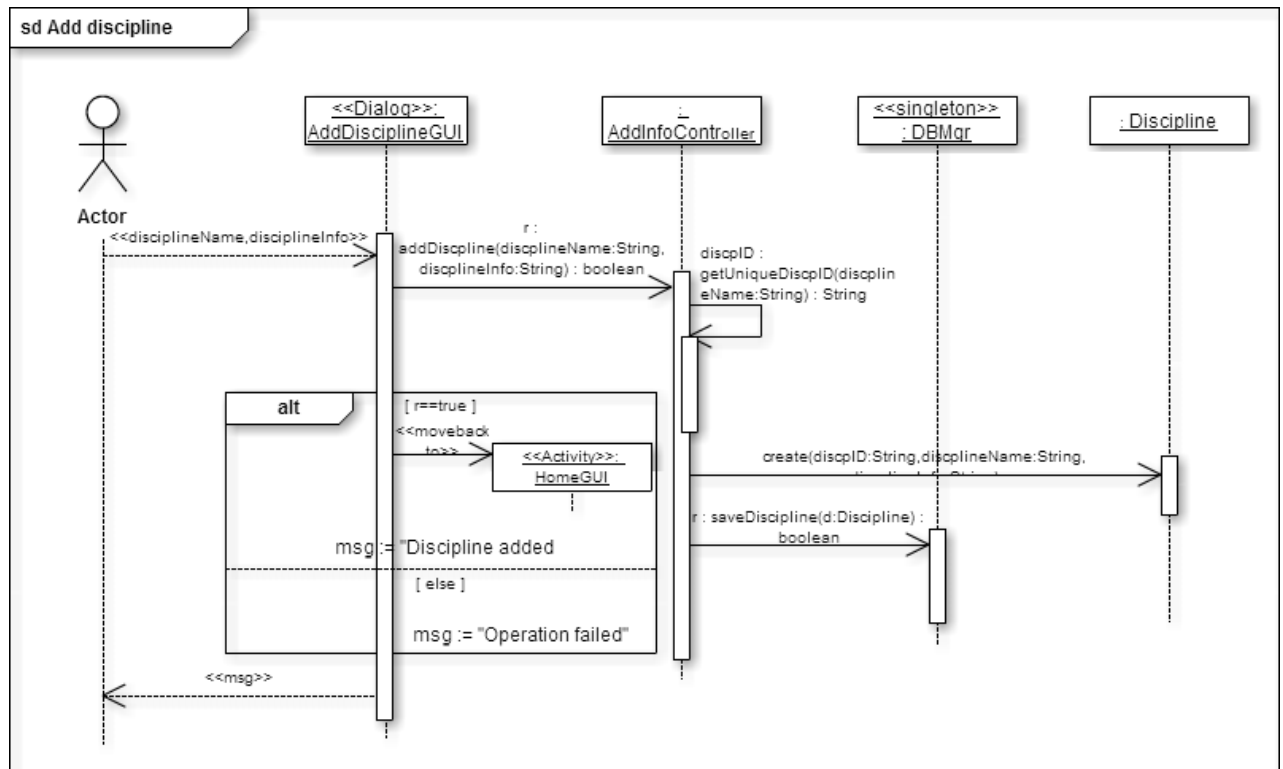
UC 9: View major information

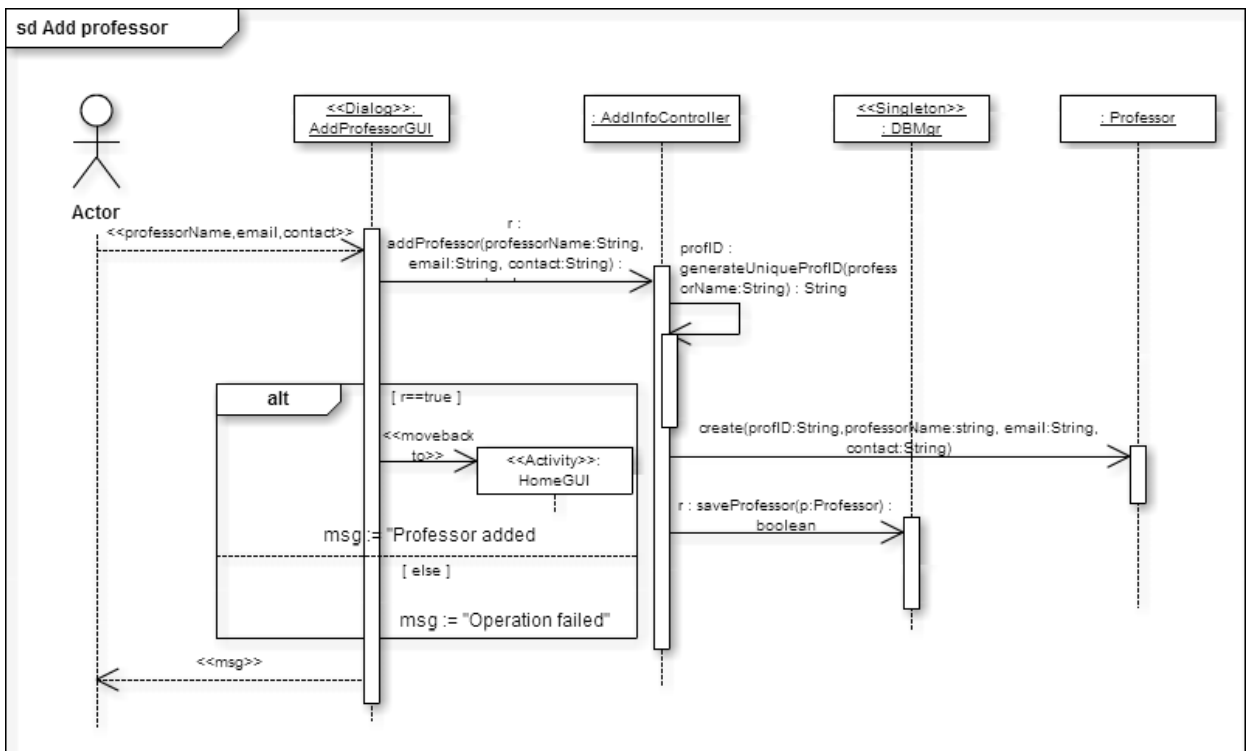
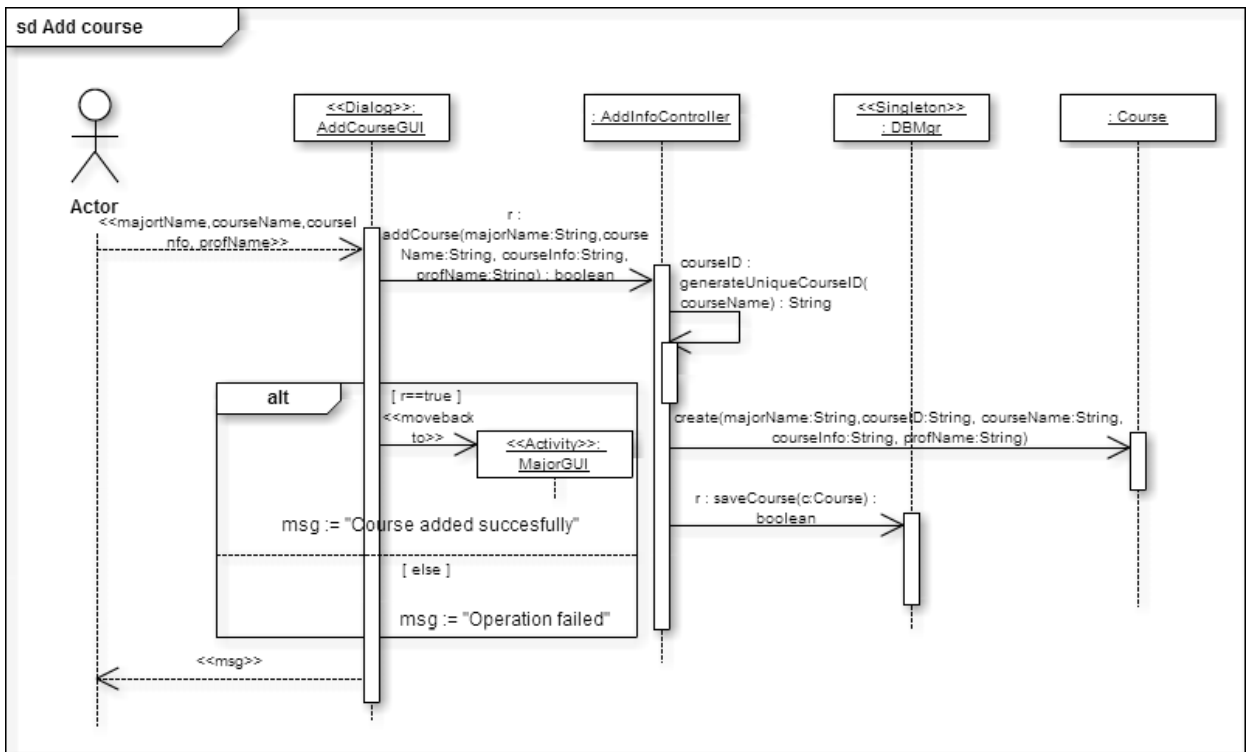


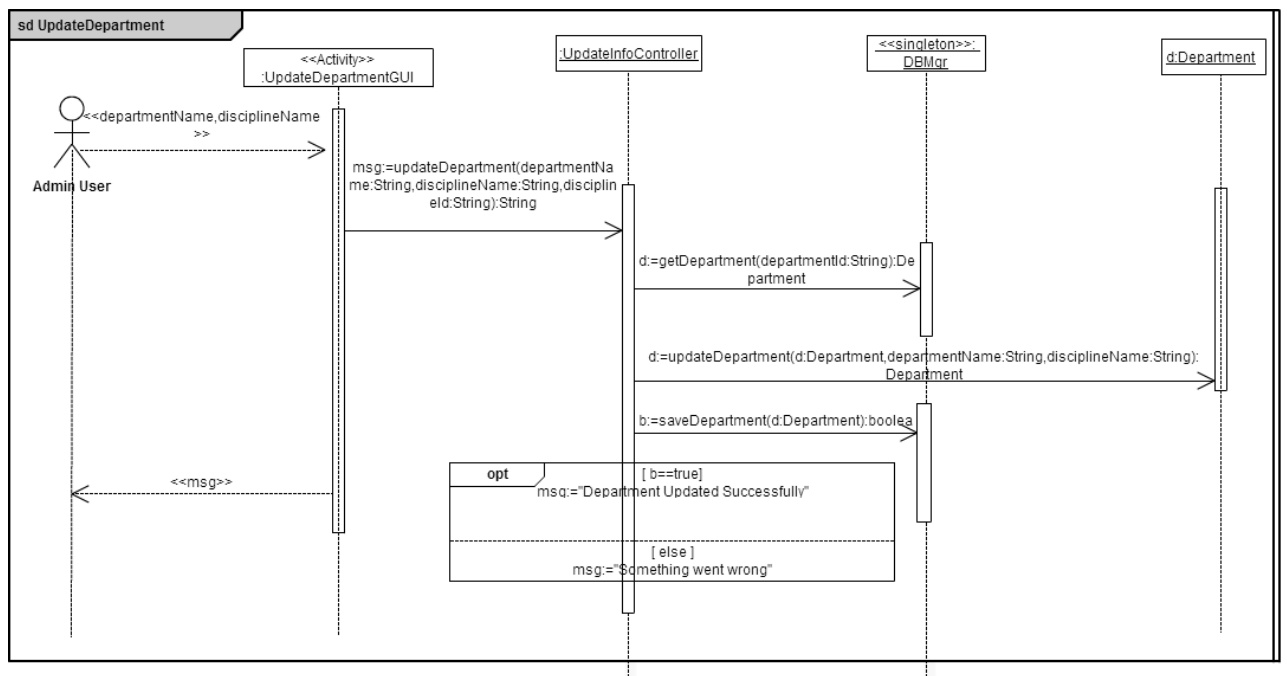
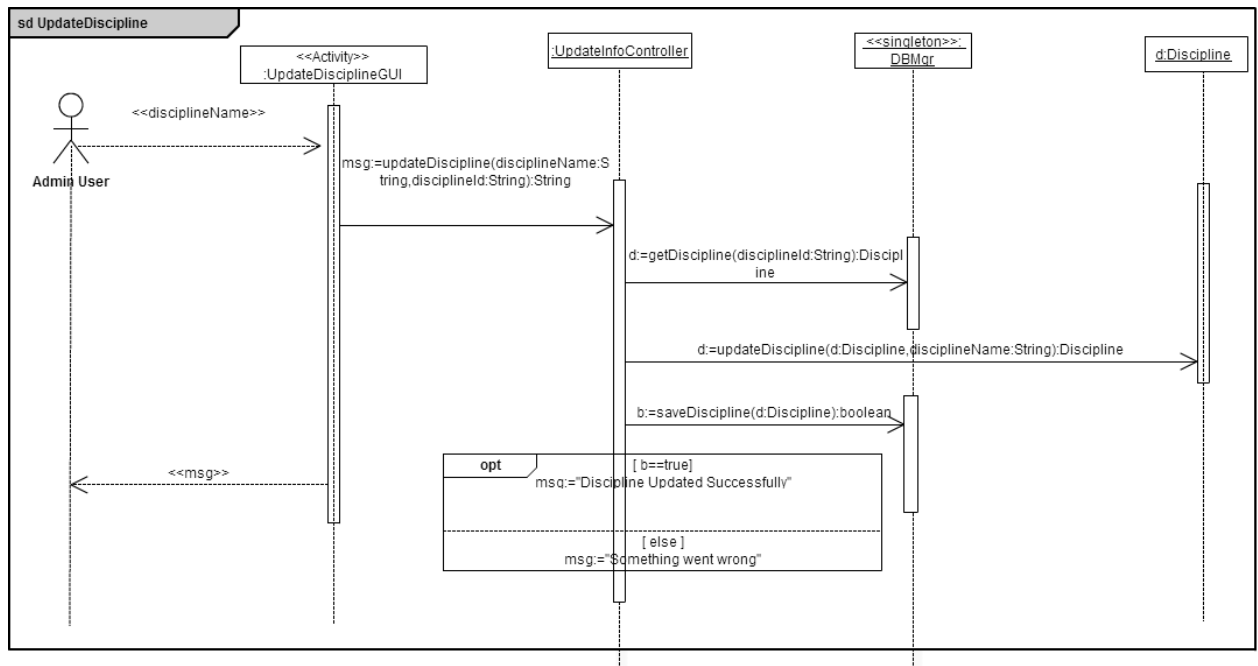
UC 10: View course information and feedbacks

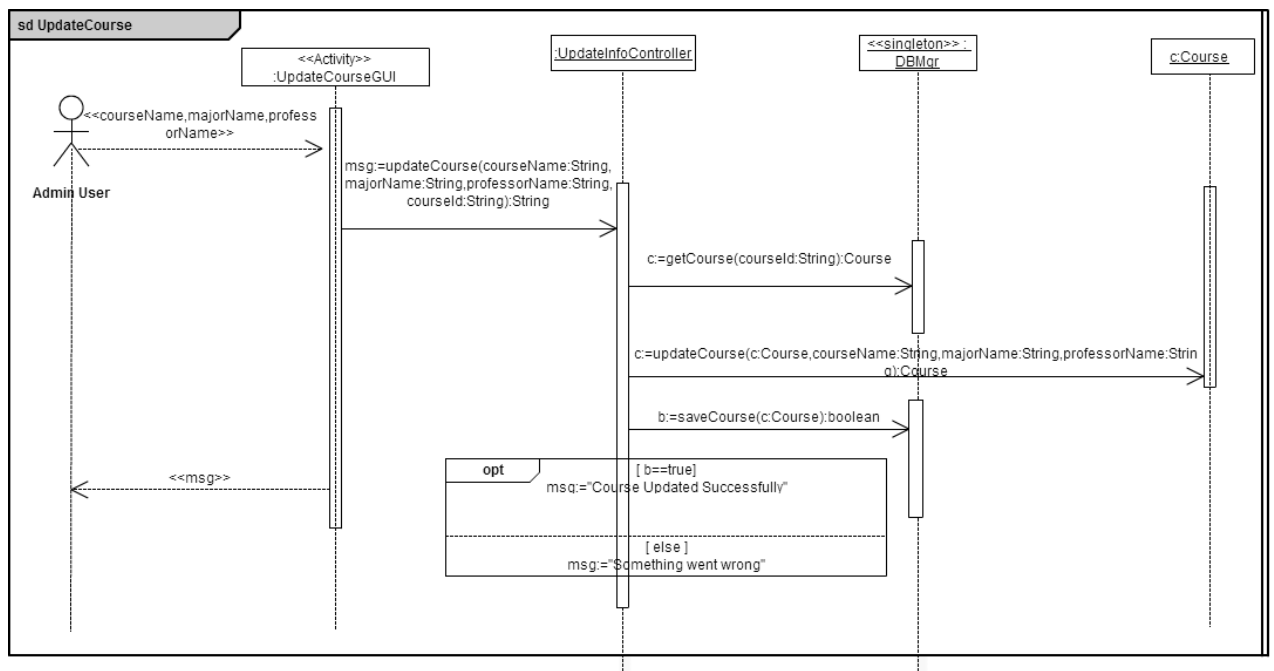
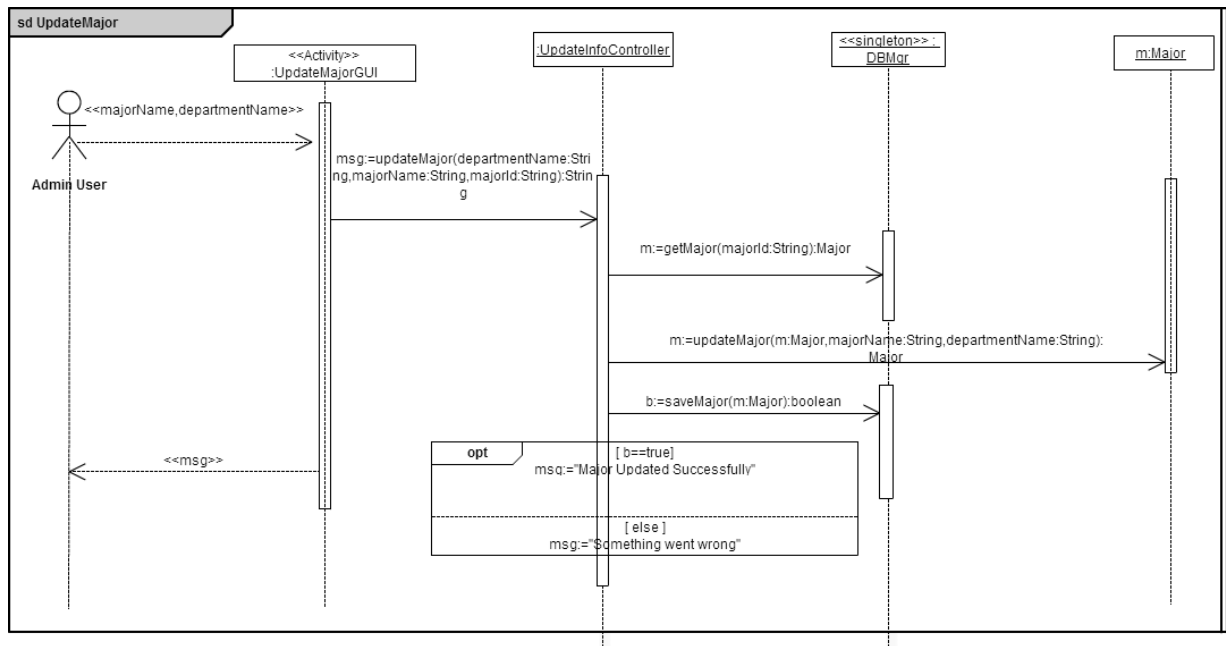


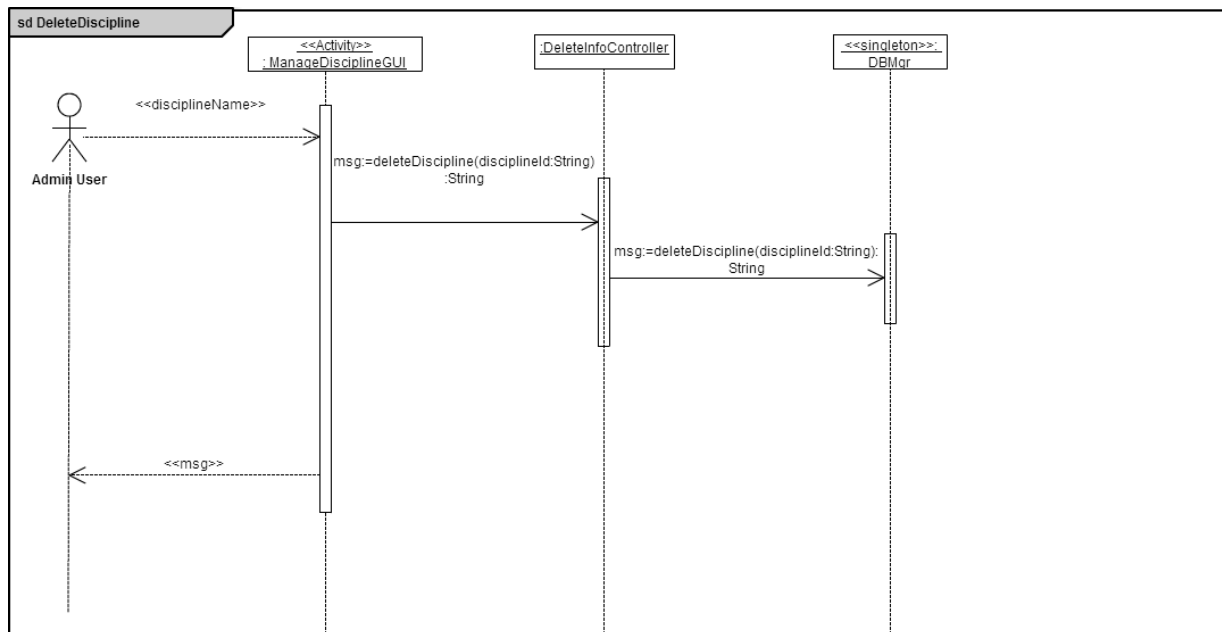
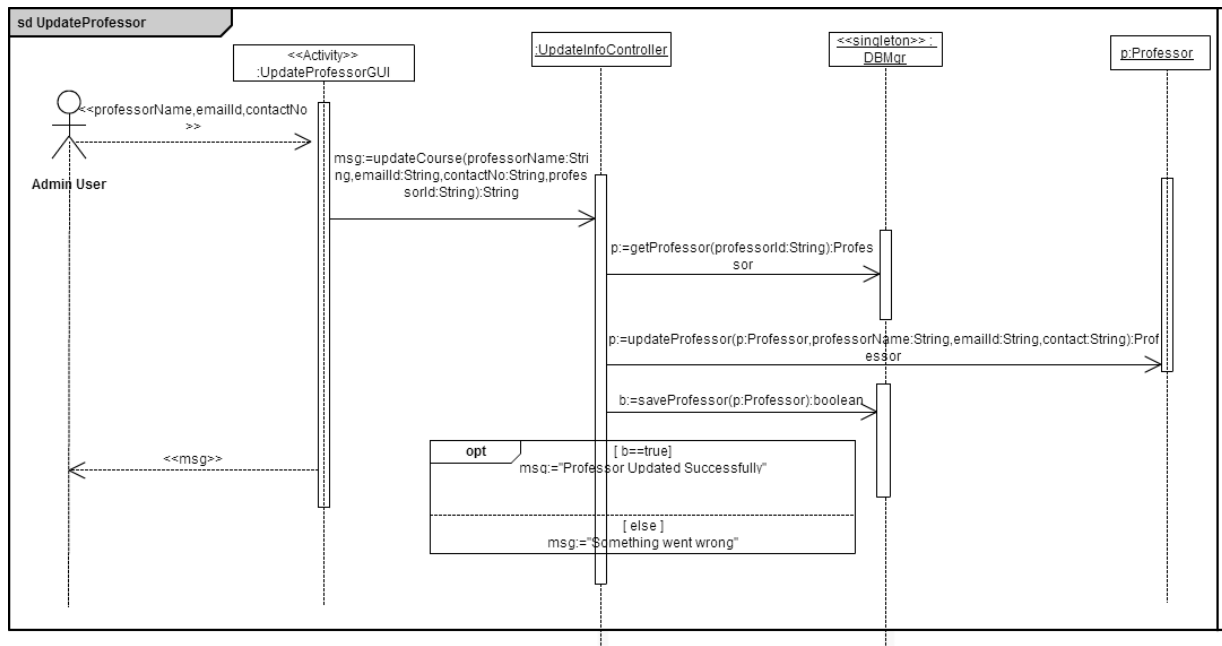
UC 11: Manage discipline, departments, majors, courses and professors

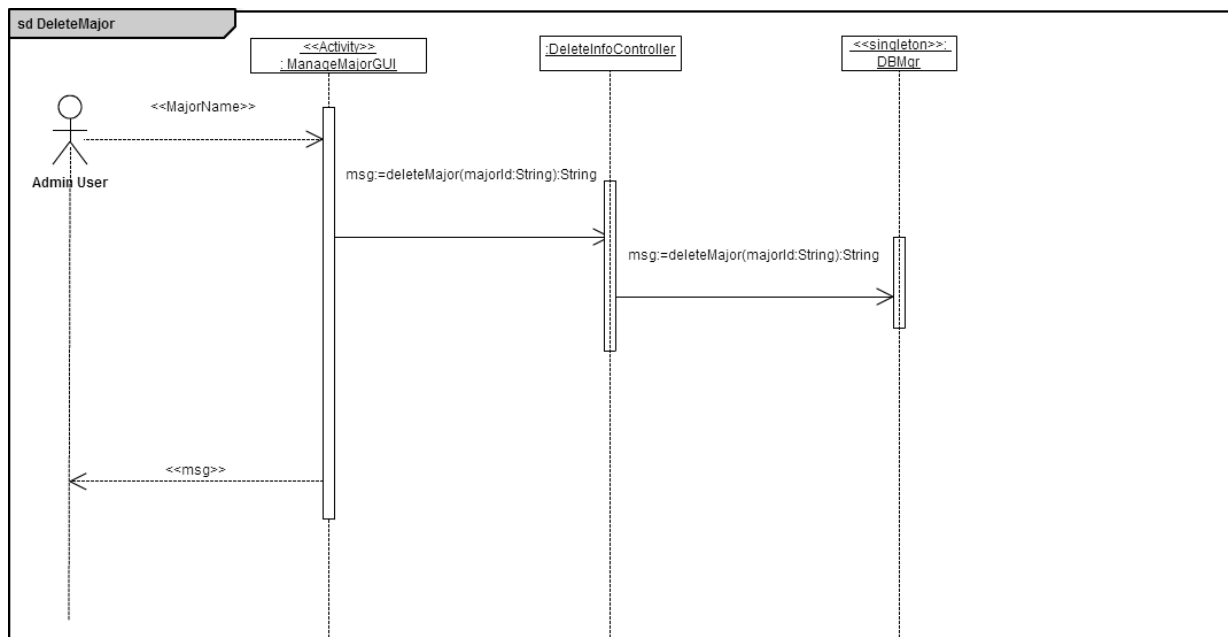
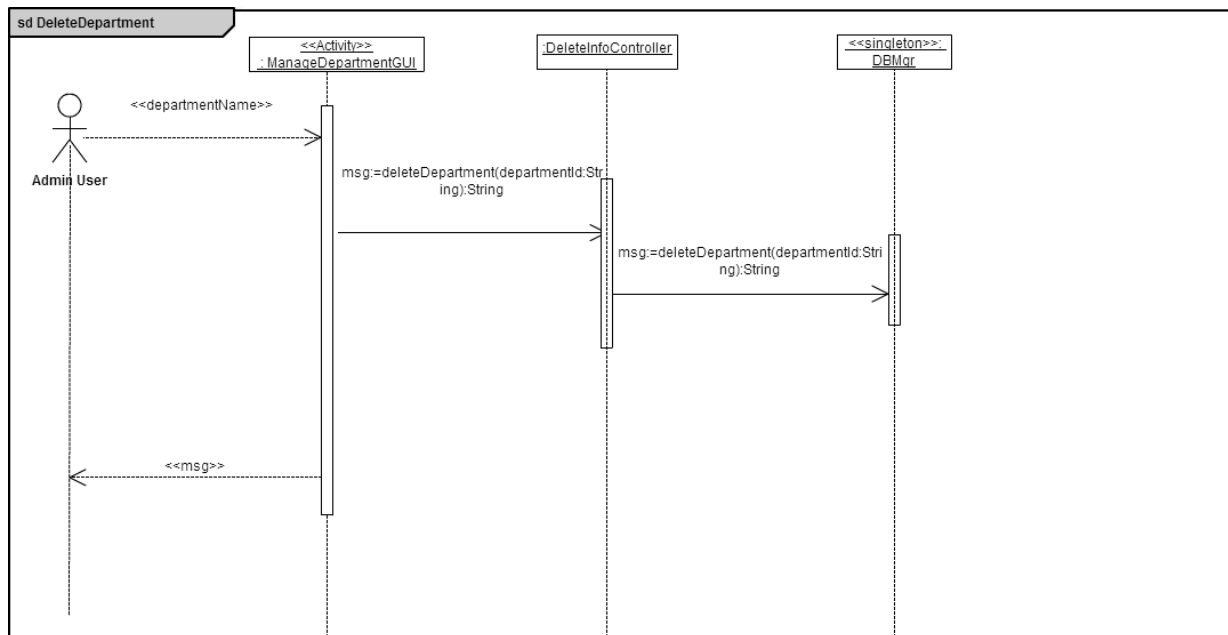


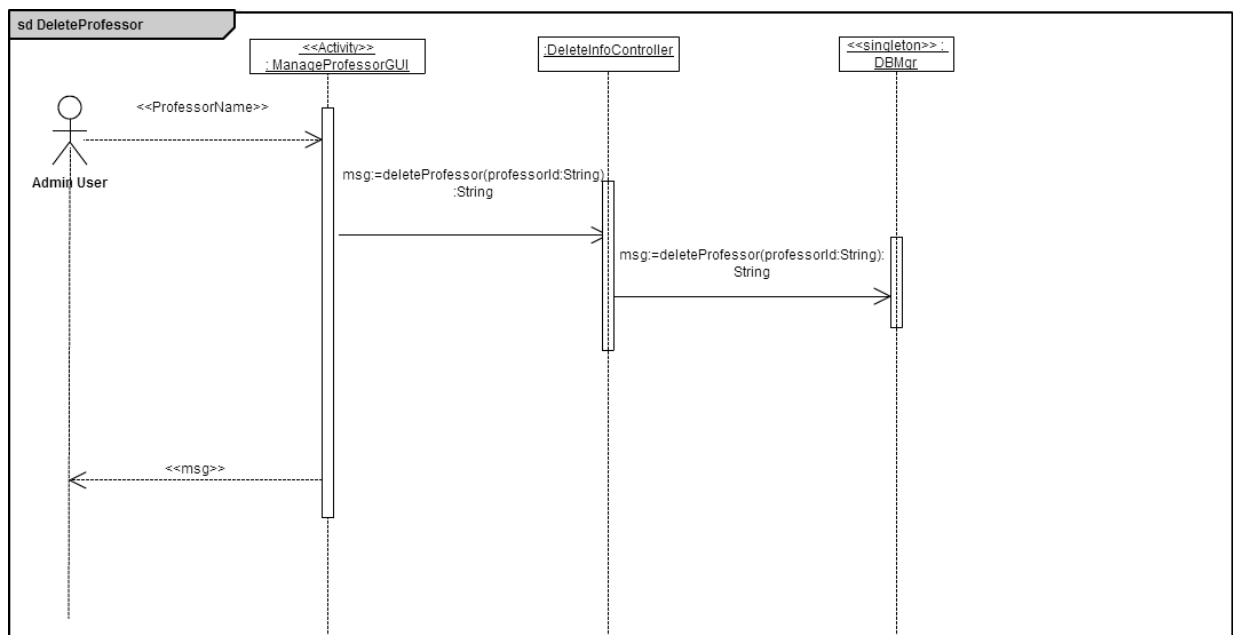
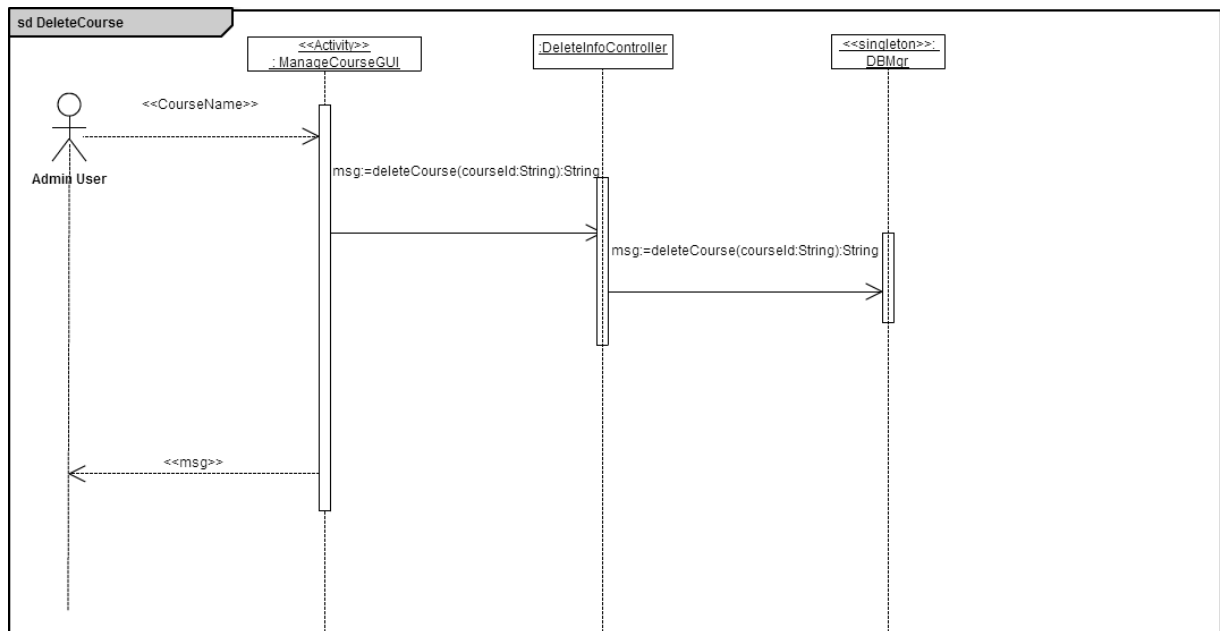




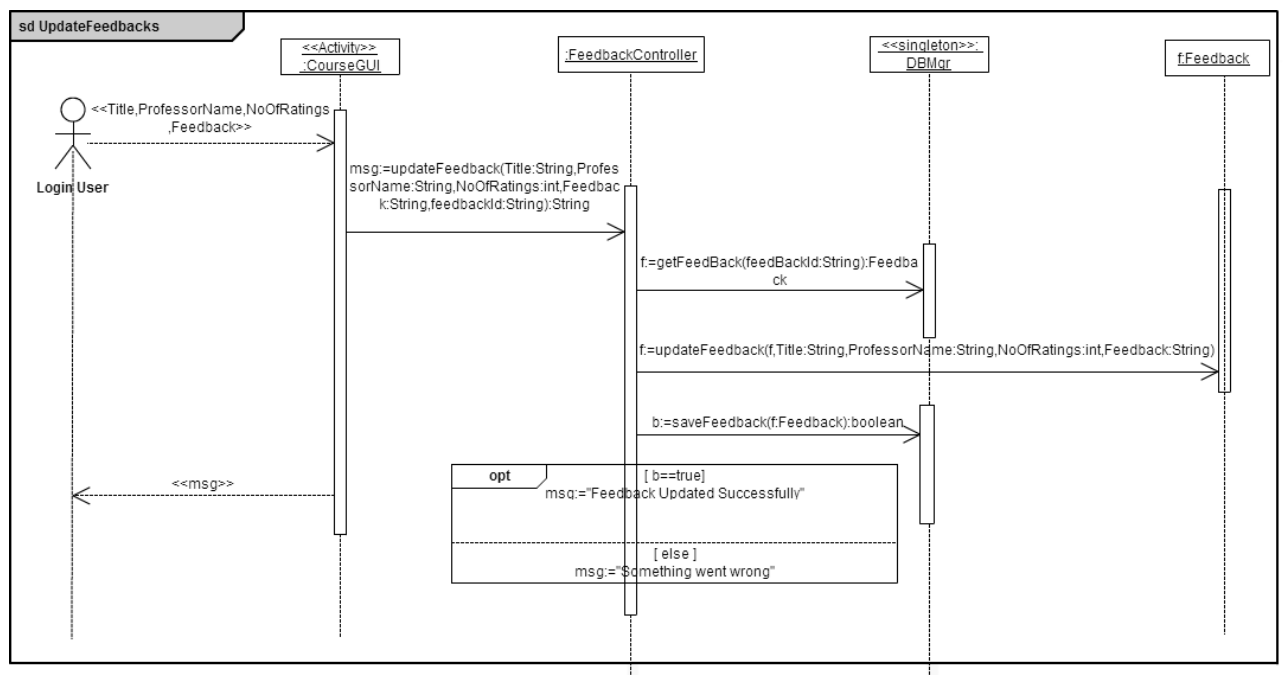
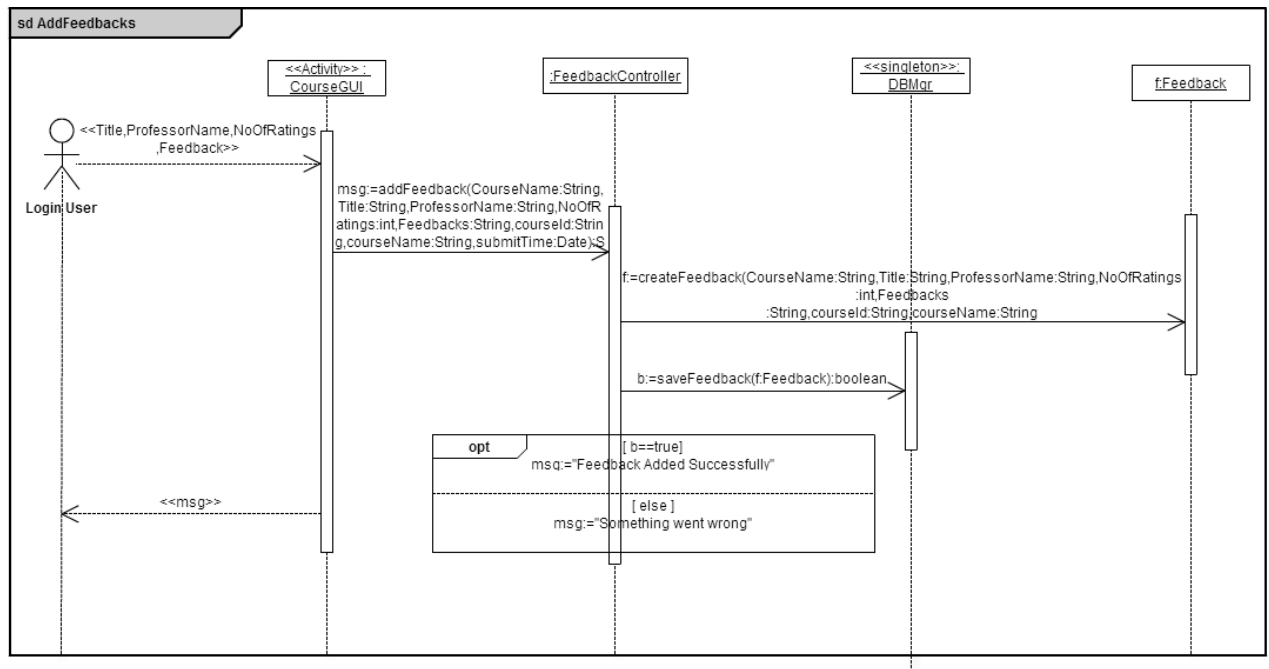


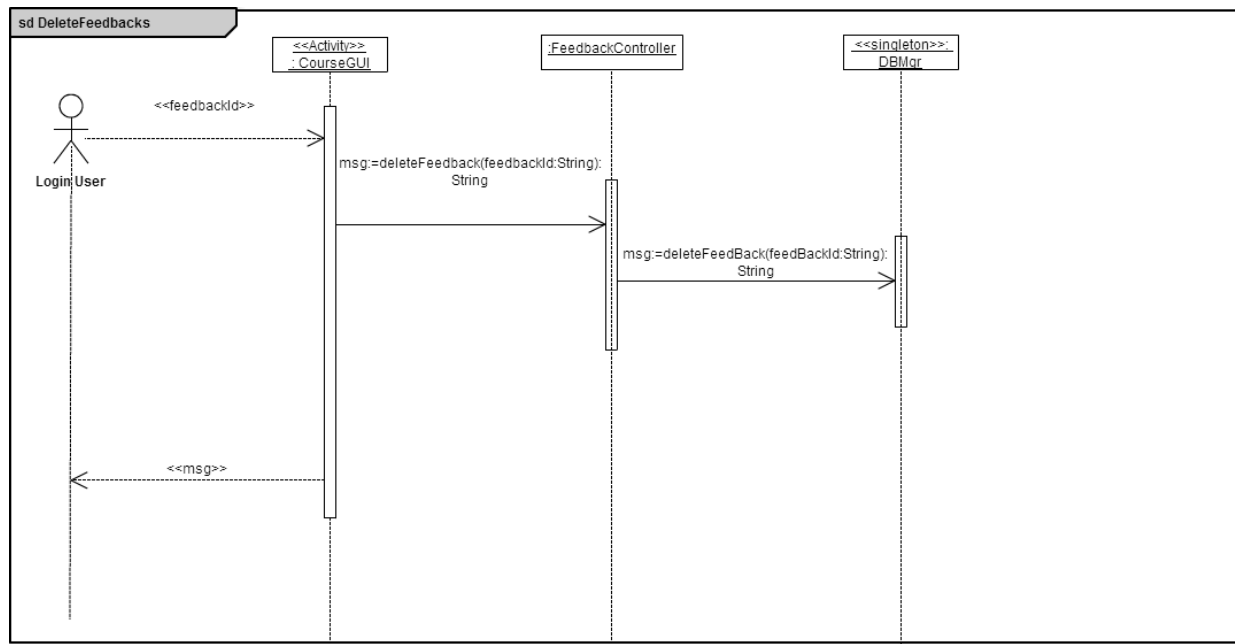




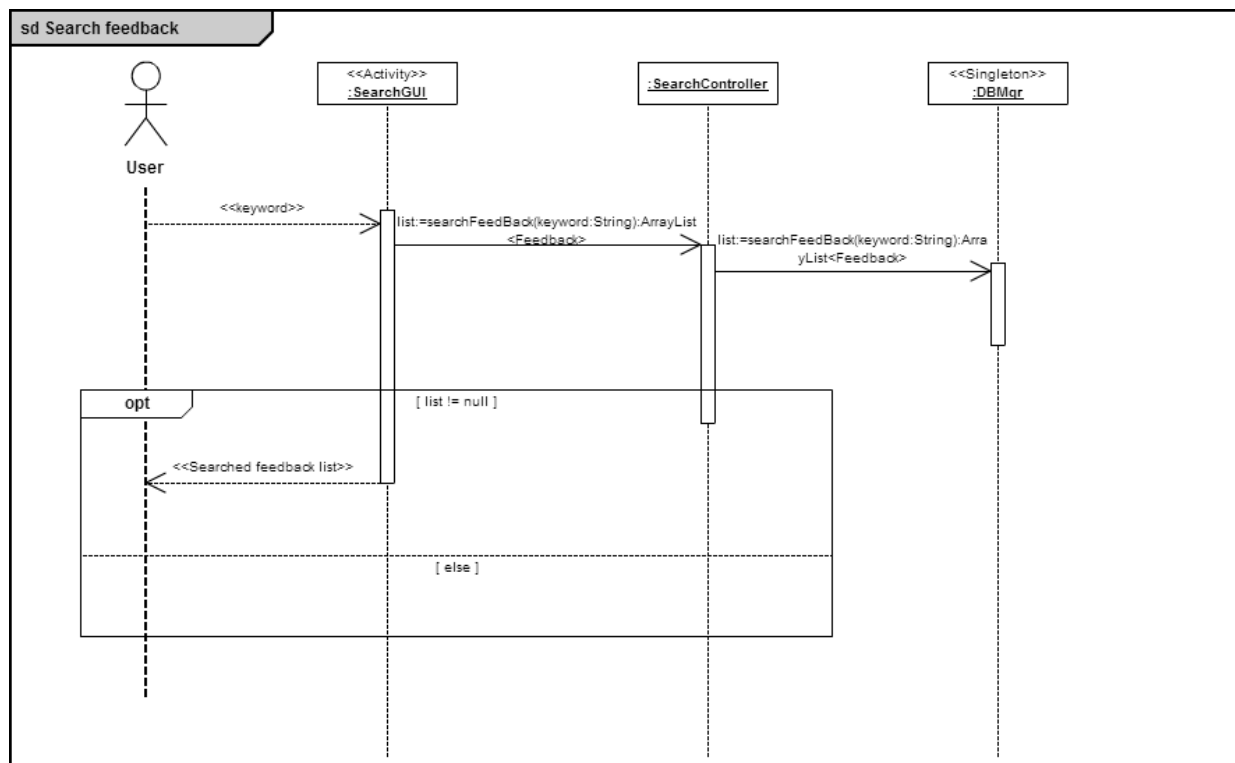


UC 12: Manage feedbacks

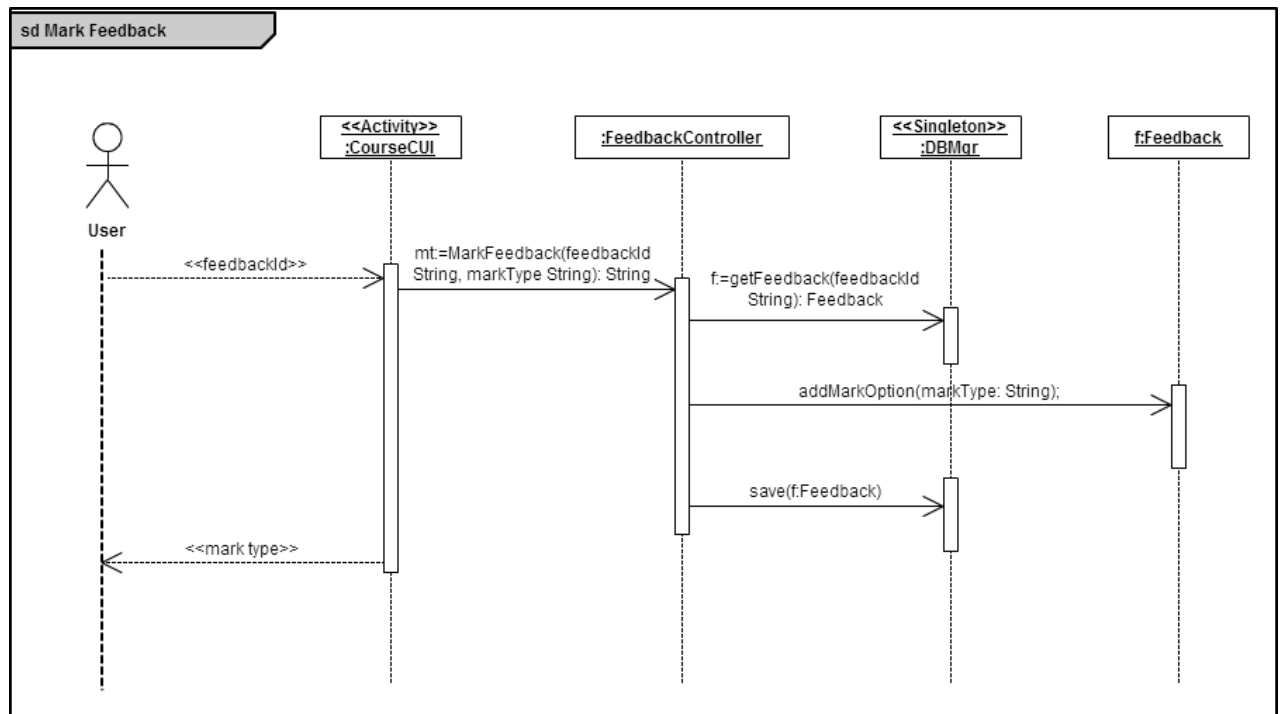




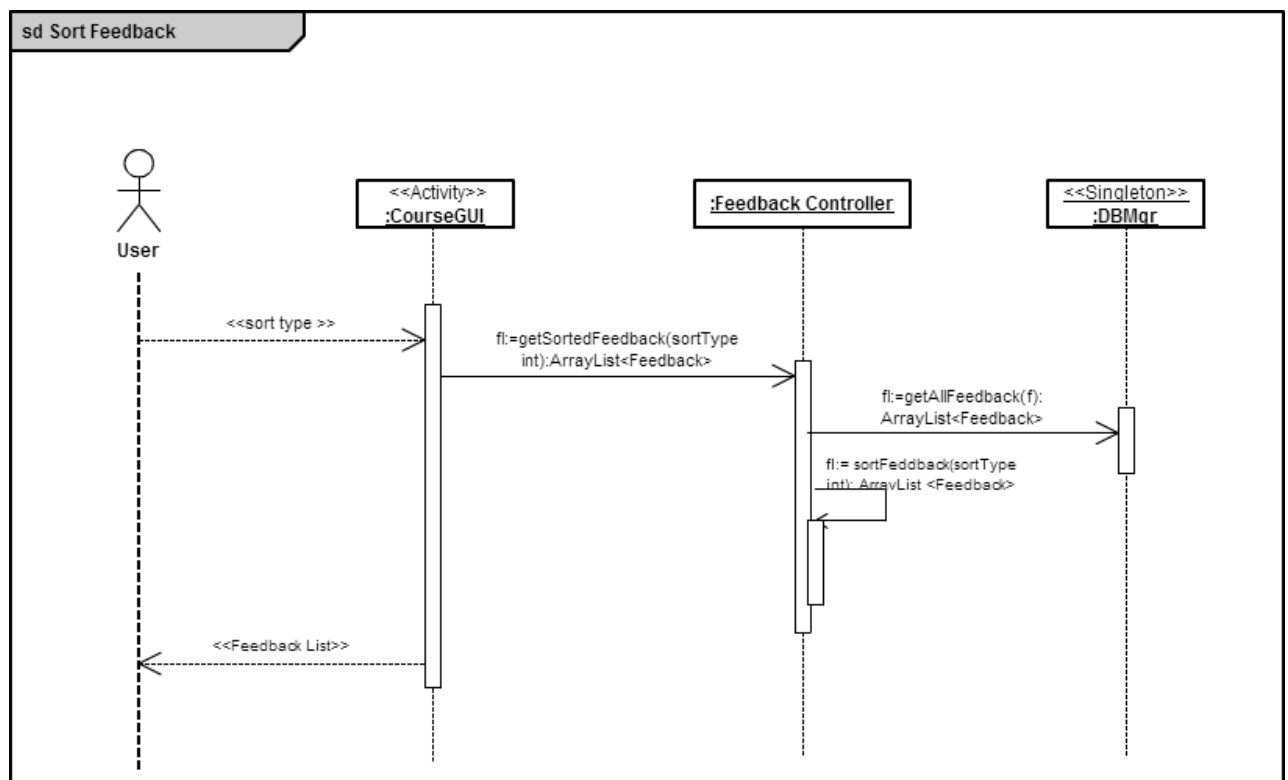
UC 13: Search feedbacks



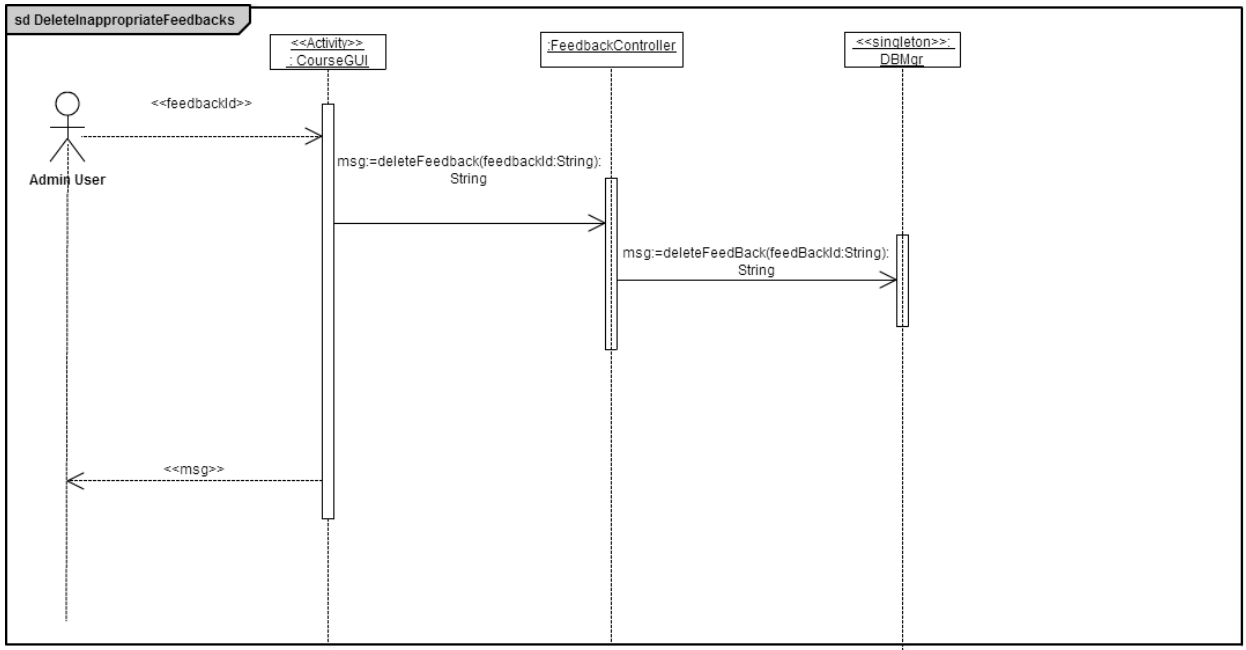
UC 14: Mark feedbacks



UC 15: Sort feedbacks



UC16:Delete Inappropriate Feedback



Design Class Diagram

Note: Design class diagram has been attached separately.

Activity Diagram

Note: Activity diagram has been attached separately.

Code – User Interface snapshots

Note: User Interface snapshots has been attached separately.

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