



System Requirements Specification

Group 17 - CS



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01) Introduction to the Project

1.1 Project Background

In the context of today's digital environment, the majority of online platforms cater to general purposes like sharing content and communication. However, there exists a gap where certain groups with distinct needs are underserved by these generic platforms. This gap is particularly evident among university undergraduates in Sri Lanka, who face a range of unique requirements throughout their academic journey. These needs encompass various aspects such as event communication, access to relevant information, job opportunities, and inter-student connectivity. In this project, we are exploring a solution to fill these gaps that undergraduates face.

1.2 Problem Definition

The problem identified is the lack of a centralized digital platform that addresses the various needs of university undergraduates in Sri Lanka. Existing platforms fall short in catering to the following crucial aspects:

- Event Engagement:

There's no efficient way for students to discover, post, and actively participate in campus events, including hackathons, workshops, seminars, and cultural activities.

- Knowledge Sharing:

Undergraduates lack a dedicated space to publish and engage with knowledge-based content like blog posts and research papers, limiting their ability to showcase their intellectual potential.

- Opportunity Access:

There's a dearth of easy-to-access job opportunities, scholarships, and internships tailored specifically for undergraduates, making it challenging to kickstart their careers.

- Organization Visibility:

Existing platforms do not adequately spotlight university organizations like IEEE and AIESEC, which play a crucial role in students' personal and professional development.

- Networking:

Undergraduates struggle to connect with peers who have diverse potentials, hindering the formation of meaningful relationships and collaborations.

1.3 Proposed Solution

The proposed solution, **UniHub.lk** is an all-Inclusive Solution for Undergraduate Empowerment.

Navigating the diverse landscape of university life has never been easier. UniHub.lk, the ultimate digital platform tailored exclusively for undergraduates in Sri Lanka.

UniHub.lk is a web platform that is a dynamic hub meticulously designed to cater to undergraduates' every need. It is a place where undergraduates can seamlessly:

- Discover and Engage in Vibrant Events:

With UniHub.lk, undergraduates can effortlessly explore, share, and actively participate in a plethora of events. Undergraduates' campus experience just got a whole lot more exhilarating.

- Showcase Undergraduates' Brilliance:

UniHub.lk lets undergraduates shine by enabling undergraduates to publish and engage with insightful blog posts, groundbreaking research papers, and thought-provoking articles. It's an undergraduates' platform to showcase their intellectual prowess to a wider audience.

- Open Doors to Opportunities:

Unlock your potential with direct access to an array of exclusive job opportunities, scholarships, and internships tailored specifically for undergraduates. UniHub.lk ensures undergraduates are always in the loop, primed for success.

- Connect with Powerhouse Organizations:

UniHub.lk provides a dedicated space to interact with influential university organizations like IEEE and AIESEC, where undergraduates can collaborate, learn, and grow.

- Forge Meaningful Connections:

Networking is key to personal and professional growth. With UniHub.lk's intuitive features, undergraduates can effortlessly connect with fellow undergraduates, build lasting relationships, and collaborate on exciting ventures.

UniHub.lk acts as an undergraduates' passport to an enriched university experience. Whether the undergraduate is an aspiring entrepreneur, a dedicated scholar, or a dynamic event enthusiast, UniHub.lk caters to their unique aspirations and aspirations. It's time to break free from limitations and embrace a new era of undergraduate empowerment.

1.4 Brief Introduction

Numerous web platforms help people share content and communicate with one another in the modern world. These platforms, however, do not cater specifically to a target population. Furthermore, their content is frequently scattered and includes a mixture of informational and non-informational stuff for users.

Sri Lankan undergraduates experience a variety of requirements, including numerous aspects, as they progress through their undergraduate studies. These include the need to spread information about or engage with events, access knowledge repositories like blogs, research papers, and "kuppi," find job opportunities and scholarships, showcase university organizations, and connect with other undergraduates who have a variety of potential.

Our web platform, UniHub.lk, responds by emerging as a complete solution, precisely meeting these varied undergraduate demands. UniHub.lk provides a straightforward way to meet these demands without wasting too much time or requiring complicated navigation because it operates as a space and a network of interconnected universities.

A platform for a university student hub that is expanded with a variety of features, UniHub.lk also expands its usability. Beyond assisting individual students, this platform takes on a significant societal function, assisting in the identification and development of promising undergraduates and thereby advancing the country.

Therefore, the developer team at UniHub.lk will research these students' demands and set up a unique university student hub to meet them.

02) Project Goal

The main goal of the project is to introduce a comprehensive and user-friendly web platform for Sri Lankan undergraduates that meets their diverse needs, such as the need to spread information about or engage with events, access knowledge repositories, find job opportunities and scholarships, showcase university organizations, and connect with other undergraduates.

03) Scope of the Project

3.1 In-Scope

This website will not only expand its capabilities but also serve as an additional networking and social media platform exclusively for Sri Lankan undergraduates.

3.1.1 Actors

1. Unregistered User:
2. Registered User:
3. University Representative:
4. Organizational Representative:
5. Website Admin:

3.1.2 Features

- User registration and login:

Users can register and log in using their university email addresses. The system will automatically validate the email domain to ensure that it is a valid university email address in Sri Lanka. Google authentication will also be used to validate the user's identity. Passwords will be hashed to store them securely and allow for quick access.

- Profile Management:

Users can create professional profiles by adding data such as personal bio-data, experiences, education, licenses and certifications, and volunteering. This is a great way to showcase their potential to society. The system provides facilities to update their profiles and more interesting features to enhance their personal profiles.

- Portfolio Generating:

The system can generate a portfolio for each user based on their profile data. This includes their work experience, education, licenses and certifications, and volunteer work. The portfolio can be customized by the user to add additional information, such as projects they have worked on, skills they have learned, and awards they have won.

- Build connections with fellow undergraduates:

Registered undergraduates can follow other undergraduates and maintain connections with them. Users can connect with other users by sending them friend requests. If the other user accepts the friend request, they will be able to see each other's profiles and contact information. For example, if one of your followers publishes a new knowledge post, the system will send you a notification. These features can help you to build strong connections with fellow undergraduates.

- Event posting and participation:

This platform makes it easy for users, including organizations and individuals to create, discover, and engage in events on campus. Users can post events with details such as title, description, date, time, location, and attachments. Other users can mark them as interested, or browse events by category, date, or location. This can help students to connect with their university community and find events that they are interested in.

- Job and Scholarship opportunities posting and participating:

Our platform will provide a space for external entities like companies to post job opportunities and scholarships. Undergraduates can filter the opportunities and easily apply for them. We will only allow undergraduates to apply for the opportunities, which will ensure that all applicants are verified undergraduates in our system. In the same way, undergraduates can find students with good potential to start new ideas like startups.

- Showcasing University Organizations:

UniHub.lk will offer a comprehensive feature that allows organizational representatives to create and maintain their organization profiles. Representatives can change the content related to their organization and manage their positions within it.

- Automated Reminders:

UniHub.lk will implement automated reminders to facilitate users. By using the Google Calendar API facility for events and jobs they can put reminders on them. Users can add event categories to their profiles. If someone uploads an event under that category, the system will automatically send an email notification to the user. If someone marks interest or participates in an event, the system will send notifications about the remaining date. This will keep users up-to-date on university events. They won't have to come to the website to check for updates. The system will also send reminders to users about deadlines and other important information for opportunities they have expressed interest in. Additionally, if a follower posts content on the site, the system will automatically send notifications to users who are following that publisher.

- Participation count gathering and user interaction tracking:

Registered users can mark their participation or interest in events and jobs. They can also react to knowledge base materials. This will help users to get an idea about the user interaction on events, jobs, and knowledge materials. It will also help publishers to get an idea about user interaction on published materials. The system will track the participation and reaction counts for events, jobs, and knowledge materials. This data can be used to see which content is most popular and to improve the user experience.

- **Recommendations:**

The platform can recommend events, jobs, and knowledge base materials to users based on their past event history and interests. This can help users to discover new content that they might be interested in. The system will track the events that users have participated in, the jobs that they have applied for, and the knowledge base materials that they have viewed. The system will use this data to create a profile of each user's interests and then recommend events, jobs, and knowledge base materials to users that are likely to be of interest to them.

- **Event Ratings and Reviews:**

Registered users can rate and review events and knowledge base materials. This will help other users to get an idea about the quality of the content. Users can rate events and knowledge base materials on a scale of 1 to 5 stars. They can also write reviews to provide more detailed feedback. The ratings and reviews will be visible to other users so that they can make informed decisions about which content to consume. This feature can help users to find high-quality content and to avoid wasting time on content that is not worth their time.

- **Polls to Collect Recommendations:**

Under the event section, the system facilitates publishing polls to gather user opinions on different events. This will help event organizers to get a better idea of user interaction at those events. Users can vote on polls and provide feedback on events. This feedback can be used by event organizers to improve their events and to make them more relevant to the interests of their audience.

- **Secure validation process:**

The system uses string pattern matching algorithms to validate the hyperlinks that users provide. This ensures that the hyperlinks are related to verified websites. If the hyperlinks are not on the verified website list, the system will automatically send a request to the admin to review the content. After reviewing the content, the admin can decide whether to add the website to the verified website list. This feature helps to ensure that the content that is shared on the platform is accurate and reliable.

- **Report problems:**

Registered users can report problems with shared content on the platform. This includes misleading information, harmful content, and technical problems. The admin will review the reports and take appropriate action. This could include removing the content, banning the user, or fixing the technical problem. This feature helps to ensure that the platform is reliable and safe for all users.

- Well-organized user-friendly interfaces:

Categorized, user-friendly interfaces are designed to make it easy for users to find the information and features they need. Our system uses categorized, user-friendly interfaces to organize the interface into four sections: Events, Organizations, Opportunities, and the user hub. This makes it easy for users to find what they are looking for and improves the user experience.

The Events section allows users to find and participate in events that are relevant to their interests. The Organizations section allows users to find and connect with organizations that they are interested in. The Opportunities section allows users to find and apply for jobs, scholarships, and other opportunities. The User Hub section allows users to manage their profiles, view their activity, and connect with other users.

3.2 Out of Scope

- New event **requests** should be reviewed manually by the university representative.
- Reports against website contents should be reviewed manually by the website admin.
- Marketplace (Expect to include in future)
- Advertisement spaces. (Expect to include in future)

04) Objectives & Strategies of the Project

4.1 Objectives

1. A vibrant platform where undergraduates can actively shape, explore, and participate in events, nurturing a lively community spirit. Gain entry to a comprehensive knowledge repository that enriches academic journeys.
2. Stay current with the latest updates relevant to Sri Lankan undergraduates, ensuring timely and relevant content.
3. Forge connections with external entities effortlessly. Unlock streamlined pathways for job opportunities and scholarships, providing trust and efficiency in engagement.
4. Amplify campus organizations through dedicated profiles. Seamlessly connect with these groups, fostering meaningful engagement.
5. Facilitate communication between students and organizations.
6. Create a dedicated space to showcase your university journey, enabling connections with fellow students possessing diverse potential.
7. Act as an inter-university network space, encouraging positive social media habits and meaningful connections.
8. Update undergraduates with new opportunities, minimizing the chance of missing out on valuable prospects through automation.

4.2 Strategies

1. Analyze the problems that Sri Lankan undergraduates face, because of the lack of a centralized digital platform for them.
2. Develop an idea to gather all their requirements on one platform.
3. Define a clear scope for the system.
4. Gather, discuss, and review the requirements to fulfill the end goal
5. Do a social feasibility test according to our proposed solution within a survey.
6. Design the system architecture.
7. Design a user-centric interface with a good user experience.
8. Develop the back end of the system.
9. Implement measures for data security and privacy.
10. Connect the front and back ends to build a functioning web application.
11. Integrate outside services such as an email service, Google calendar service, and Google map service.
12. Conduct testing to assure proper functionalities to meet undergraduate students' requirements.
13. Test the quality of the platform including usability, performance, and security.
14. Deploy and launch the web platform.
15. Maintain the platform with the help of user feedback.

05) Project Requirements

5.1 Stakeholders

6. Unregistered User:

Unregistered Users are the users who visit our website without creating profiles. They can be school students, university students, or any other user.

7. Registered User:

A registered user is basically an undergraduate student who has registered to the system by providing their university email address.

8. University Representative:

The university representative is also similar to the organizational representative, which can upload events organized by the relevant university. Each and every university can have a university representative.

9. Organizational Representative:

An organizational representative is also a registered user who is assigned to a specific organization, such as IEEE, AIESEC, etc., at each university. They can upload events organized by the relevant organization. As an example, there is one representative for IEEE at the University of Colombo, and there can be another representative for IEEE at the University of Moratuwa.

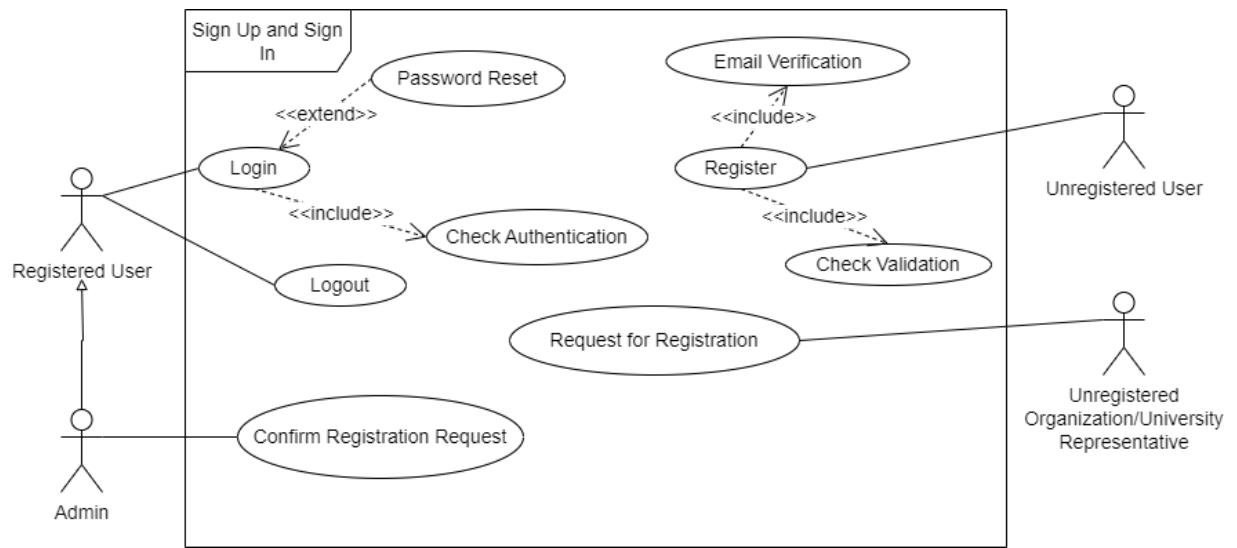
10. Website Admin:

The website admin is the one who manages the website.

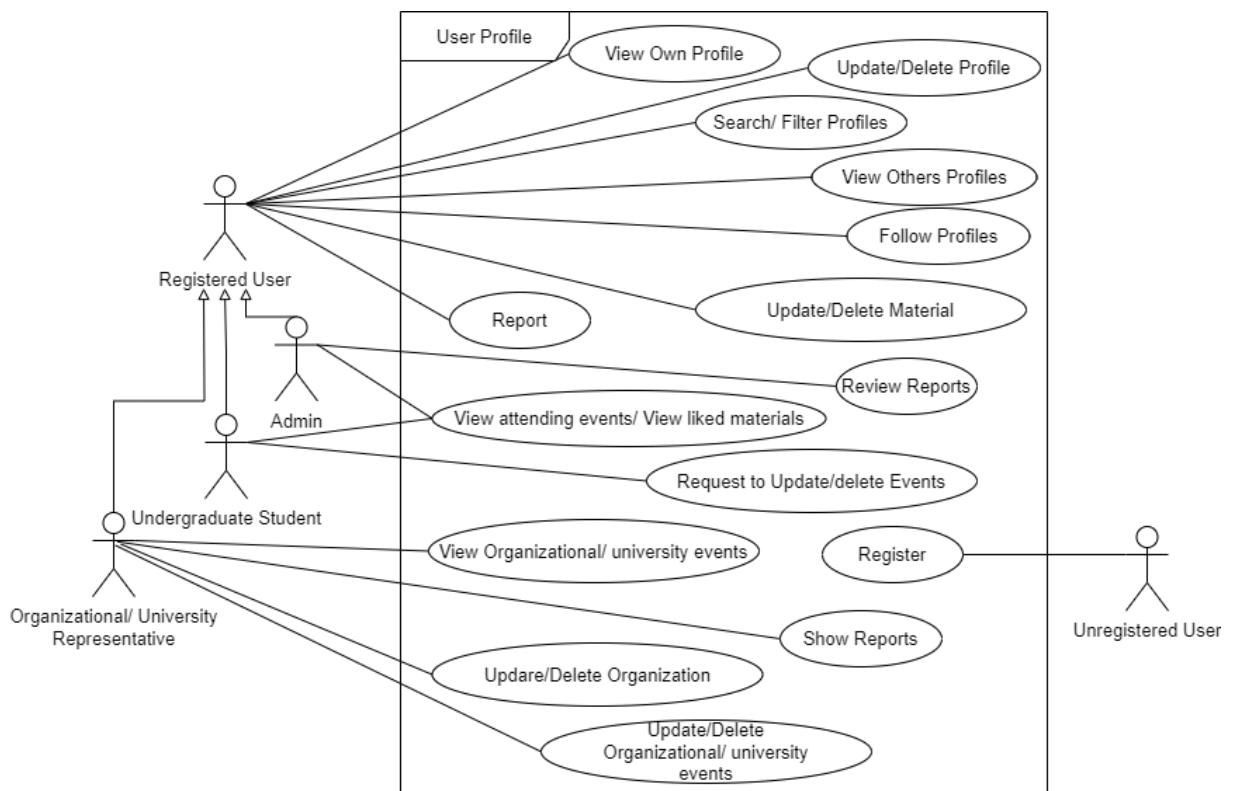
Events/ jobs/ organizations/ knowledge base.

5.2 Use Cases and Use Case Diagrams

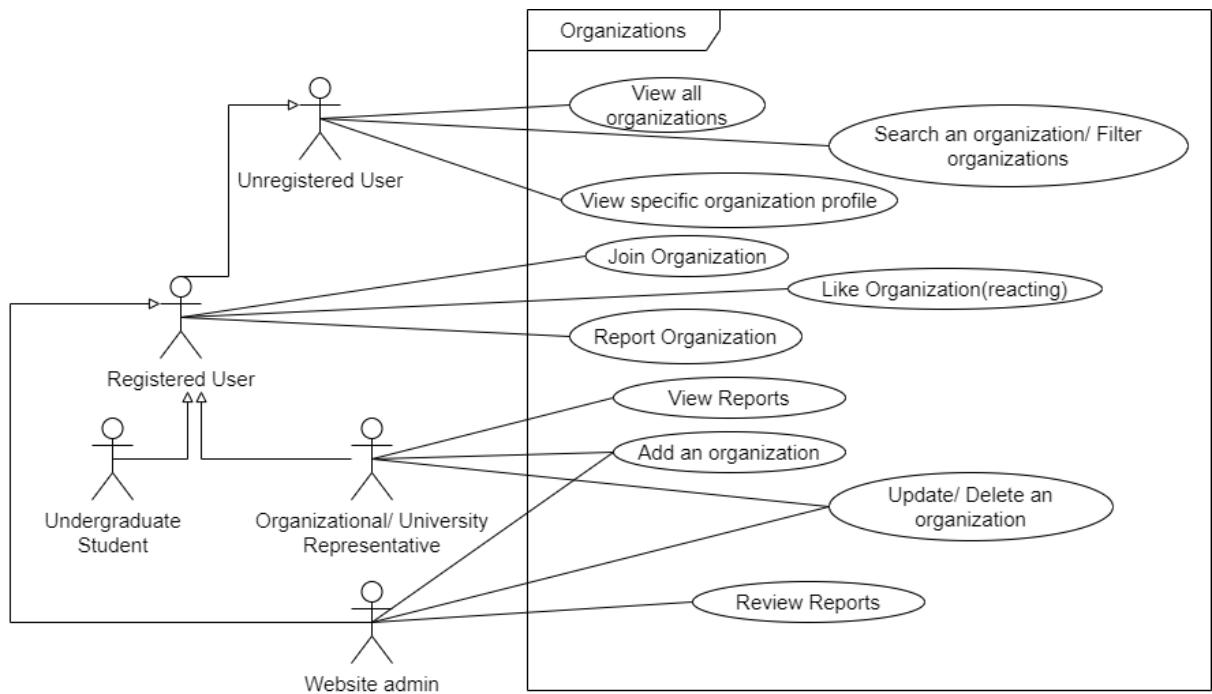
I. Sign Up and Sign In ([Link](#))



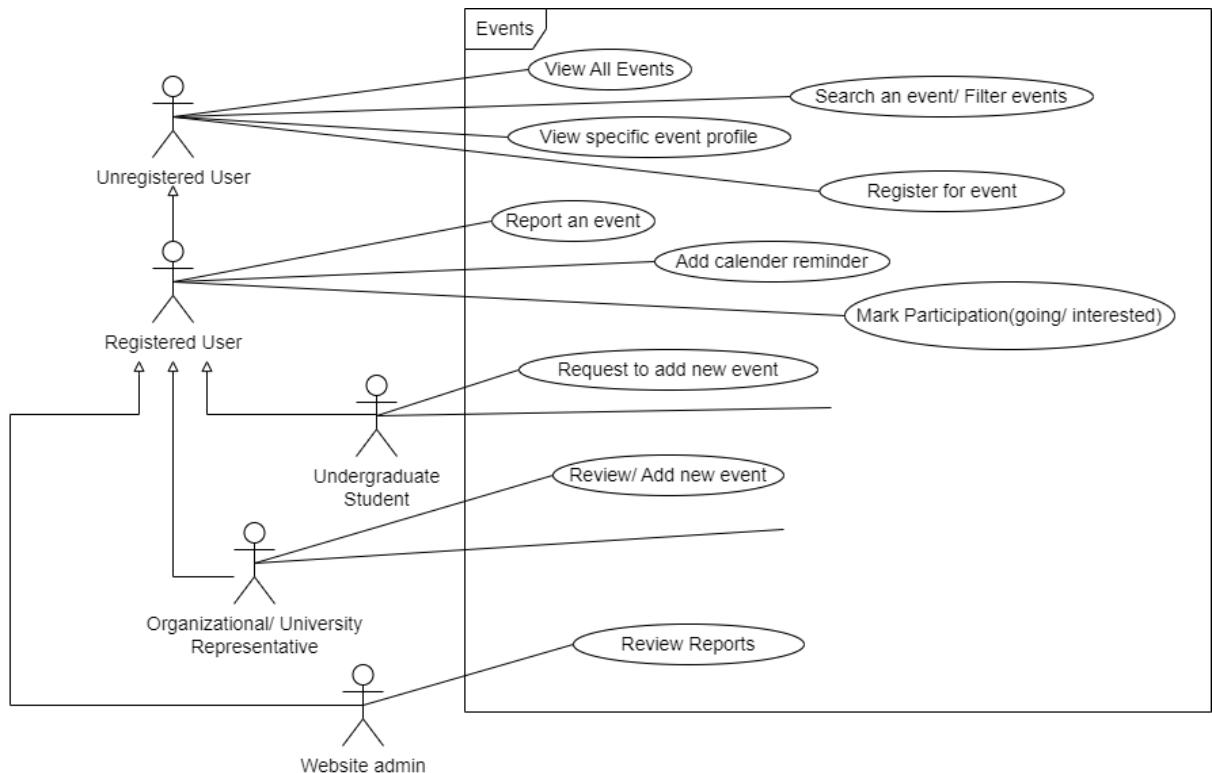
II. User Profiles ([Link](#))



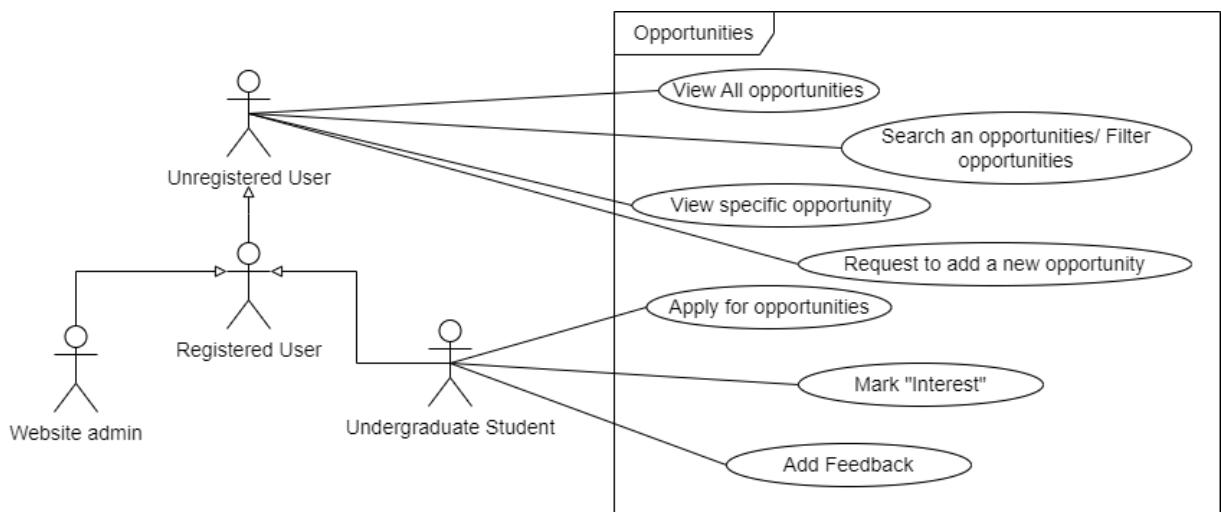
III. Organizations ([Link](#))



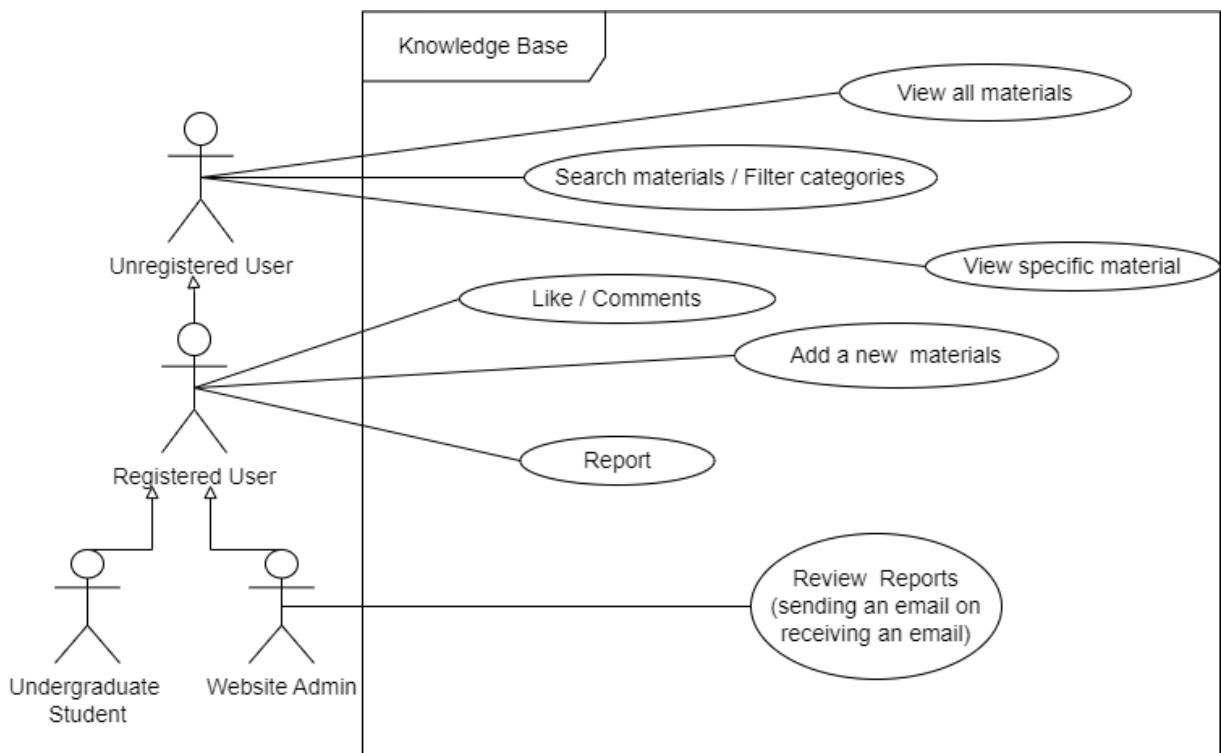
IV. Events ([Link](#))



V. Opportunities ([Link](#))



VI. Knowledge Base ([Link](#))



5.3 Use Case Descriptions

I. Sign Up and Sign In

| | |
|-----------------|--|
| Use Case ID | 01 |
| Use Case Name | Register |
| Primary Actor | Unregistered User (Unregistered Undergraduate Student) |
| Description | Users have to register to create their own profiles and to add details to the system |
| Pre-conditions | Users should have their own university email address. |
| Primary Flow | <ol style="list-style-type: none"> 1. The user clicks on “Register” 2. The system displays registration form 3. Users can enter a university email address and other details such as name, university, etc. 4. Users can set passwords 5. Users can confirm password 6. If the password and confirm password mismatch return to step 4. 7. User can click on “Register” 8. The system verifies the email with the domain of the email. 9. System Validates the email with the support of Google authentication. 10. Show a message saying a verification link will be sent through email, to verify the email address. 11. Users verify the email using the emailed link. 12. System saves data in the database. 13. Show a message saying complete registration. |
| Include/ Extend | Email Verification, Check Validation |
| Exceptions | Unregistered users exclude undergraduate students, already registered users, and invalid email addresses provided. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 02 |
| Use Case Name | Email Verification (Include of Register) |
| Primary Actor/s | - |
| Description | The email address provided by users should verify before registering with the system. |
| Pre-conditions | Users should input their email and other details to register and should click on “Register”. |
| Primary Flow | <ol style="list-style-type: none"> 1. User should have input an email address 2. System should separate the domain of the email address 3. System should compare that domain with the domains of universities which are already stored in the database. 4. If a domain matches the email domain then check if the email entered is valid or not. 5. If a domain match is not found, display a message to the user “Invalid Email Entered” and redirect to the “Register page” |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 03 |
| Use Case Name | Check Authentication (Include of Register) |
| Primary Actor/s | Registered User |
| Description | Check the credentials entered by the user when login is valid or not. |
| Pre-conditions | The user must be registered by providing details the very first time before login. |
| Primary Flow | <ol style="list-style-type: none"> 1. The user clicks on “Login” and enters the email address, and password and logs in. 2. System check email and password have been saved in the database. 3. If details are found in the database allow users to log in to the system 4. If not, a message saying Invalid Login. |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 04 |
| Use Case Name | Password Reset (Extend of Register) |
| Primary Actor/s | Registered User |
| Description | Registered users can reset their passwords if they have forgotten the password |
| Pre-conditions | The user must be registered by providing details the very first time before login. |
| Primary Flow | <ol style="list-style-type: none"> 1. The user clicks on “Login” and enters the email address 2. The system verifies the email address 3. Users can click on “Password reset” 4. The system emails a link to the ‘New password’ screen to the email address of the user account. 5. User uses the emailed link. 6. User adds a new password. |
| Exceptions | Unregistered Users |
| Post-conditions | - |
| Assumptions | User email address cannot be changed. |

| | |
|-----------------|--|
| Use Case ID | 05 |
| Use Case Name | Request for Registration |
| Primary Actor/s | Unregistered Organizational/ University Representative) |
| Description | Users have to register to create their own profiles and to add details to the system. |
| Pre-conditions | Users should have an email address provided by the relevant organization or university. |
| Primary Flow | <ol style="list-style-type: none"> 1. The user clicks on “Register” and then on “Organizational/University” 2. The system displays a registration request form 3. Users should fill that out and should provide the correct contact details. 4. Users can set a password and confirm it. 5. If the password and confirm password mismatch return to step 5. 6. User can click on “Request to Register” |
| Exceptions | Already registered organizational/university representative. |
| Post-conditions | Registration requests should be sent to the website admin. |

| | |
|-----------------|--|
| Use Case ID | 06 |
| Use Case Name | Confirm Registration Request |
| Primary Actor/s | Website Admin |
| Description | Website admin has to confirm/deny the registration requests have been sent by unregistered organizational/ university representatives. |
| Pre-conditions | Admin should log in to the system. |
| Primary Flow | <ol style="list-style-type: none"> 1. Click on “Handle request” 2. The system displays all the requests 3. Users can view them one by one 4. The user can confirm the request by clicking on the “Confirm” button while the user can deny the request by clicking on the “Reject” button 5. The system sends an email to the relevant email address by mentioning that the request is confirmed or rejected |
| Exceptions | - |
| Post-conditions | Registration request should send to the website admin. |
| Assumptions | Website admin is reviewing the request manually by contacting the relevant university or organization. |

| | |
|-----------------|--|
| Use Case ID | 07 |
| Use Case Name | Logout |
| Primary Actor/s | Registered User |
| Description | Users can log out from the system when they want to leave the website |
| Pre-conditions | Users should be logged in to the system |
| Primary Flow | <ol style="list-style-type: none"> 1. The user clicks on “Logout” 2. Redirect to the general homepage. |
| Exceptions | Unregistered User |
| Post-conditions | - |

| | |
|------------------|---|
| Use Case ID | 08 |
| Use Case Name | Login |
| Primary Actor/s | Registered Users (Registered undergraduate student, Registered organizational/ university representative, Website Admin) |
| Description | Users can log in to the system by providing the required credentials. If the password is forgotten, the user requests an option and the system will email a link to the owner's email account. |
| Pre-conditions | The user must be registered by providing details the very first time before login. |
| Primary Flow | <ol style="list-style-type: none"> 1. The user clicks on the “Login” button. 2. User enters email as user Id. 3. User enters the password. 4. User clicks “Login”. 5. Return to step 2 if the email and password are incorrect. 6. Users will be directed to the “Home” page. |
| Alternate | If users have forgotten the password they can reset the password. |
| Include/ Exclude | Password Reset (Extend), Check Authentication (Include). |
| Exceptions | Unregistered users. |
| Post-conditions | - |

II. User Profiles

| | |
|-----------------|--|
| Use Case ID | 09 |
| Use Case Name | View Own Profile |
| Primary Actor/s | Registered User |
| Description | The user can view their own profile with their details and the events or materials that they have added to the website. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Click on “My profile” 3. The system will display relevant profile 4. The user can view their own details and the history of the things that have been done like added events and materials etc. |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 10 |
| Use Case Name | Update Profile |
| Primary Actor/s | Registered User |
| Description | Users can update their profile with new details like newly added qualifications. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Click on “My profile” 2. Click on “Edit” 3. System displays profile details in editable mode. 4. User can change profile details(Add new details or edit details already added to the profile) 5. Users can click on “Save Changes” to save the changes that were made. 6. System saves updated data in the database 7. When the user clicks “Done” the system will be redirected to the updated profile |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 11 |
| Use Case Name | Delete Profile |
| Primary Actor/s | Registered User |
| Description | Users can delete their profile if they want. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Click on “My profile” 2. Click on “Delete” 3. Click on “Confirm” to confirm the deletion of the profile. 4. System deletes the relevant profile from the database |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 12 |
| Use Case Name | Search/Filter Profiles |
| Primary Actor/s | Registered User |
| Description | Users can search for others' profiles and also users can filter profiles. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Users can type the name of the relevant profile on the search bar or users can set/undo filters if need 3. Click on the “Search” button 4. Users can view the result set after searching |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 13 |
| Use Case Name | View Others' Profiles |
| Primary Actor/s | Registered User |
| Description | Users can view other users' profiles. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Users can click on "View Profile" in the relevant profile 3. The user can view the materials or events that profile owners have added etc. |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 14 |
| Use Case Name | Follow Profile |
| Primary Actor/s | Registered User |
| Description | Users can follow other users' profiles if there are any important materials added by that person and users can get notifications if that person has added a new item to the website or any other update. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Users can click on "Follow" in the relevant profile 3. The system sends notifications to the user if there is any update in that relevant profile. |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 15 |
| Use Case Name | Update materials |
| Primary Actor/s | Registered User |
| Description | Users can request to update materials in the knowledge base section. |
| Pre-conditions | User should have logged in to the website |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Click on “My Profile” 3. The system will show all the materials added by the user. 4. Users select the specific material. 5. Show materials request form with already existing data. 6. System request to fill data in relevant fields. 7. Update the data in the fields. 8. Select the “Update Materials” option. |
| Exceptions | Mandatory fields are not filled properly. |
| Post-conditions | Send the update request to the relevant university representative. |

| | |
|-----------------|---|
| Use Case ID | 16 |
| Use Case Name | Delete materials |
| Primary Actor/s | Registered User |
| Description | Registered users can request to delete the materials he/she has uploaded. |
| Pre-conditions | User should have logged in to the website |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “ My Profile” section. 2. Select “Knowledge Base”. 3. System will show all the materials added by the user. 4. Select the “ Delete Materials” option. |
| Exceptions | - |
| Post-conditions | Send the delete request to the relevant university representative. |

| | |
|-----------------|--|
| Use Case ID | 17 |
| Use Case Name | Report |
| Primary Actor/s | Registered User |
| Description | Users can report accounts if there is any issue. |
| Pre-conditions | User should have logged in to the website |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Users can click on “Report” in the relevant profile |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 18 |
| Use Case Name | Review Report |
| Primary Actor/s | Website Admin |
| Description | Website admin can view all the reports. |
| Pre-conditions | Admin should have logged in to the website |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Users can click on “Reports” 3. Users can view all the reports 4. Fill in the field “Action” 5. Click on “Send Report” or “Close” 6. Redirect to the “Report” section. |
| Exceptions | - |
| Post-conditions | - |
| Assumptions | Admin reviews the reports manually |

| | |
|-----------------|--|
| Use Case ID | 19 |
| Use Case Name | View attending events/ View liked materials |
| Primary Actor/s | Undergraduate Student, Admin |
| Description | Users can view attending events and view materials that they have liked within their profiles. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <p>User should visit the profile section of the website</p> <ol style="list-style-type: none"> 1. View attending events <ul style="list-style-type: none"> o Click on “Attending Events” o Display all the attending events o Select an event o Redirect to the page containing details of the relevant event 2. View Liked materials <ul style="list-style-type: none"> o Click on “Liked Materials” o Display all the liked materials o Select a material o Redirect to the page of relevant material exists |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 20 |
| Use Case Name | View Organizational/ University Events |
| Primary Actor/s | Organizational/ University Representative |
| Description | Representatives can view events that they have added to the system on their profile. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Users can view all the events that they have added to the system 3. Users can view events one by one 4. Redirect to the relevant event page. |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 21 |
| Use Case Name | Show Reports |
| Primary Actor/s | Organizational/ University Representative |
| Description | Representatives can view reports on their organization. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Users should visit the profile section of the website 2. Users can click on “Show Reports” 3. Users can view reports and details about those reports |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 22 |
| Use Case Name | Request to update an event. |
| Primary Actor/s | Registered Undergraduate |
| Description | Registered undergraduates can request to update event data. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select “Events” under my profile section. 3. System will show all the events added by the user. 4. Users select the event. 5. Show the event request form with already existing data. 6. System request to fill data in relevant fields. 7. Update the data in the fields. 8. Select the “Update Event” option. |
| Exceptions | Mandatory fields are not filled properly. |
| Post-conditions | Send the update request to the relevant university representative. |

| | |
|-----------------|---|
| Use Case ID | 23 |
| Use Case Name | Request to delete an event. |
| Primary Actor/s | Registered Undergraduate |
| Description | Registered undergraduates can request to delete an event, he already added to the event section. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select “Events” under my profile section. 3. System will show all the events added by the user. 4. Select the “Delete Event” option. |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 24 |
| Use Case Name | Update Organization |
| Primary Actor/s | Registered Organizational/ University Representative |
| Description | Representatives can update their profiles |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Click on “My profile” 2. Click on “Edit” 3. System displays profile details in an editable mode. 4. User can change profile details (Add new details or edit details already added to the profile) 5. Users can click on “Save Changes” to save the changes that were made. 6. System saves updated data in the database 7. When the user clicks “Done” the system will be redirected to the updated profile |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 25 |
| Use Case Name | Delete Organization |
| Primary Actor/s | Registered Organizational/ University Representative |
| Description | Users can delete their profile if they want. |
| Pre-conditions | User should have logged in to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Click on “My profile” 2. Click on “Delete” 3. Click on “Confirm” to confirm the deletion of the profile. 4. System deletes the relevant profile from the database |
| Exceptions | - |
| Post-conditions | - |

III. Organizations

| | |
|-----------------|---|
| Use Case ID | 26 |
| Use Case Name | View All Organizations |
| Primary Actor | Unregistered User, Registered User |
| Description | These actors can view all the organizations under the “Organizations” section. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Organizations” section. 2. Select the “View All” option. |
| Exceptions | No organizations to show. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 27 |
| Use Case Name | Search and Filter Organizations |
| Primary Actor | Unregistered User, Registered User |
| Description | Users can search organizations by using provided filtering and search bar options. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. These actors can find organizations by using filters and the search bar. 2. Search events according to the data. 3. If there are events that match the given data, the system will show them. 4. Otherwise, the system will show as “No Events”. |
| Exceptions | No events to show. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 28 |
| Use Case Name | View a Specific Organization Profile |
| Primary Actor | Unregistered User, Registered User |
| Description | Users can view data in any specific organization. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Organizations” section. 2. Get organization/s from view all/ search or filtering options. 3. Select the organizational profile. 4. Go inside the profile. 5. View the content of the organization. |
| Exceptions | The searched/ filtered organization/s are not available. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 29 |
| Use Case Name | Join an Organization |
| Primary Actor | Registered User |
| Description | Registered users can join an organization of their choice through the website. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Organizations” section. 2. Get organization/s from view all/ search or filtering options. 3. Select the organizational profile. 4. Go inside the profile. 5. Click on the “Join Organization” button next to the organization they want to join. 6. The user is redirected to a registration form. 7. The system adds the user to the list of people who have joined the organization. |
| Exceptions | - |
| Post-conditions | Redirect the user to a given form link. |

| | |
|-----------------|---|
| Use Case ID | 30 |
| Use Case Name | Like an Organization |
| Primary Actor | Registered User |
| Description | Users can like an organization. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Organizations” section. 2. Get organization/s from view all/ search or filtering options. 3. Select the organizational profile. 4. Go inside the profile. 5. Click on the “Like” button. 6. The system adds the user to the list of people who liked the organization. |
| Exceptions | - |
| Post-conditions | <ul style="list-style-type: none"> • Increase the number of likes in the system and show it in the organizational profile. • Add the organization to the liked organizations list in the user’s profile. |

| | |
|-----------------|--|
| Use Case ID | 31 |
| Use Case Name | Report an Organization |
| Primary Actor | Registered User |
| Description | If there is any problem with the organizational profile, a registered user can report that organization. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Organizations” section. 2. Get organization/s from view all/ search or filtering options. 3. Select the organizational profile. 4. Go inside the profile. 5. Select the “Report Organization” option. 6. Fill in the required fields that are needed to submit a report. 7. Submit the report. |
| Exceptions | - |
| Post-conditions | Send the report to the website admin. |

| | |
|-----------------|---|
| Use Case ID | 32 |
| Use Case Name | View Reports |
| Primary Actor | Organizational/ University Representative |
| Description | The organizational/ university representative can view the reports made by the registered users on their profiles. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select “Show Reports” under my profile section. 3. Users can view reports individually and all the details regarding the reports. |
| Exceptions | - |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 33 |
| Use Case Name | Add an Organization |
| Primary Actor | Organizational/ University Representative, Website Admin |
| Description | Users can add an organization to the system by providing an email address provided by the university or the organization and other proof that are necessary. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Organizations” section. 2. Select the “Add Organization” option. 3. Fill in the details and add proof for the required fields in the given form. 4. Click on the “Add Organization” button at the end of the form. |
| Exceptions | Mandatory fields are not filled properly. |
| Post-conditions | Add organization to the “Organizations” section. |

| | |
|-----------------|--|
| Use Case ID | 34 |
| Use Case Name | Update Organization |
| Primary Actor | Organizational/ University Representative, Website Admin |
| Description | Users can update their organizational profile. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select the “Edit” option under my profile section. 3. System displays profile details in an editable mode. 4. User can change profile details (Add new details or edit existing details). 5. Users can click on “Save Changes” to save the changes that were made. 6. The user will be redirected to the updated profile. |
| Exceptions | - |
| Post-conditions | The system saves updated data in the database. |

| | |
|-----------------|---|
| Use Case ID | 35 |
| Use Case Name | Delete an Organization |
| Primary Actor | Organizational/ University Representative, Website Admin |
| Description | Users can delete their organizational profile. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select the “Delete Profile” option under my profile section. 3. Click on the “Confirm” button to confirm the deletion of the profile. |
| Exceptions | - |
| Post-conditions | System deletes the relevant profile from the database. |

| | |
|-----------------|---|
| Use Case ID | 36 |
| Use Case Name | Review Reports |
| Primary Actor | Website Admin |
| Description | Website admin can review the reports made by registered users on organizational profiles and take necessary actions needed. |
| Pre-conditions | User should be logged into the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select “Reports” under my profile section. 3. User can view all the reports. 4. User can select individual reports and all the details regarding the reports. 5. Fill in the field “Action”. 6. Click on “Send Report” or “Close”. 7. The user will be redirected to the “Reports” Section. |
| Exceptions | - |
| Post-conditions | - |
| Assumptions | Admin reviews the reports manually. |

IV. Events

| | |
|-----------------|--|
| Use Case ID | 37 |
| Use Case Name | View All Events |
| Primary Actor | Unregistered User/ Registered User |
| Description | These actors can view all events displayed under the event category. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 3. Go to the “Events” section. 4. Select the “View All” option. |
| Exceptions | No events to show. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 38 |
| Use Case Name | Search events/ Filter opportunities |
| Primary Actor | Unregistered User/ Registered User |
| Description | Users can search events by using provided filtering and search bar options. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. These actors can find events by using filters and search bars. 2. Search events according to the data. 3. If there are events that match the given data, the system will show them. 4. Otherwise, the system will show as “No Events”. |
| Exceptions | No events to show. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 39 |
| Use Case Name | View Specific Event |
| Primary Actor | Unregistered User/ Registered User |
| Description | Users can view data in any specific event. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Events” section. 2. Get event/s from View All/ Search or filtering options. 3. Select the event profile. 4. Go inside the event. 5. View the content of the event. |
| Exceptions | The searched/ filtered event/s are not available. |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 40 |
| Use Case Name | Register for event |
| Primary Actor | Unregistered User/ Registered User |
| Description | Website users can register with the event. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Events” section. 2. Get event/s from View All/ Search or filtering options. 3. Select the event profile. 4. Go inside the event. 5. Select the “Register” option. |
| Exceptions | - |
| Post-conditions | Redirect the user to a given registering link. |

| | |
|-----------------|---|
| Use Case ID | 41 |
| Use Case Name | Report an event. |
| Primary Actor | Registered User |
| Description | If there is any problem or misleading information with an event, registered users can report that event. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Events” section. 2. Get event/s from View All/ Search or filtering options. 3. Select the event profile and go inside the event. 4. Select the “Report Event” option. 5. Fill in the required fields that are needed to put in a report. 6. Submit the report. |
| Exceptions | - |
| Post-conditions | Send the report to the website admin. |

| | |
|-----------------|---|
| Use Case ID | 42 |
| Use Case Name | Add Calendar reminder/ Mark Participation |
| Primary Actor | Registered User |
| Description | Registered users can add calendar reminders for the events they are interested in. And also they can mark their participation. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Events” section. 2. Get event/s from View All/ Search or filtering options. 3. Select the event profile. 4. Go inside the event. 5. If someone needs to add a calendar reminder to the event, they need to click on the “Calendar Reminder” option. 6. If someone needs to mark participation in an event, they need to click on the “Going/ Interested” option. |
| Exceptions | - |
| Post-conditions | <ul style="list-style-type: none"> ● Add a Calendar reminder to the user’s Google calendar. ● Increase the number of Going/ Interest counts in the system and show it in the event profile. |

| | |
|-----------------|---|
| Use Case ID | 43 |
| Use Case Name | Request to add a new event. |
| Primary Actor | Registered Undergraduate |
| Description | Registered undergraduates can request to add an event in our site. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Events” section. 2. Select the “Request Event” option. 3. Fill in the data for required fields with the given form. 4. Select the “Send Request” option. |
| Exceptions | Mandatory fields are not filled properly. |
| Post-conditions | Send the request to the relevant university representative. |

| | |
|-----------------|---|
| Use Case ID | 44 |
| Use Case Name | Review event requests. |
| Primary Actor | Registered University Representative/ Website admin. |
| Description | Review the event requests. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Go to the “Requests” section. 3. System shows all event requests. (Add/ Update/ Delete) 4. Select an event requested by a user. 5. Select “Accept” or “Reject”. |
| Exceptions | - |
| Post-conditions | <ul style="list-style-type: none"> • System updates the database. • Redirect the user to the “Requests” section. |

| | |
|-----------------|--|
| Use Case ID | 45 |
| Use Case Name | Add new event. |
| Primary Actor | Registered University/ Organizational Representative |
| Description | Actor can directly add an event to our event section. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Events” section. 2. Select the “Add Event” option. 3. Fill in the data for the required fields in the given form. 4. Select the “Add Event” option. |
| Exceptions | Mandatory fields are not filled properly. |
| Post-conditions | Add event to the event section. |

| | |
|-----------------|--|
| Use Case ID | 46 |
| Use Case Name | Update an event. |
| Primary Actor | Registered University/ Organizational Representative |
| Description | Actor can directly update an event in the event section. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select “Events” under my profile section. 3. System will show all the events added by the user. 4. User selects the event. 5. Show the event request form with already existing data. 6. System request to fill data in relevant fields. 7. Update the data in the fields. 8. Select the “Update Event” option. |
| Exceptions | Mandatory fields are not filled properly. |
| Post-conditions | Update data of the event in the database. |

| | |
|-----------------|---|
| Use Case ID | 47 |
| Use Case Name | Delete an event. |
| Primary Actor | Registered University/ Organizational Representative |
| Description | Registered university/ organizational representatives can directly delete the events they added under their university or organization. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select “Events” under my profile section. 3. System will show all the events added by the user. 4. Select the “Delete Event” option. |
| Exceptions | - |
| Post-conditions | Update the events database. |

| | |
|-----------------|---|
| Use Case ID | 48 |
| Use Case Name | Review Reports. |
| Primary Actor | Website admin |
| Description | Website administrator can view all reports and get suitable action for them. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Go to the “Reports” section. 3. Select the report. 4. Manually review the report. 5. Fill the field, “Action”. 6. Select “Send Report” or “Close”. |
| Exceptions | - |
| Post-conditions | If the admin selects “Send Report”, the system should send a report>Email to the user who are request that report. Redirect to the “Reports” section. |

| | |
|-----------------|--|
| Use Case ID | 49 |
| Use Case Name | Mark Participation |
| Primary Actor | Registered User |
| Description | Website users can mark their participation as “Interest” or “Going” on the event profile. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Events” section. 2. Get events by using view all/ search bar/fitter events. 3. Select the event profile. 4. Go inside the profile. 5. Select the “Going” or “Interested” option. |
| Exceptions | - |
| Post-conditions | Update the database according to reaction. |

V. Opportunities

| | |
|-----------------|---|
| Use Case ID | 50 |
| Use Case Name | View All Opportunities |
| Primary Actor | Unregistered User/ Registered User |
| Description | These actors can view all opportunities displayed under the opportunities category. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Opportunities” section. 2. Select the “View All” option. |
| Exceptions | No opportunities to show. |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 51 |
| Use Case Name | View Specific Opportunity |
| Primary Actor | Unregistered User/ Registered User |
| Description | Users can view data in any specific opportunity. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Opportunities” section. 2. Get opportunity/s from View All/ Search or filtering opportunities. 3. Select the opportunity profile. 4. Go inside the opportunity. 5. View the content of the opportunity. |
| Exceptions | The searched/ filtered opportunity/s are not available. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 52 |
| Use Case Name | Search Opportunities/ Filter Opportunities |
| Primary Actor | Unregistered User/ Registered User |
| Description | Users can search opportunities by using provided filtering and search bar options. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. These actors can find opportunities by using filters and search bars. 2. Search opportunities according to the data. 3. If there are opportunities which are matching with given data system will show them. 4. Otherwise, the system will show as “No opportunities”. |
| Exceptions | No events to show. |
| Post-conditions | - |

| | |
|-----------------|--|
| Use Case ID | 53 |
| Use Case Name | Request to add new opportunity |
| Primary Actor | Unregistered User/ Registered User |
| Description | External entities like companies can request to add new opportunities into our system. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Opportunities” section. 2. Select the “Add Opportunity” option. 3. Add data into the required fields in the form. 4. Select “Send Request”. |
| Exceptions | The required fields of requesting form are not filled properly. |
| Post-conditions | Add request to website admin. |

| | |
|-----------------|---|
| Use Case ID | 54 |
| Use Case Name | Apply for opportunities. |
| Primary Actor | Registered Undergraduate User |
| Description | Registered undergraduates can apply for opportunities. |
| Pre-conditions | Login to the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Opportunities” section. 2. Get opportunities by viewing all/ Search/ Filter opportunities. 3. Select the opportunity profile. 4. Go inside the opportunity. 5. Select the “Apply” option. |
| Exceptions | - |
| Post-conditions | Redirect the user to the applying link. |

| | |
|-----------------|--|
| Use Case ID | 55 |
| Use Case Name | Mark Interest |
| Primary Actor | Registered Undergraduate |
| Description | If some undergraduate is interested in any published opportunity, they can mark their interest as “Interest” on opportunities profiles. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Opportunities” section. 2. Get the event by using view all/ search bar/filter opportunities. 3. Select the opportunity profile. 4. Go inside the profile. 5. Select the “Interest” option. |
| Exceptions | - |
| Post-conditions | Update the database according to reaction. |

| | |
|-----------------|---|
| Use Case ID | 56 |
| Use Case Name | Add Feedback |
| Primary Actor | Registered Undergraduate |
| Description | Undergraduates students can add their feedback on opportunities experienced they gained. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Opportunities” section. 2. Get the event by using view all/ search bar/filter opportunities. 3. Select the opportunity profile. 4. Go inside the profile. 5. Add feedback into the feedback section. 6. Select “Add feedback”. |
| Exceptions | - |
| Post-conditions | Add feedback to the feedback list. |

VI. Knowledge Base

| | |
|-----------------|--|
| Use Case ID | 57 |
| Use Case Name | View All Materials |
| Primary Actor | Unregistered User / Registered User |
| Description | These actors can view all materials displayed under the Knowledge Base category. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Knowledge Base” section. 2. Select the “view all materials” option. |
| Exceptions | No materials to show. |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 58 |
| Use Case Name | Search Materials / Filter Categories |
| Primary Actor | Unregistered User / Registered User |
| Description | Users can search materials using provided filtering and/or search bar options. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. These actors can find materials using filters and/or search bars. 2. Search Materials according to the data. 3. If the search query matches the data in the system, it will show them. 4. Otherwise, the system will show as “No Materials” |
| Exceptions | No materials to show. |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 59 |
| Use Case Name | View Specific Materials |
| Primary Actor | Unregistered User / Registered User |
| Description | Users can view data in any specific materials. |
| Pre-conditions | - |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Knowledge Base” section. 2. Show all materials. 3. The actor selects specific material. 4. Go inside the selected material and show the content. |
| Exceptions | The searched/ filtered materials are not available. |
| Post-conditions | - |

| | |
|-----------------|---|
| Use Case ID | 60 |
| Use Case Name | Like/ Comments |
| Primary Actor | Registered User |
| Description | The registered user can like and comment on materials. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section 2. Go to the “Knowledge Base” section. 3. Show all materials. 4. The actor selects specific materials. 5. Go inside the selected material and select the “Like/Comments” option. 6. If you like this material, press the like button and/or add a comment, then press the submit button. |
| Exceptions | - |
| Post-conditions | Update Database. |

| | |
|-----------------|---|
| Use Case ID | 61 |
| Use Case Name | Request to Update Materials |
| Primary Actor | Registered Undergraduate |
| Description | Registered Undergraduates can request to update materials on our site. |
| Pre-conditions | Login with the website |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “My Profile” section. 2. Select “Knowledge Base” under my profile section. 3. The system will show all the materials added by the user. 4. Users select the materials. 5. Show materials request form with already existing data. 6. System request to fill data in relevant fields. 7. Update the data in the fields. 8. Select the “Update Materials” option. |
| Exceptions | Mandatory fields are not filled properly |
| Post-conditions | Update data of the materials in the database. |

| | |
|-----------------|--|
| Use Case ID | 62 |
| Use Case Name | Request to Delete Materials. |
| Primary Actor | Registered Undergraduate. |
| Description | Registered Undergraduates can request to delete materials in our system. |
| Pre-conditions | Login with the website |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to “My Profile” 2. Select the “Knowledge Base” under my profile section. 3. The system will show all the materials added by the user. 4. Users select the materials. 5. Select the delete material option. |
| Exceptions | - |
| Post-conditions | Update the Knowledge Base database. |

| | |
|-----------------|--|
| Use Case ID | 63 |
| Use Case Name | Add New Materials |
| Primary Actor | Registered User |
| Description | Registered users can request to add new materials to our system. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “knowledge base” section. 2. Select “Add new materials”. 3. Add data into the required fields in the form. 4. Select “Send Request”. |
| Exceptions | The required fields of the requesting form are not filled properly. |
| Post-conditions | Add a request to the website admin. |

| | |
|-----------------|---|
| Use Case ID | 64 |
| Use Case Name | Report Materials |
| Primary Actor | Registered User |
| Description | If there is any problem or misleading information with a material, registered users can report that material. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “Knowledge Base” section. 2. Get materials from view All / Search or filtering options. 3. Go inside the material. 4. Select the “Report Material” option. 5. Fill in the required fields that are needed to submit a report. 6. Submit the report. |
| Exceptions | - |
| Post-conditions | Send the report to the website admin. |

| | |
|-----------------|--|
| Use Case ID | 65 |
| Use Case Name | Review Reports |
| Primary Actor | Website admin |
| Description | Website administrator can view all reports and get suitable action for them. |
| Pre-conditions | Login with the website. |
| Primary Flow | <ol style="list-style-type: none"> 1. Go to the “ My Profile” section. 2. Go to the “ Reports” section. 3. Select the reports. 4. Manually review the report. 5. Fill the field, “ Action”. 6. Select “ Send Report ” or “ Close”. |
| Exceptions | - |
| Post-conditions | If the admin selects “ Send Reports”, the system should send a report>Email to the user who requested that report. Redirect to the “Reports” section. |

5.4 Functional Requirements

5.1.1 Functionalities

1. User registration and login

- Users should be able to register for the platform using their university email addresses.
- The system should automatically validate the email domain to ensure it belongs to a valid university in Sri Lanka. Only email addresses with recognized university domains should be accepted.
- Users should have the option to authenticate using their Google accounts to validate their identity.
- Passwords entered by users should be securely hashed before storage in the database.
- During registration, users should be required to agree to the platform's terms of use and privacy policy.

2. Profile management

- Registered users should be able to create their professional profiles on the platform.
- Users should be able to provide details in various sections, including personal bio, work experience, education, skills, licenses, certifications, and volunteering.
- The system should allow users to customize the appearance and layout of their profiles to reflect their personal branding.
- Users should be able to edit and update their profile information at any time.

3. Build connections with fellow undergraduate students

- Users should be able to send and accept friend requests.
- The system should notify users about new content from their connections.

4. Portfolio generating

- The system should be able to automatically generate portfolios based on user profile data.
- Users should be able to customize their portfolios with additional information.

5. Event posting and participation

- Users, including organizations and individuals, should be able to create and post events.
- Events should be categorized based on type, topic, or theme to facilitate easy discovery and filtering.
- Users should have the option to set the privacy level of events (public, private, invitation-only).
- Users should be able to register and participate in events they are interested in.
- Users should be able to browse and discover events based on categories, dates, locations, and other criteria.
- Users should have the option to mark events as "interested" to indicate their intention to attend or learn more about the event.
- The system could allow attendees to provide feedback or reviews about the quality and experience of the event.
- The system could feature certain events or highlight trending events based on popularity or relevance.
- For events with limited space, the system could include an RSVP management system to control attendance.

6. Job and scholarship opportunities posting and applying

- External entities (companies, organizations) should be able to create and post job and scholarship opportunities.
- Opportunities should be categorized based on fields, industries, or other relevant criteria to facilitate easy filtering for users.
- Only registered and verified undergraduate users should be able to view and apply for job and scholarship opportunities. This restriction ensures that applications are from genuine undergraduate students.
- The system should send reminders to users about approaching application deadlines for opportunities they have expressed interest in.
- The system could allow users to provide feedback on their application experiences or rate the quality of opportunities.

7. Showcasing university organizations

- Organizational representatives should be able to create profiles for their university organizations.
- Representatives should have the ability to update and manage content related to their organization.
- Representatives should be able to manage positions within the organization, such as adding or removing members, leaders, and advisors.
- Organizations should be able to share events, news, articles, and other content through their profiles.
- Users should have the option to follow organizations they are interested in. Following an organization should provide users with updates on the organization's activities.

- Organizations should have access to analytics that show user interactions with their profiles and content. Analytics could include views, follower counts, engagement rates, and more.
- Organizations should be able to send notifications or announcements to their followers. Notifications could be about upcoming events, news, or other updates.
- The system should have mechanisms for users to report inappropriate content or behavior related to organization profiles.

8. Automated reminders

- Registered users should be able to set up automated reminders for specific events and job opportunities.
- The system should integrate with Google Calendar to allow users to sync events and job reminders with their personal calendars.
- Users should be able to select event categories they are interested in and want to receive notifications for. When an event is uploaded in a selected category, the system should automatically send an email notification to the user.
- If a user marks interest or participates in an event, the system should send notifications about the remaining date. This feature keeps users informed about upcoming events they are interested in.
- Users who have expressed interest in job or scholarship opportunities should receive reminders about approaching deadlines.
- If a user follows a content publisher, the system should automatically send notifications when that publisher posts new content.

9. Participation count gathering and interaction tracking

- Registered users should be able to mark their participation or interest in events and jobs.
- Users should be able to react to knowledge base materials by selecting from predefined reactions (e.g., thumbs up, thumbs down, like).
- The system should track the number of participants and interested users for each event and job.
- Users should have the option to sort events, jobs, and knowledge materials based on participation or reaction counts. This feature enables users to discover the most engaging content.
- The system should provide mechanisms to rank or highlight content based on high participation or positive reactions. This helps promote valuable and well-received content.
- Administrators should have access to detailed analytics on user interactions to identify trends and insights.

10. Recommendations

- The platform should be able to recommend events, jobs, and knowledge base materials to users based on their past event history and interests.
- The system should generate a list of recommended events, jobs, and knowledge base materials for each user.
- It should prioritize recommendations based on relevance to the user's profile.
- System should push email notifications including recommendations for users.
- The system should periodically refresh recommendations to ensure that they remain up-to-date and relevant to the user's current interests.

11. Event ratings and reviews

- Registered users should be able to rate events and knowledge base materials.
- Users should have the option to provide a star rating from 1 to 5, indicating their assessment of the content's quality.
- Users should have the ability to edit or delete their reviews after submission.
- There should be an option to make adjustments or remove reviews if needed.
- Users should be able to read reviews and see average ratings to make informed decisions.
- Users should be able to sort and filter events and content based on their average rating or the number of reviews. This feature will help users find the most highly-rated content quickly.
- Only registered users should be able to submit ratings and reviews.
- Users should not be able to submit multiple reviews for the same event or content.
- The system should allow users to report inappropriate or harmful reviews.
- Administrators should have the ability to review reported content and take appropriate actions.

12. Polls to collect recommendations

- Event organizers should be able to create polls related to specific events to gather user opinions.
- Organizers should be able to set the duration for which the poll will be active.
- Users should have the option to provide additional comments or feedback along with their votes.
- The system could send reminders to users to participate in active polls.

13. Secure validation process

- The system should validate hyperlinks provided by users to ensure they are related to verified websites.
- The system should maintain a list of verified and trusted websites that are considered safe for sharing.
- The system should implement string pattern matching algorithms to analyze the provided hyperlinks.
- If the hyperlink does not match the verified website list, the system should automatically trigger a request to the admin for review.
- Admins should receive notifications about pending hyperlink review requests.
- Admins should have the ability to review the content of the hyperlink and make a decision.
- Users should receive notifications about the status of their submitted hyperlinks (approved, pending review, rejected).
- Admins should periodically review and update the verified website list to ensure its accuracy.

14. Reporting problems

- Registered users should have the ability to report various types of problems with shared content on the platform.
- Optionally, users could have the choice to report problems anonymously to protect their identity.
- Admins should receive notifications about reported problems and be able to review the details.
- Admins should be able to take appropriate actions based on the severity of the reported problem.

15. Well-organized user-friendly interfaces

- The main navigation bar should prominently display the categorized sections: Events, Organizations, Opportunities, and User Hub.
- Each section (Events, Organizations, Opportunities, User Hub) should have its own dedicated landing page.
- The user interface should be designed with user-friendliness in mind, offering intuitive navigation and easy access to features.
- Users should be able to search for content within each section and apply filters to narrow down results.
- The interface should be responsive and adaptable to various screen sizes and devices for a consistent experience.

5.2 Quality Attributes

5.2.1 Usability

The platform prioritizes user-friendliness through well-organized and categorized interfaces, ensuring that users can easily navigate and access the various features. Intuitive profile management, portfolio generation, and event creation tools enhance user engagement and streamline content creation. Additionally, personalized recommendations based on user interests enhance content discovery. Polls and interactive features gather user opinions, fostering active participation and community involvement. The system's emphasis on clear, informative event details, reviews, and event ratings contributes to a transparent and trustworthy user experience, promoting informed decision-making.

5.2.2 Security

The platform employs a robust security framework to safeguard user information and interactions. Automated email domain validation ensures the authenticity of university email addresses during registration. Google authentication enhances user identity verification. Passwords are securely hashed for storage, preventing unauthorized access. String pattern matching algorithms validate hyperlinks, preventing the inclusion of potentially harmful or misleading content. A user-driven problem reporting system empowers the community to flag problematic content, while administrative review and action maintain content reliability and safety. These security measures collectively create a secure environment for users to interact and share information.

5.2.3 Scalability

The platform is designed for scalability, capable of accommodating increasing user demand and content volume. As the user base expands, the system can seamlessly handle a growing number of user profiles, connections, events, and opportunities. The use of efficient database structures and optimized queries ensures that data retrieval and management remain smooth even as the platform scales. The incorporation of automated reminders and notifications assists in user engagement without compromising performance. The platform's architecture and infrastructure allow for the addition of new features and functionalities, contributing to its adaptability as user needs evolve.

5.2.4 Availability

The platform ensures that users can always access it by using dependable hosting services and a system that can handle errors well. Automated reminders and notifications keep users informed about events, opportunities, and interactions, contributing to timely engagement. By utilizing load balancing and redundant systems, the platform mitigates the risk of downtime due to server failures or high traffic. Regular monitoring and quick problem-solving help maintain smooth operations.

06) Project Feasibility

6.1 Scheduling Feasibility

We assess whether the proposed project can be completed within a specified timeframe. Given the extensive scope and features of UniHub.lk, scheduling feasibility involves

1. breaking down tasks
2. assigning durations
3. considering dependencies
4. resource availability

It's important to ensure that the project timeline is realistic and accounts for potential delays, testing, user feedback, and iterations. We use the iterative waterfall model to effectively manage the project.

We have divided the total time for the projects evenly among the 4 members of the team. Shown below is how we have done that.

| | |
|---------------------------------------|-----------------|
| Working hours per week per member | = 13 hours |
| Working hours for 36 weeks per member | = 13 hours x 36 |
| Total working hours by 1 member | = 468 hours |
| Total working hours by 4 members | = 468 hours x 4 |
| | = 1872 hours |

6.2 Operational Feasibility

We evaluate how well the proposed project aligns with the current practices and operations of the target audience.

1. Familiarity with social media:

The target user base for UniHub.lk is Sri Lankan undergraduates, who are already familiar with social media platforms. This familiarity will make it easier for them to adapt to UniHub.lk and use its features.

2. Revenue generation strategies:

UniHub.lk will generate revenue through advertisements. UniHub.lk can display advertisements to users.

3. Scalability and future expansion: UniHub.lk is designed to be scalable, so it can accommodate a growing user base. The platform will be hosted on reliable servers and use a distributed database architecture to ensure its availability and performance.

The operational feasibility of UniHub.lk is well-supported by the key considerations mentioned above. The platform is designed to be user-friendly and scalable, and it has a

variety of revenue-generation strategies in place. As a result, UniHub.lk has the potential to be a successful and sustainable platform for Sri Lankan undergraduates.

6.3 Legal Feasibility

The legal and ethical feasibility of UniHub.lk is well-supported by the following considerations:

1. Terms and conditions:

UniHub.lk will have a clear and concise terms and conditions agreement that outlines the rights and responsibilities of both the platform and its users. This agreement will help to ensure that users are aware of the platform's policies and procedures and that they are protected from harmful content.

2. Privacy protection:

UniHub.lk will take all necessary steps to protect the privacy of its users. This includes collecting only the data that is necessary for the platform to function and using that data in a way that is consistent with the user's consent.

3. User-generated content protection:

UniHub.lk will respect the intellectual property rights of its users. This means that users will retain ownership of any content that they create on the platform and that UniHub.lk will not use that content without the user's consent.

4. Inclusive environment:

UniHub.lk will be an inclusive platform that is open to all Sri Lankan undergraduates. The platform will not discriminate against users on the basis of their race, religion, gender, sexual orientation, or any other protected characteristic.

5. Compliance with applicable laws:

UniHub.lk will comply with all applicable laws and regulations, including data protection and privacy laws. This will help to ensure that the platform is operated in a responsible and ethical manner.

6. Content moderation and safety:

UniHub.lk will have a team of moderators who will review content for harmful or inappropriate content. This content will be removed from the platform, and users who post harmful content may be banned from the platform.

By taking into account all of the legal and ethical considerations mentioned above, UniHub.lk can be a safe and secure platform for Sri Lankan undergraduates to connect with each other, find events and opportunities, and share knowledge.

6.4 Social Feasibility

To determine the social feasibility of UniHub.lk, a survey was conducted for university students. This survey received 85 responses.

The Surveys conducted can be accessed in [Appendix 12.1](#).

Overall interest in UniHub.lk

The survey results show that there is a high level of interest in UniHub.lk among university students in Sri Lanka. 85% of respondents said they were interested or very interested in the concept of a centralized web platform for university students in Sri Lanka.

Most valuable features

The most valuable features of UniHub.lk that were identified by respondents were:

1. Events organized by universities
2. Organizations (AIESEC, IEEE, Rotaract, etc.)
3. Job opportunities
4. Scholarships
5. Learning materials (blogs, kuppi, research papers)

Challenges in accessing information

The survey also found that students often find it challenging to access information about university events, organization bodies, job opportunities, scholarships, and learning materials. 44.7% of respondents said they find it challenging to access this information, and 27.1% said they find it very challenging.

Previous use of similar platforms

Only 21.2% of respondents said they had previously used or heard of a web application specifically for university students. This suggests that there is a need for a centralized platform like UniHub.lk to provide students with access to information and resources that are currently scattered across different websites and platforms.

Importance of email alerts

Respondents were also asked how important they would find email alerts sent in real time about newly added events. 38.8% of respondents said they would find this feature very important, and 42.4% said they would find it somewhat important. This suggests that students would appreciate being notified about new events and opportunities as soon as they are added to the platform.

Willingness to contribute

94.1% of respondents said they would be willing to contribute to UniHub.lk by adding and updating information about events, organizations, job opportunities, scholarships, or sharing learning materials. This is a very encouraging response, as it suggests that students are willing to be active participants in the platform and help to make it a valuable resource for their peers.

User-friendliness

Respondents were asked to rate how user-friendly they would like the UniHub.lk platform to be. 60% of respondents said they would like the platform to be very user-friendly, and 35.3% said they would like it to be somewhat user-friendly. This suggests that students are looking for a platform that is easy to use and navigate.

Likelihood to recommend

87.1% of respondents said they would be likely to recommend UniHub.lk to other university students. This is a very positive response, and it suggests that students believe UniHub.lk would be a valuable resource for their peers.

Additional features

Respondents were also asked to suggest additional features or functionalities that they would like to see incorporated into UniHub.lk. Some of the suggestions included:

- Integration with Google Calendar
- Information about all the events that happened in every university categorized by the university as well as the club/society
- Higher study opportunities for any bachelor's degree
- New technology updates
- Tips for improving soft skills
- Filter using the deadline
- Recommendations

Overall, the survey results suggest that there is a high level of interest in UniHub.lk among university students in Sri Lanka. The platform would provide students with access to a wide range of information and resources that are currently scattered across different websites and platforms. Students also expressed a desire for a user-friendly platform that is easy to contribute to. The suggestions for additional features and functionalities are also very encouraging, and they suggest that students are looking for a platform that can be a valuable resource for their academic and professional development.

6.5 Economic Feasibility

6.5.1 Cost Analysis

1. Development Costs:

We will use free and open-source applications as much as possible to reduce the initial development expenses. However, there may be some costs associated with development tools and infrastructure, such as web development software, hosting services, and domain registration.

2. Maintenance Costs:

We will be responsible for ongoing maintenance of the platform, including bug fixes, updates, and server maintenance. These costs will be relatively low, as the platform will be built on open-source software.

3. Revenue Projections:

We plan to generate revenue mainly from advertisements and third-party ads. We are planning to conduct a market analysis to estimate the potential revenue from each source.

4. Customer Support Costs:

We will provide customer support to users through a forum and email. The costs associated with customer support will be relatively low, as the team will be able to handle most queries themselves.

6.5.2 Periodic Evaluation and Adjustment:

As the project is still in its early stages and as this is a learning project we will evaluate the economic feasibility of the project on a regular basis. We will be reviewing the cost and revenue projections, as well as the customer base, to ensure that the project is on track to be profitable.

6.6 Technical Feasibility

Familiarity with the technology:

As the project team we have prior knowledge and experience with the technologies that will be used to build the platform, including HTML, CSS, JavaScript, Java, and MySQL. This will significantly contribute to the successful implementation of the platform. We are also quite familiar with the latest trends in web development. This will help the team to build a platform that is up-to-date and user-friendly.

Use of trending technologies with growing support:

The technologies that we plan to use are all trending and have growing support from the community. This means that there are a lot of resources available to help us with development, such as documentation, tutorials, and forums. The use of trending technologies also means that the platform will be future-proof. As new technologies emerge, the platform can be easily updated to take advantage of them.

Overall, the technical feasibility of our project is high. As the project team we have the necessary knowledge to build the platform, and we are using trending technologies with growing support.

07) Deliverables of the project

- Web-based Application
- SRS Document

08) Project Constraints & Assumptions

8.1 Constraints

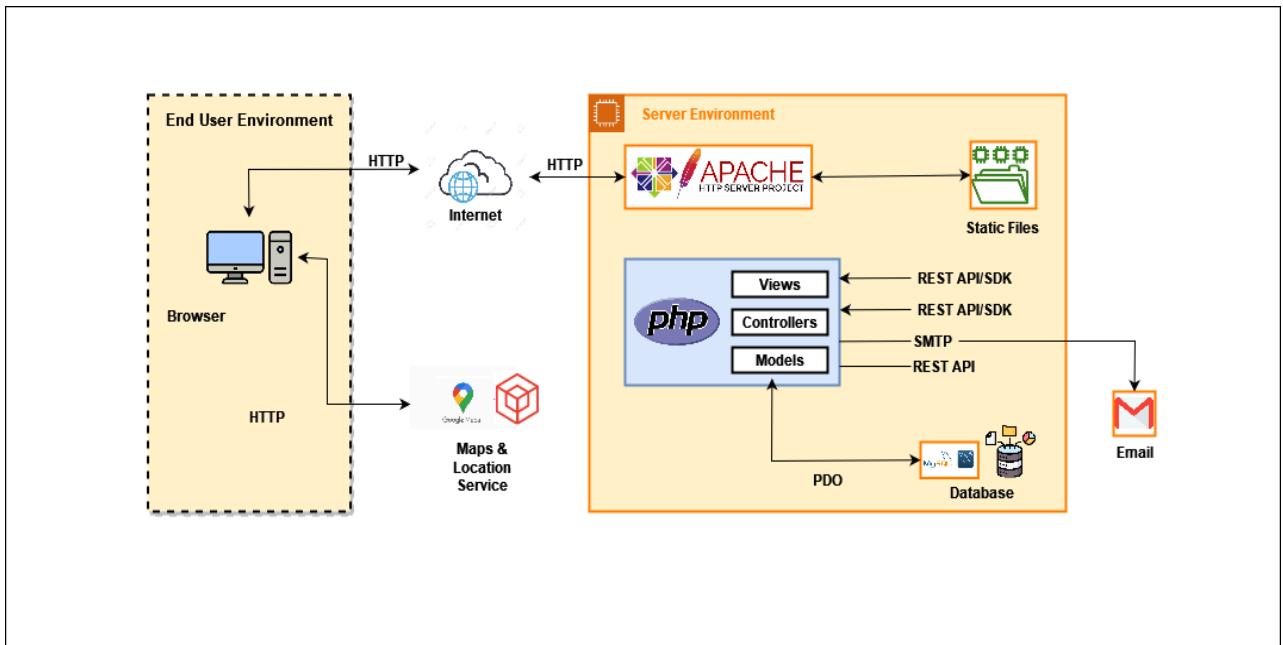
- Single account per user.
- Restrictions on unregistered users.
- The system's functionality and scalability are dependent on the underlying technology stack, which might have limitations in terms of performance, integration, and compatibility.
- Integrating external services such as Google Calendar, email, and maps relies on the reliability and compatibility of those services, which are beyond the platform's control.

8.2 Assumptions

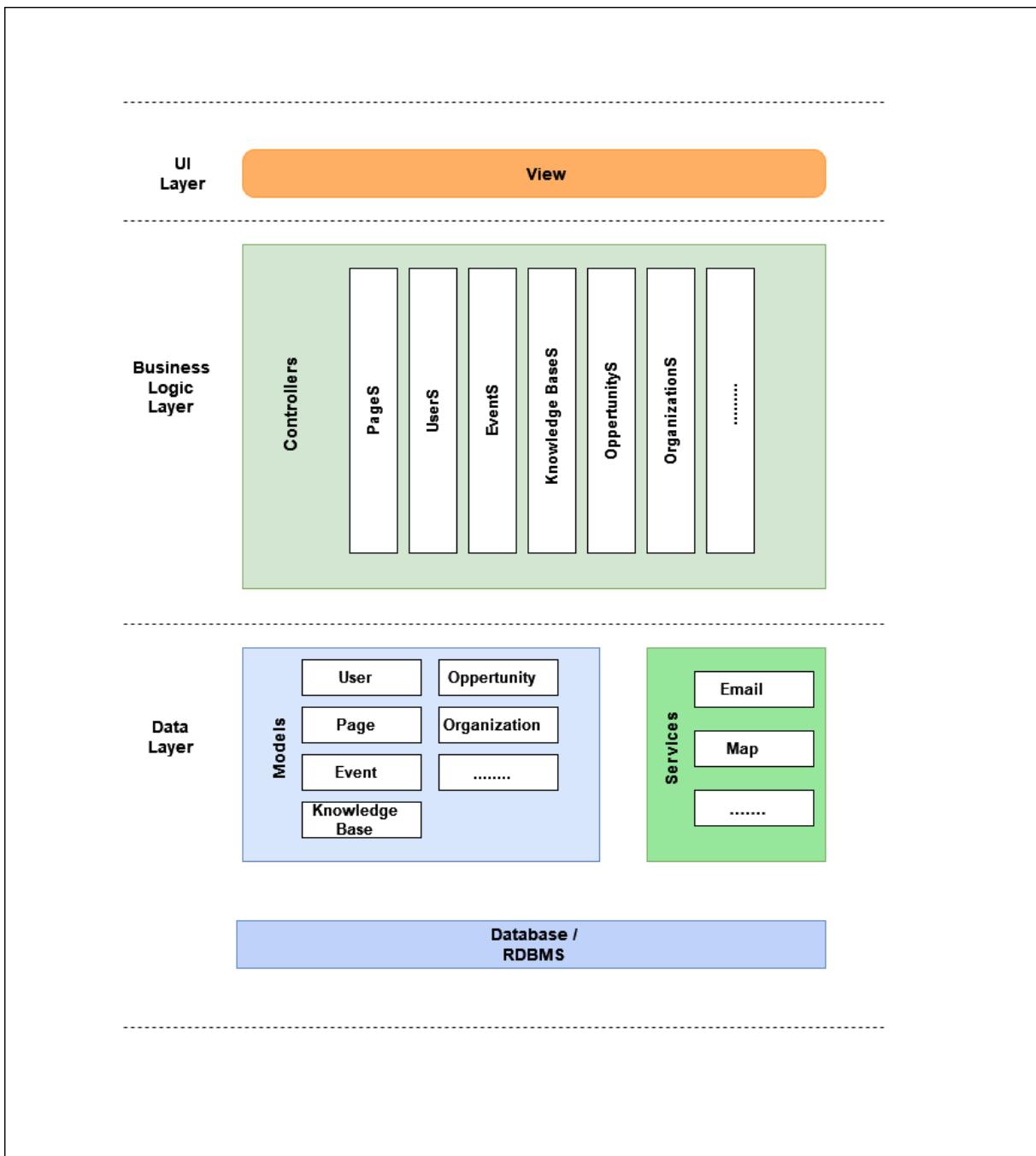
- The platform assumes that users have reliable internet access to interact with its features and content.
- Users are assumed to have a basic understanding of digital platforms and internet usage for effective engagement with the platform's functionalities.
- The platform assumes that the Google authentication service will remain accessible and functional for user identity validation.
- The system assumes that administrators will actively manage and review the list of verified websites to ensure the accuracy and reliability of shared content.
- The platform assumes that users will actively participate, share accurate information, and maintain respectful interactions with other users.
- The platform assumes a diverse range of events, jobs, and opportunities relevant to Sri Lankan undergraduates will be posted for engagement.
- The platform assumes that users will provide accurate and relevant information when creating profiles, sharing events, and interacting with the platform's content.
- The effectiveness of recommendations and polls assumes that user actions accurately reflect their interests and preferences.

09) System Architecture

9.1 High-Level Architecture



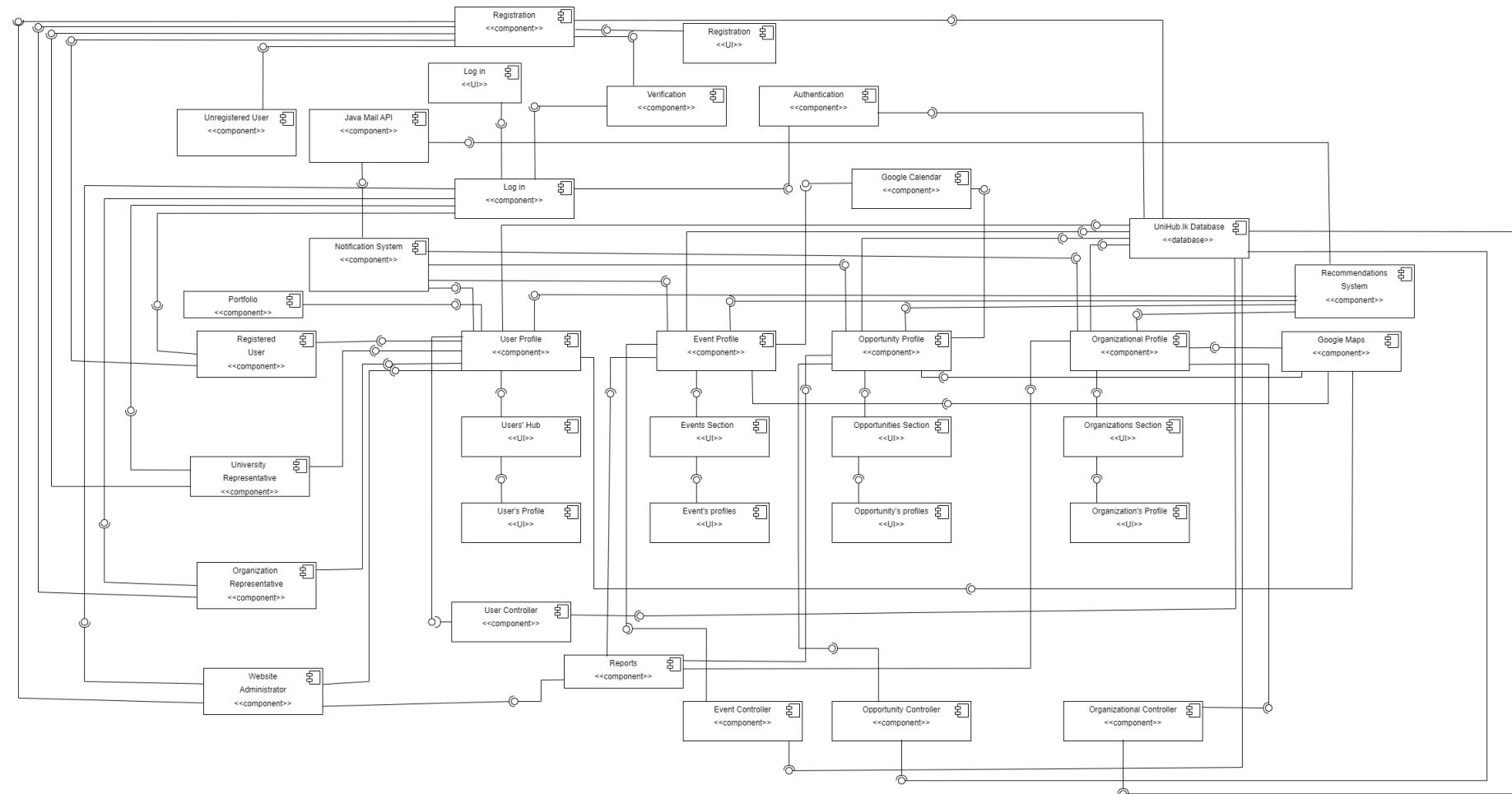
9.2 System Architectural Structure



9.3 System Components

9.3.1. Component Diagram

Component Diagram



9.3.2 Component Description

| Component | Functionality |
|---|---|
| Registration | <ul style="list-style-type: none"> • User registration. • Registration form input validation. |
| Login Verification Authentication | <ul style="list-style-type: none"> • Login process handling. • Logout process handling. • Session handling. • Validate the credentials of the users • Onboarding of users and organizations to the system. • Providing an interface to get authorized user data |
| User Controller | <ul style="list-style-type: none"> • Create user profiles. • Edit user profiles. • Delete user profiles. • User profile showing |
| Event Controller | <ul style="list-style-type: none"> • Create user profiles. • Edit user profiles. • Delete user profiles. • User profile showing |
| Knowledge Hub Controller | <ul style="list-style-type: none"> • Create knowledge hub materials. • Edit knowledge hub materials. • Delete knowledge hub materials. • Read knowledge hub materials |
| Opportunity Controller | <ul style="list-style-type: none"> • Create opportunities. • Edit opportunities. • Delete opportunities. • Read opportunities. |
| Organization Controller | <ul style="list-style-type: none"> • Create an organization profile. • Edit an organization profile. • Delete an organization profile. • User profile showing. |
| Google Calendar | <ul style="list-style-type: none"> • Handle calendar reminders |
| Google Maps | <ul style="list-style-type: none"> • Handle location services. |
| Recommendation | <ul style="list-style-type: none"> • Create recommendations. • Schedule recommendations |
| Notification System | <ul style="list-style-type: none"> • Create Notifications. • Send email notifications. • Web notification handling. |
| Portfolio | <ul style="list-style-type: none"> • Portfolio generating. |

| | |
|--------------------|---|
| Reports | <ul style="list-style-type: none">• Reports generating.• Reports handling |
| UniHub.lk Database | <ul style="list-style-type: none">• Provide the functionality of a datastore with SQL-compliant query interface |

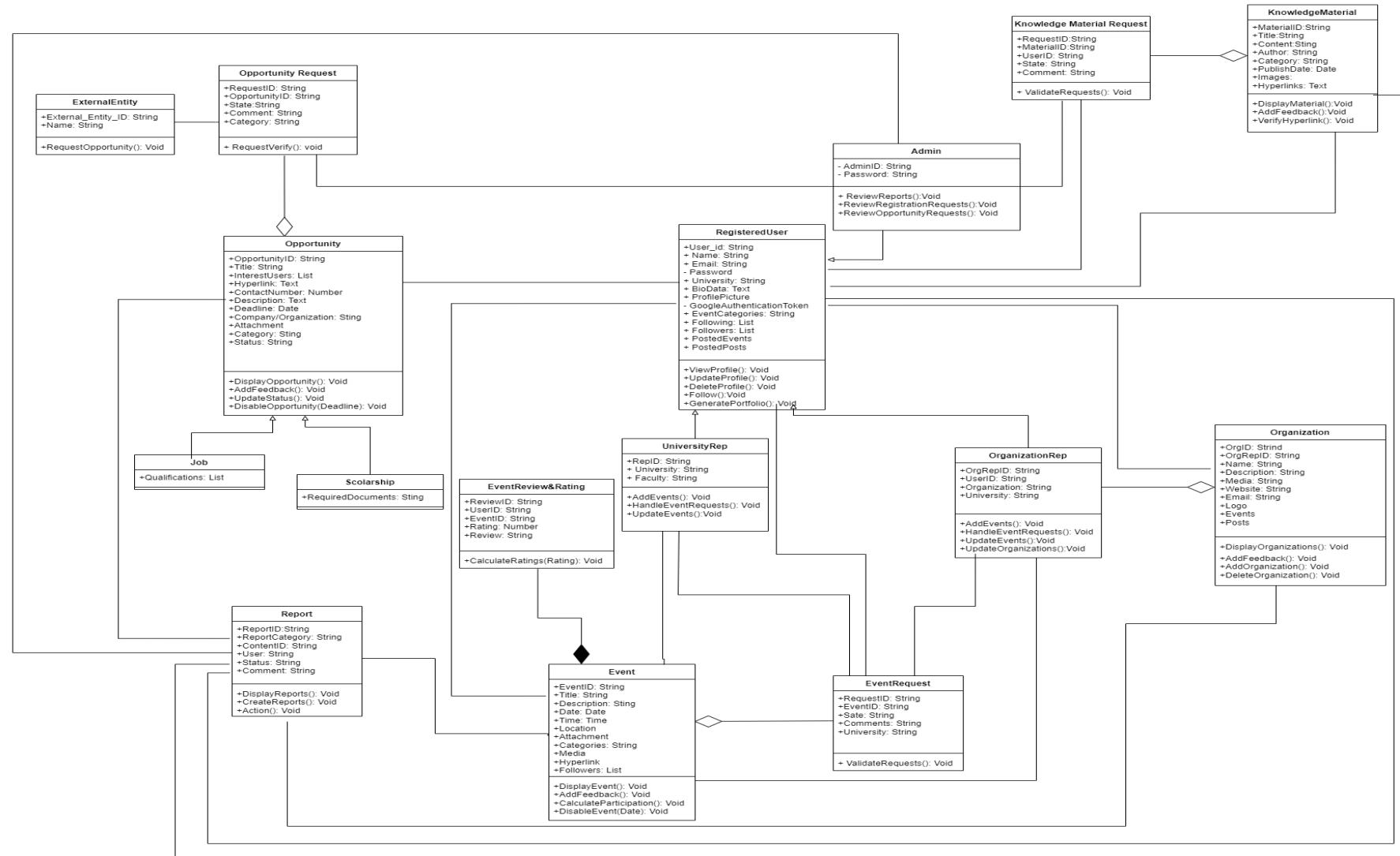
10) System Design

10.1 Class Diagram

For the overall functionality of the System following classes are identified.

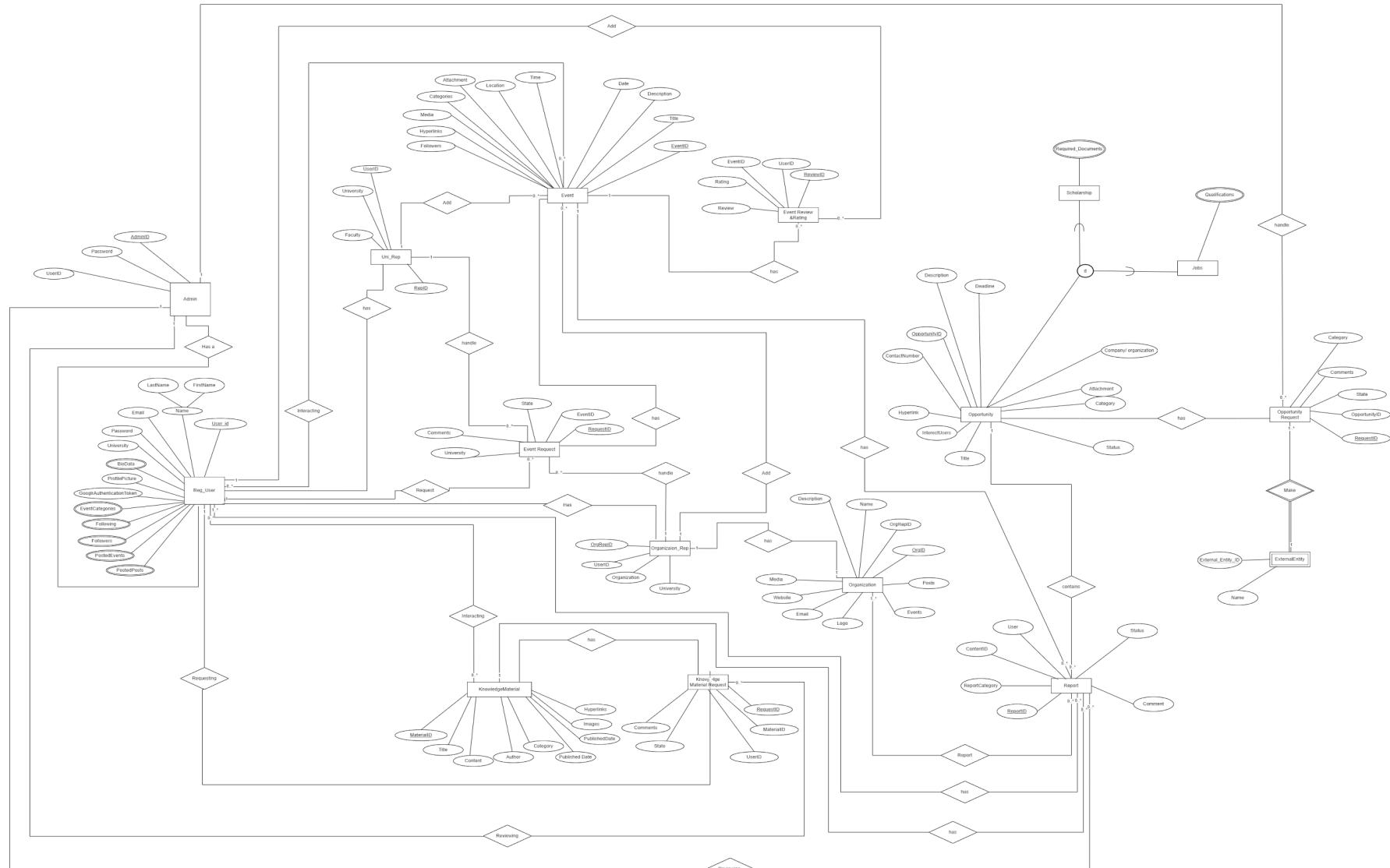
- Registered User
- Admin
- University Representative
- Organizational Representative
- Event
- Event Request
- Event Review and Rating
- Organization
- Knowledge Material
- Knowledge Material Request
- Opportunity
- Job
- Scholarship
- Opportunity Request
- External Entity
- Report

For a high quality view of class diagram: [Class Diagram](#)



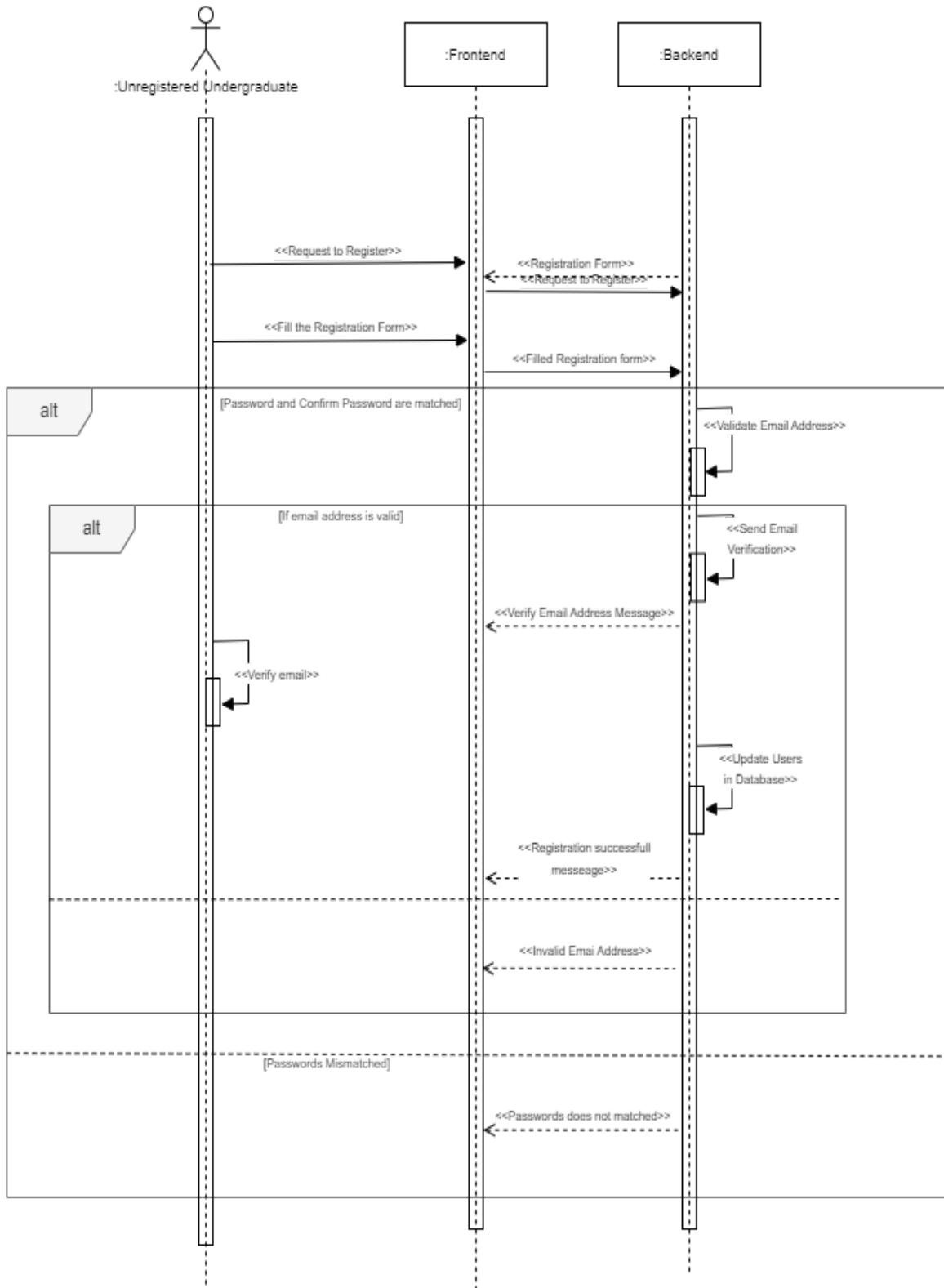
10.2 Entity Relationship Diagram

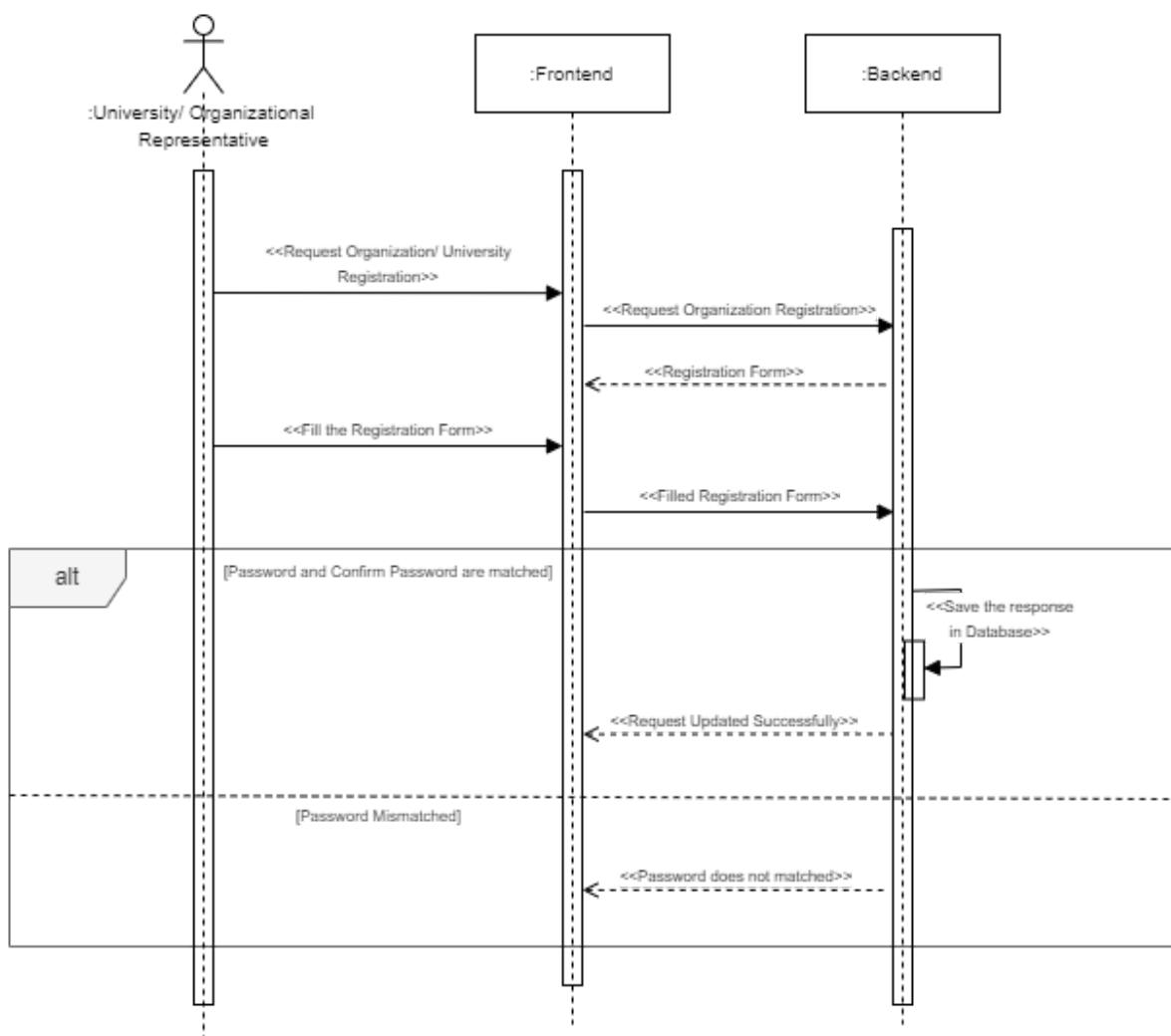
For a high quality view of ER Diagram: [ER Diagram](#)



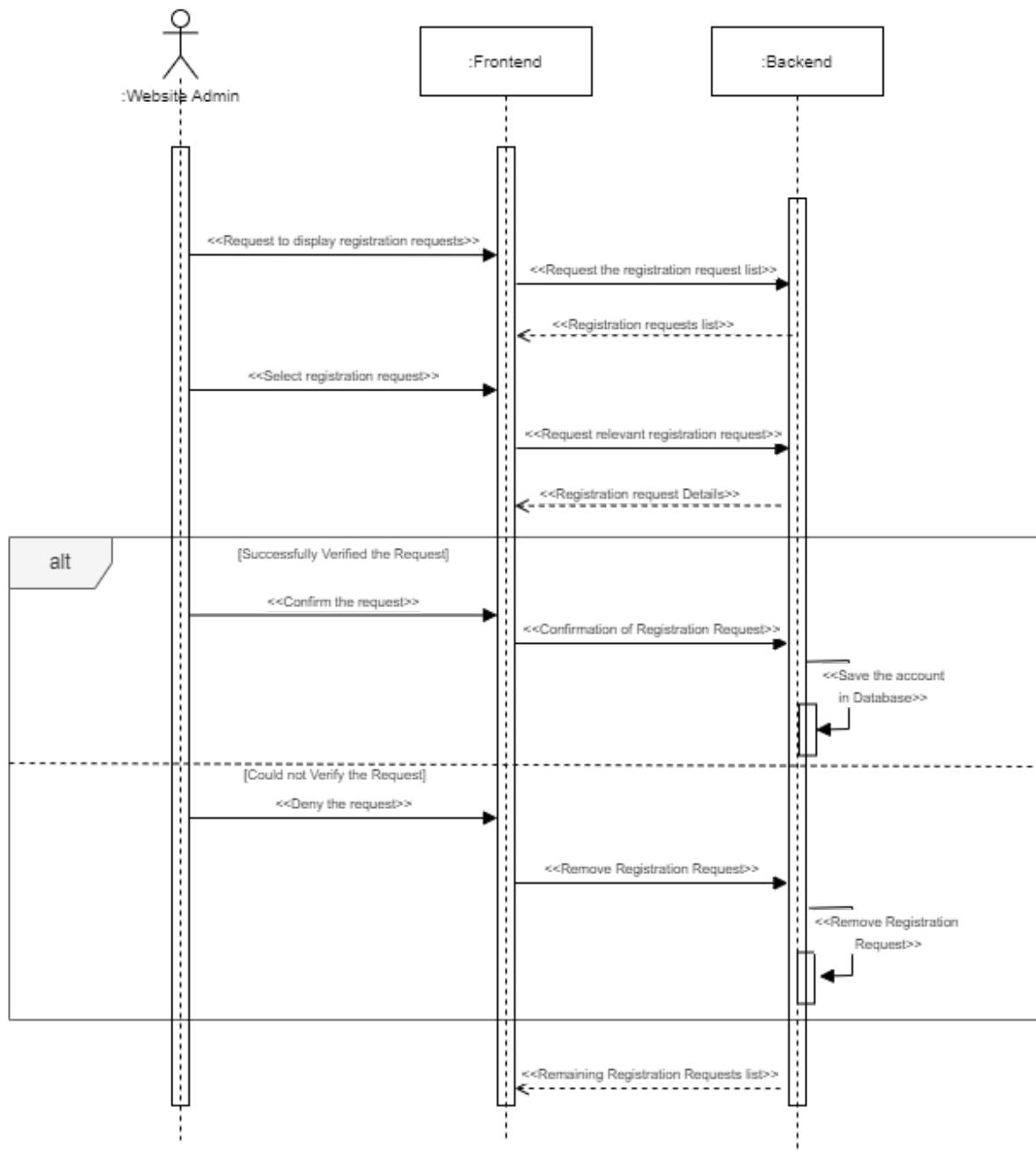
10.3 Sequence Diagrams

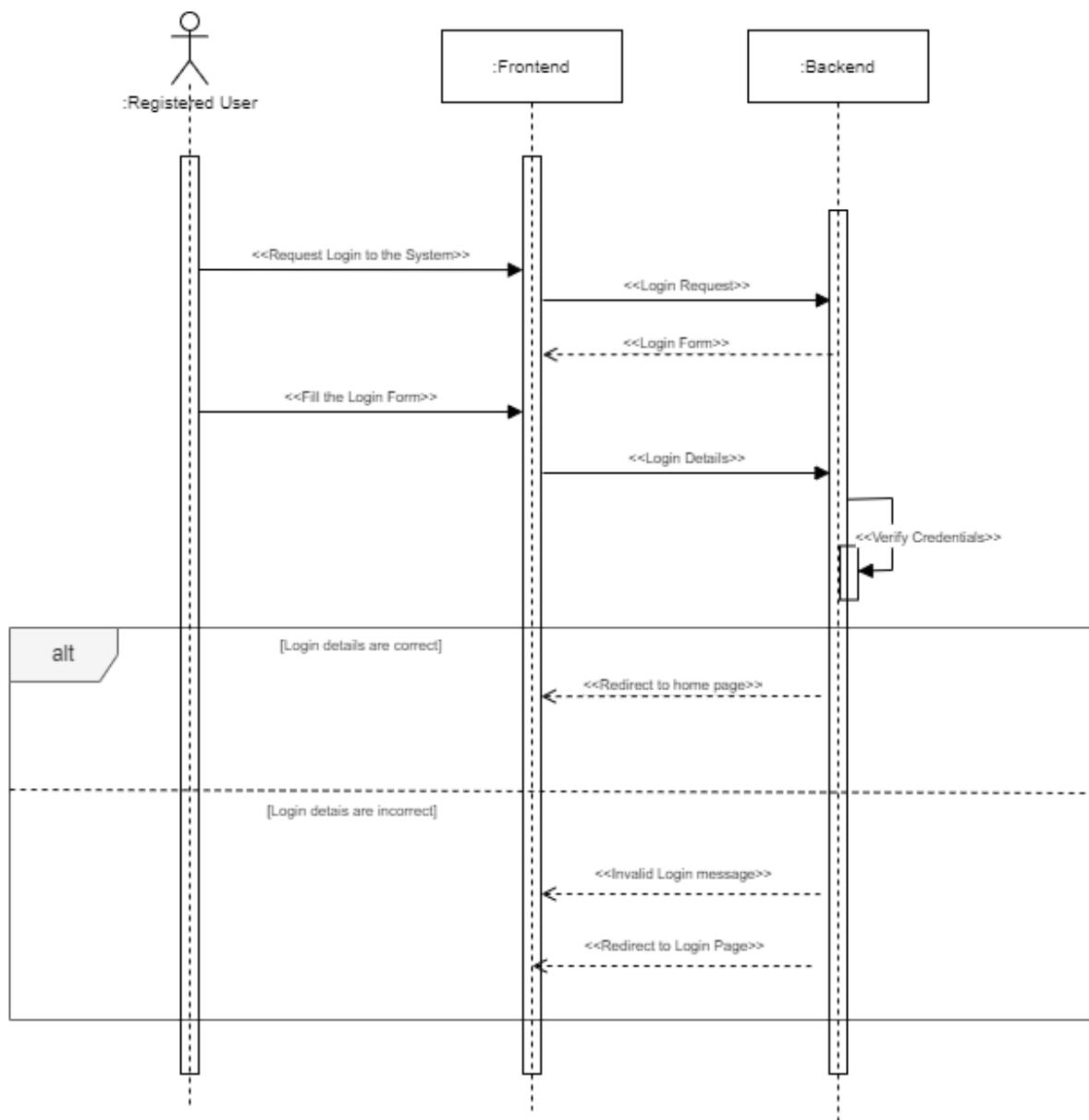
I. Sign Up and Sign In Register



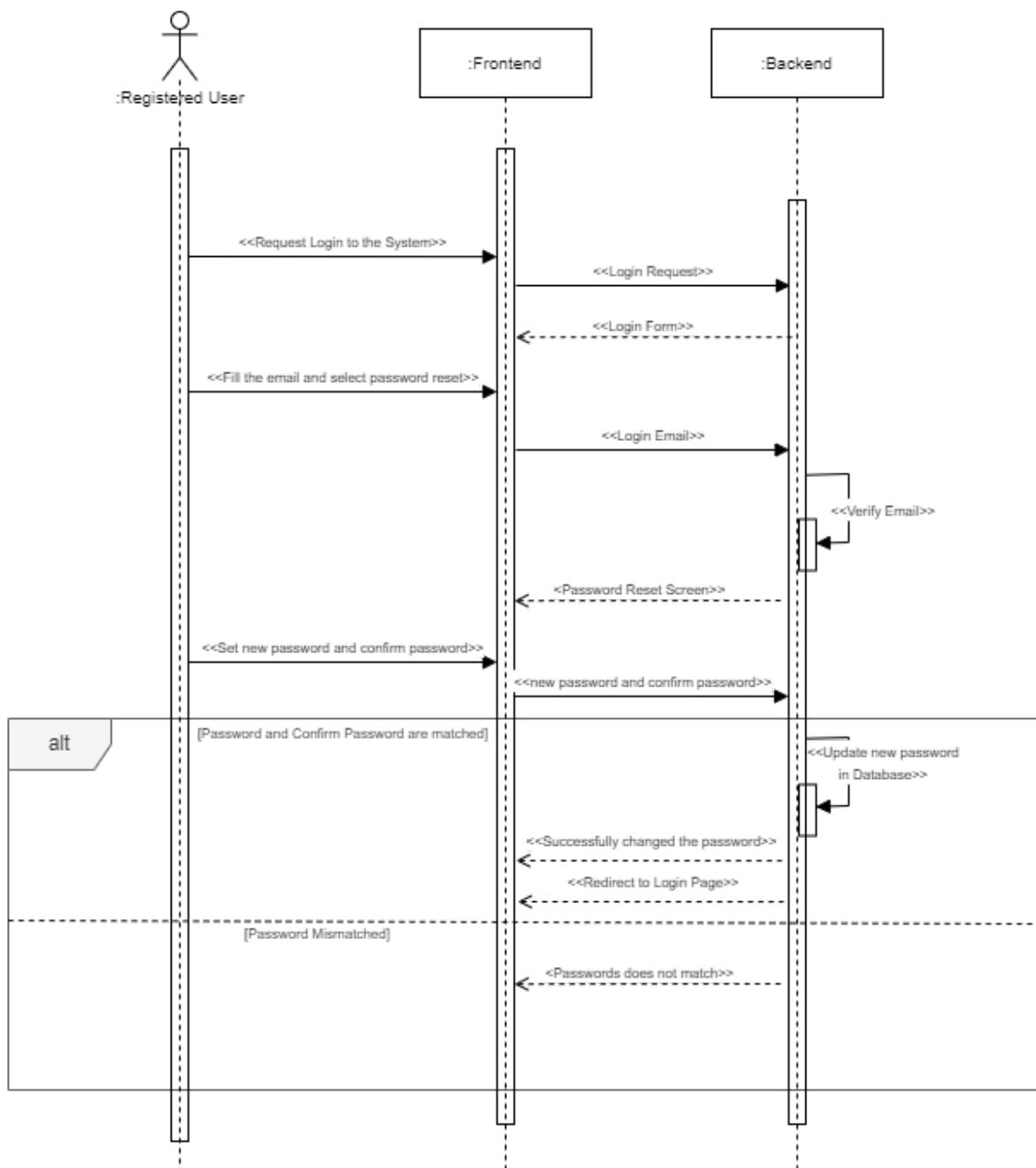
Request for Registration

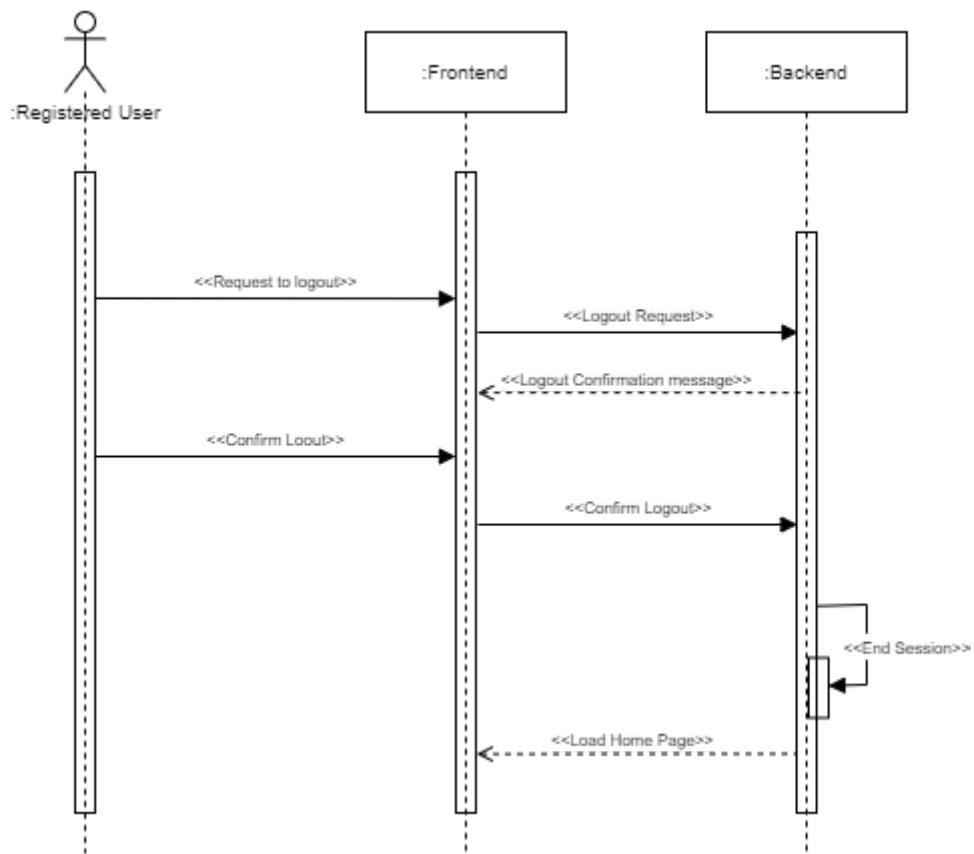
Confirm Registration



Login

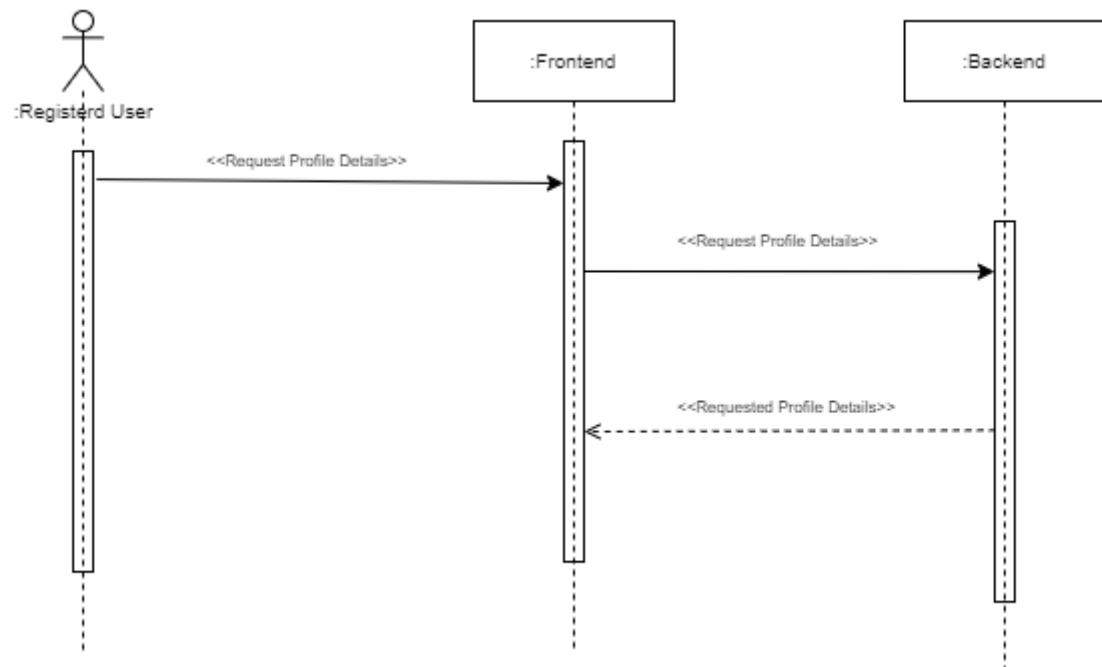
Password Reset

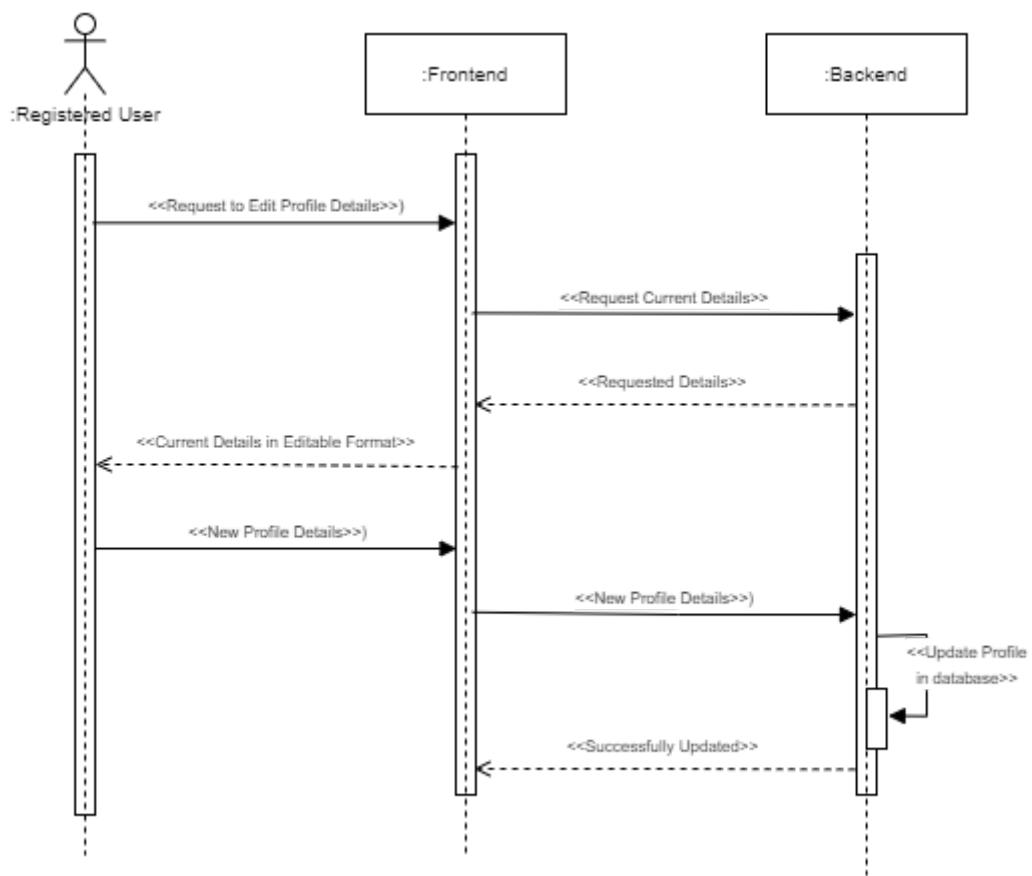


Logout

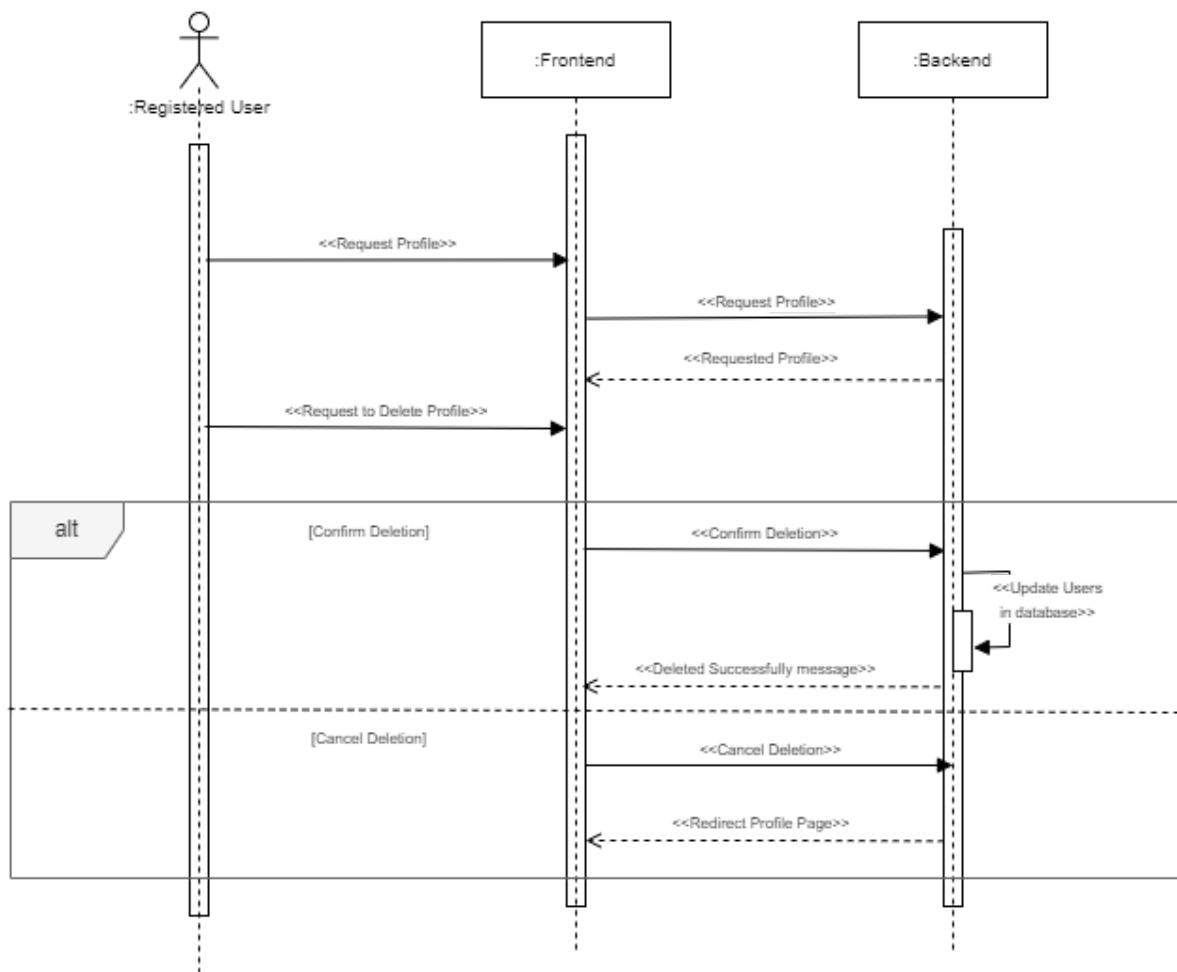
II. User Profiles

View Own Profile

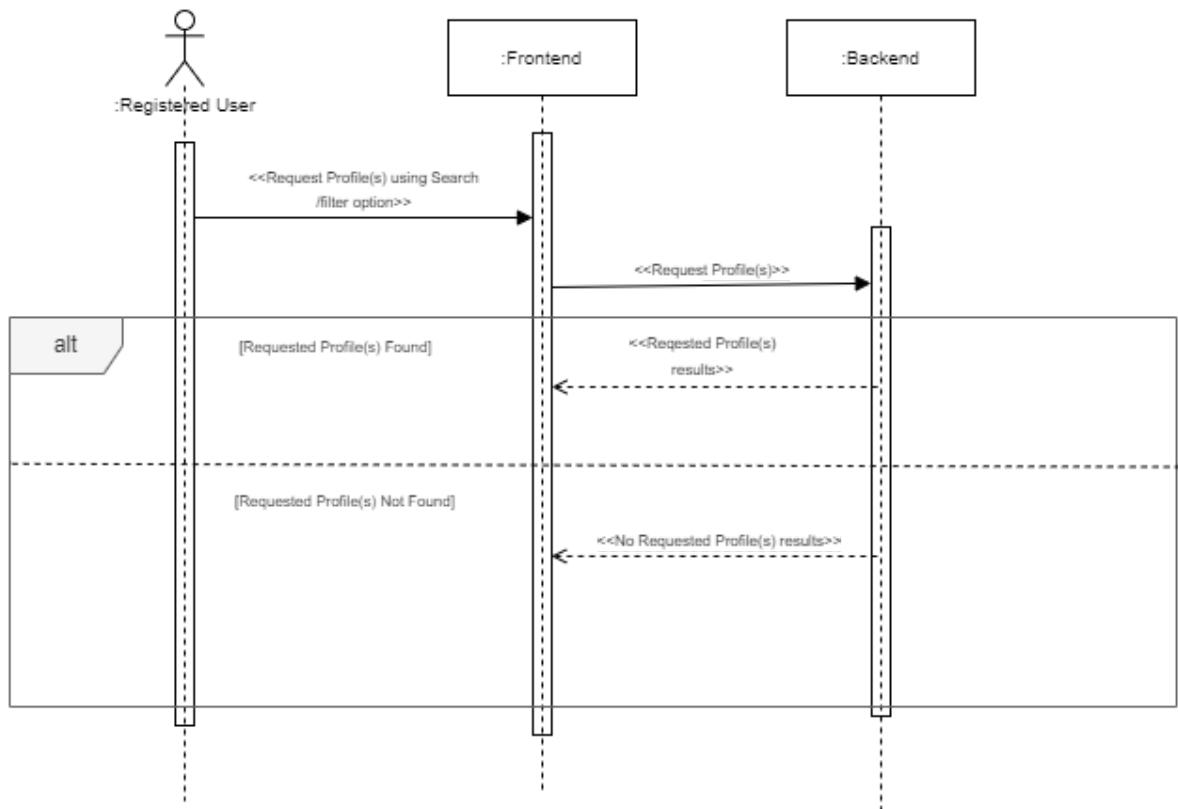


Update Profile

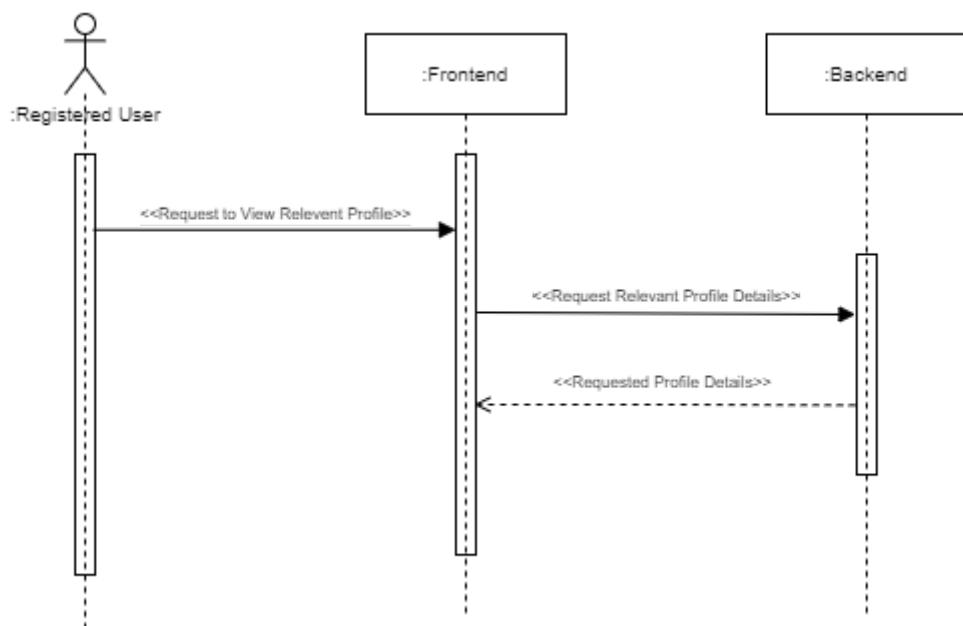
Delete Profile



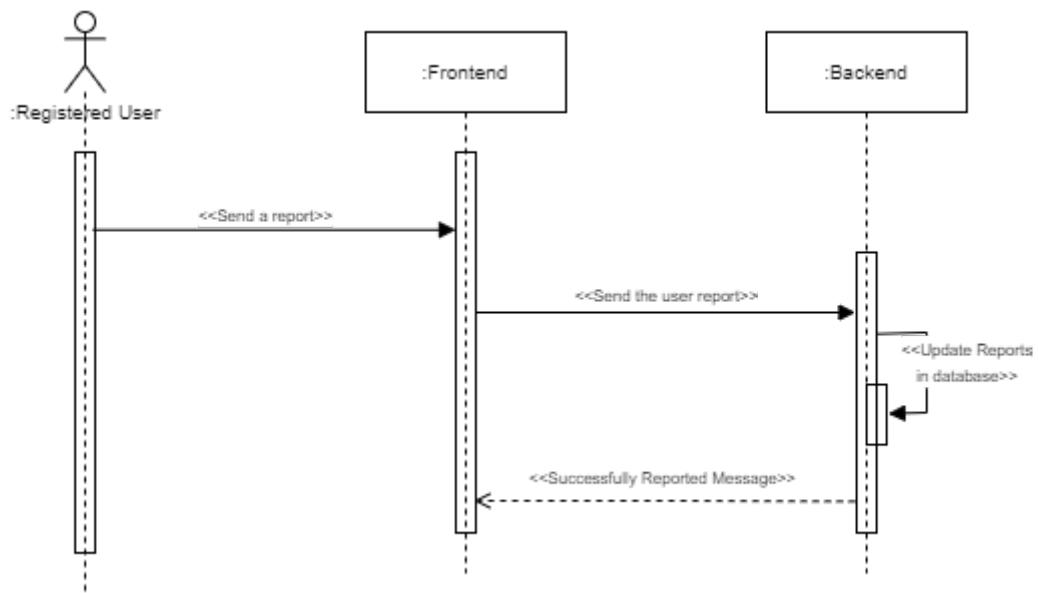
Search/Filter Profile



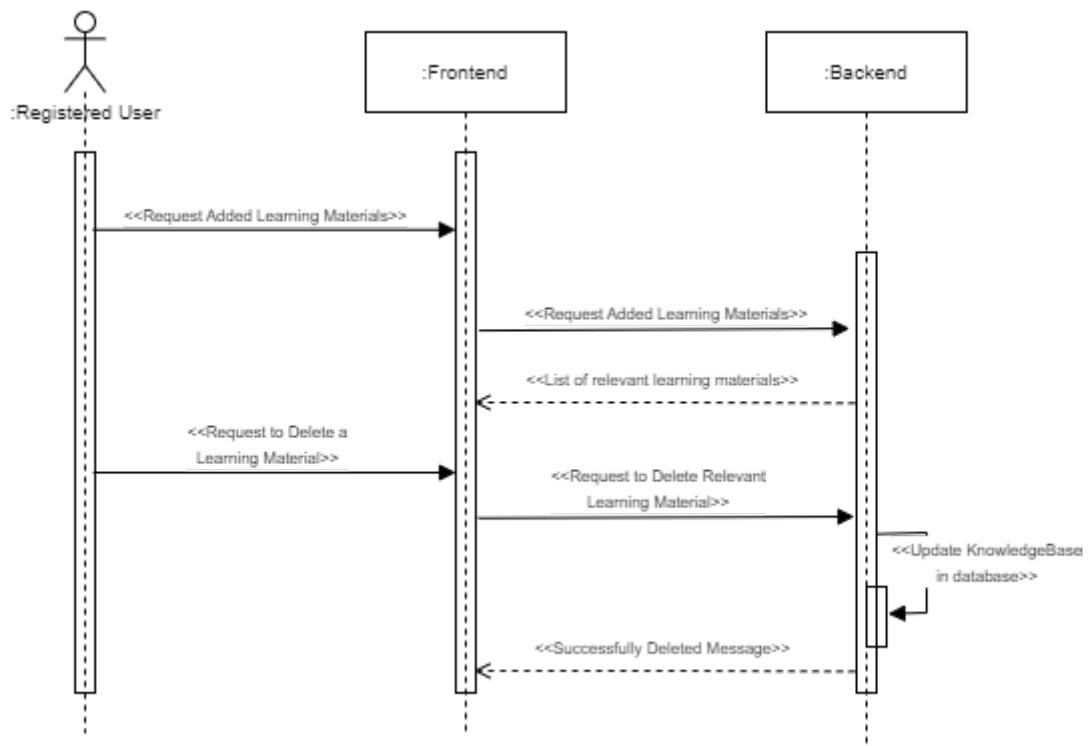
View Others' Profile

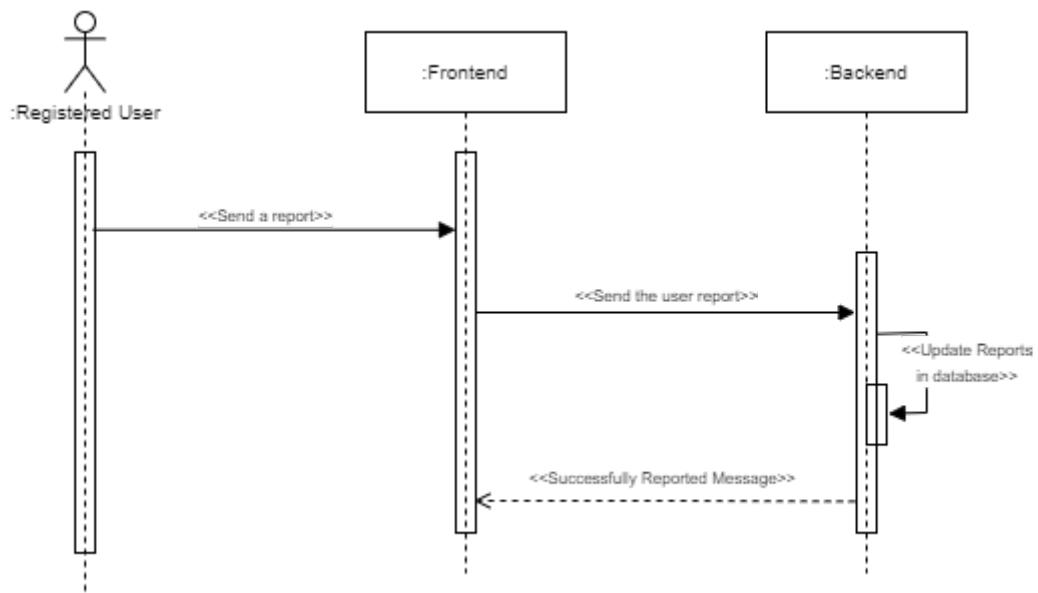


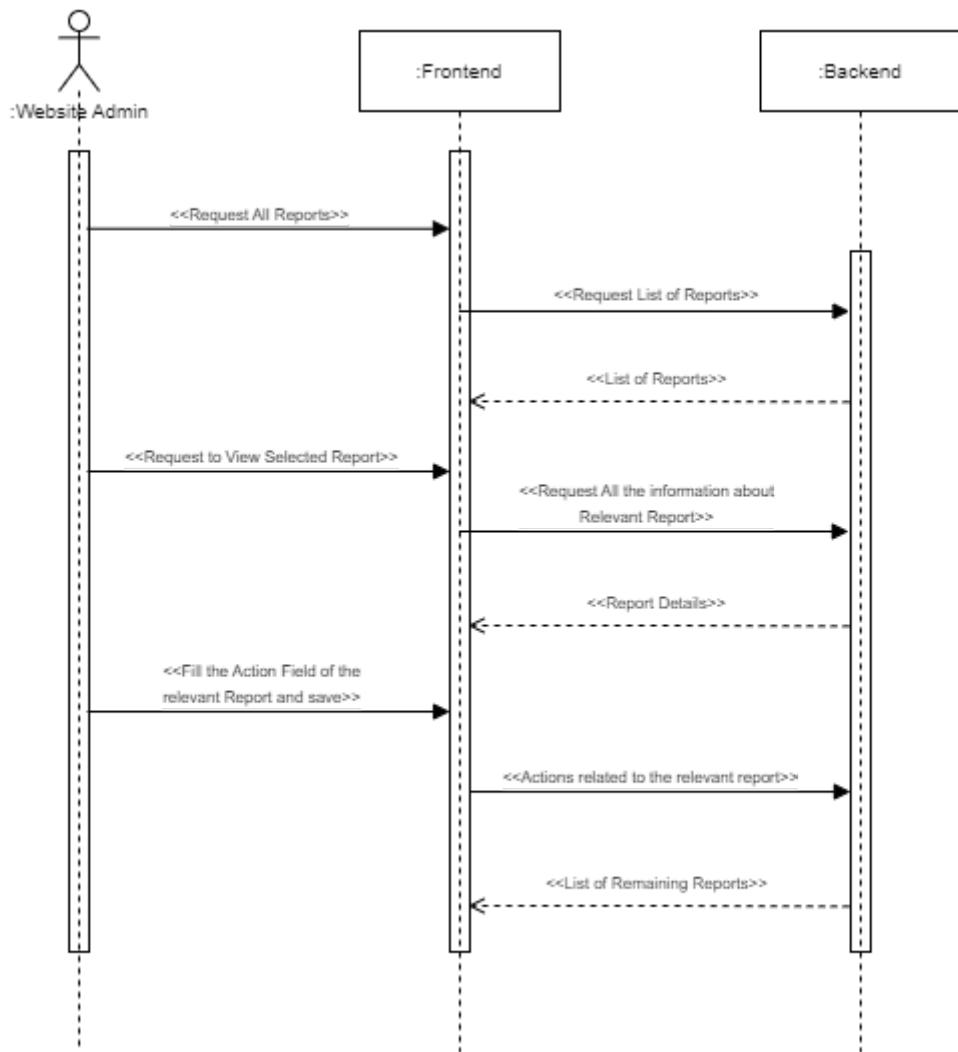
Follow Profiles



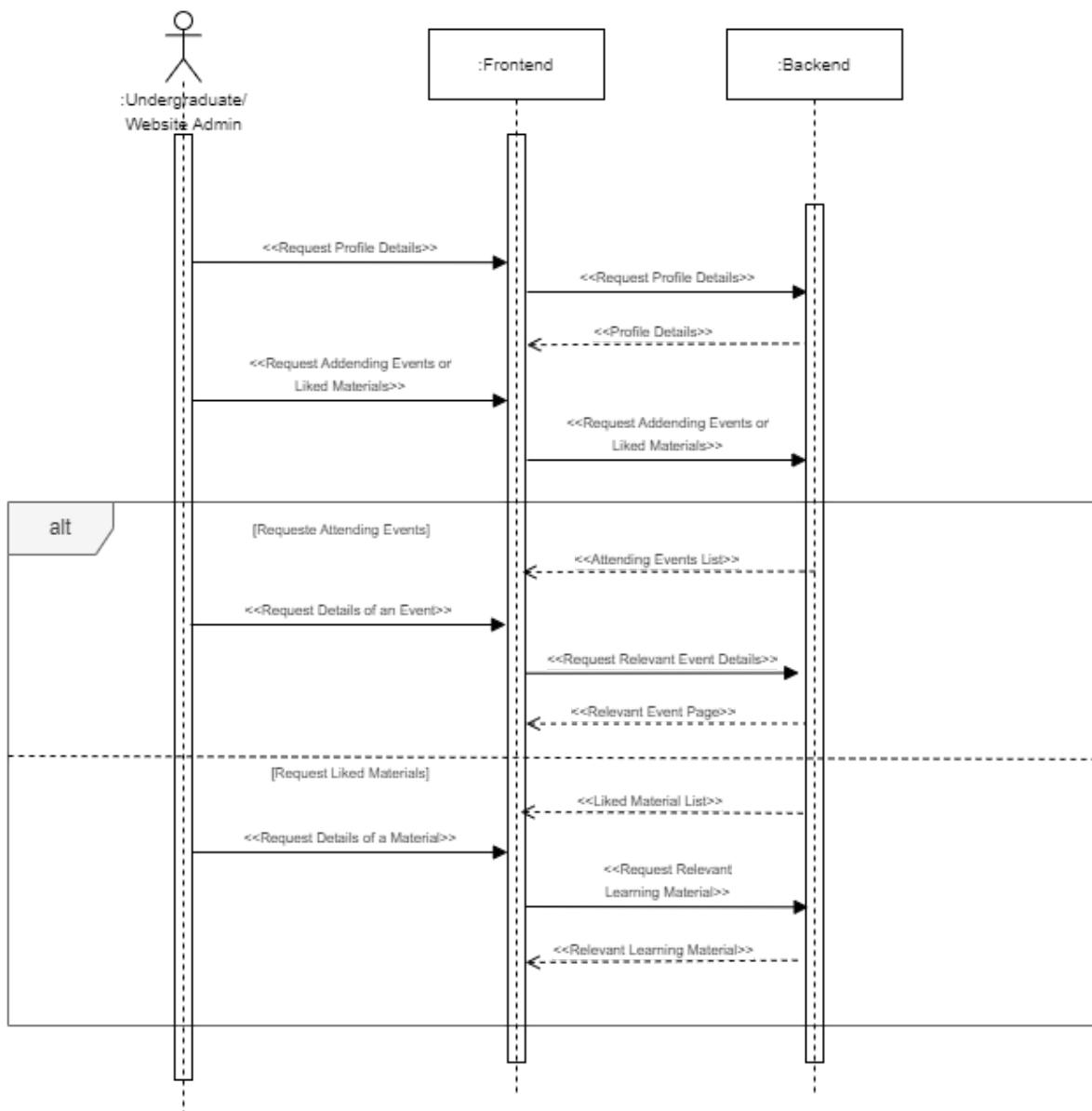
Delete Materials



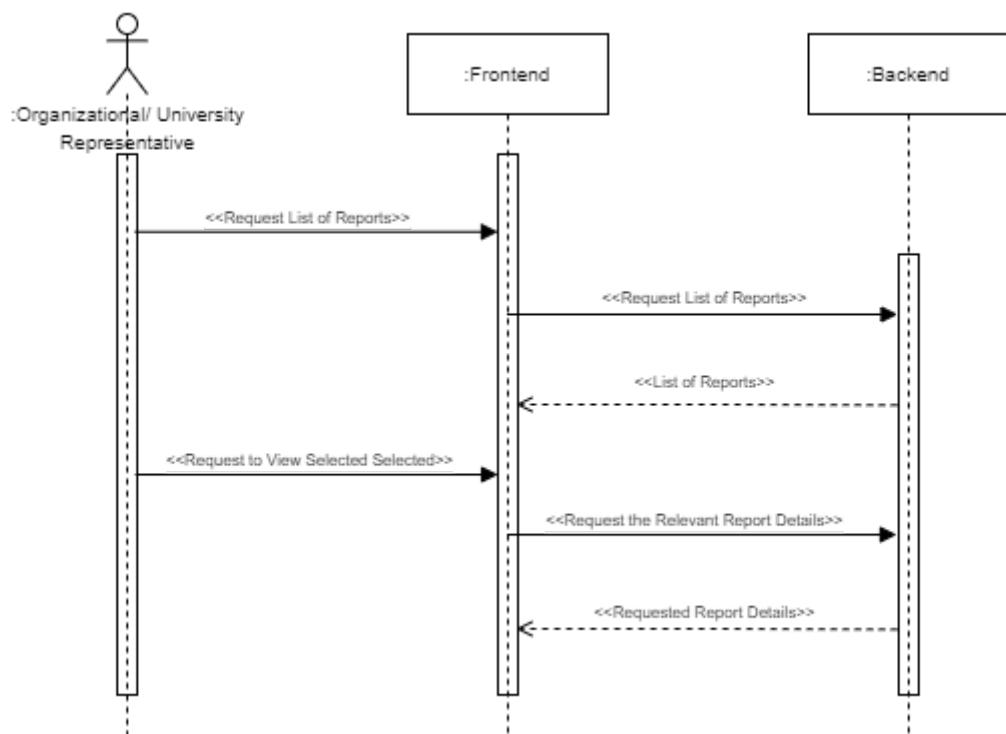
Report

Review Report

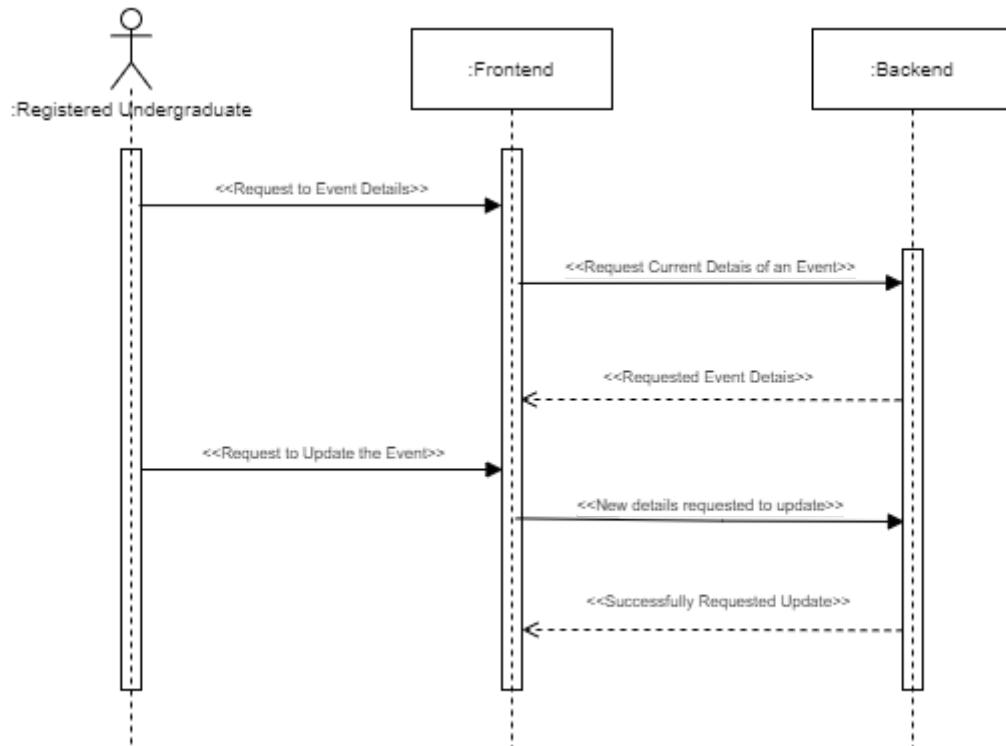
View Attending Events/ View Liked Materials



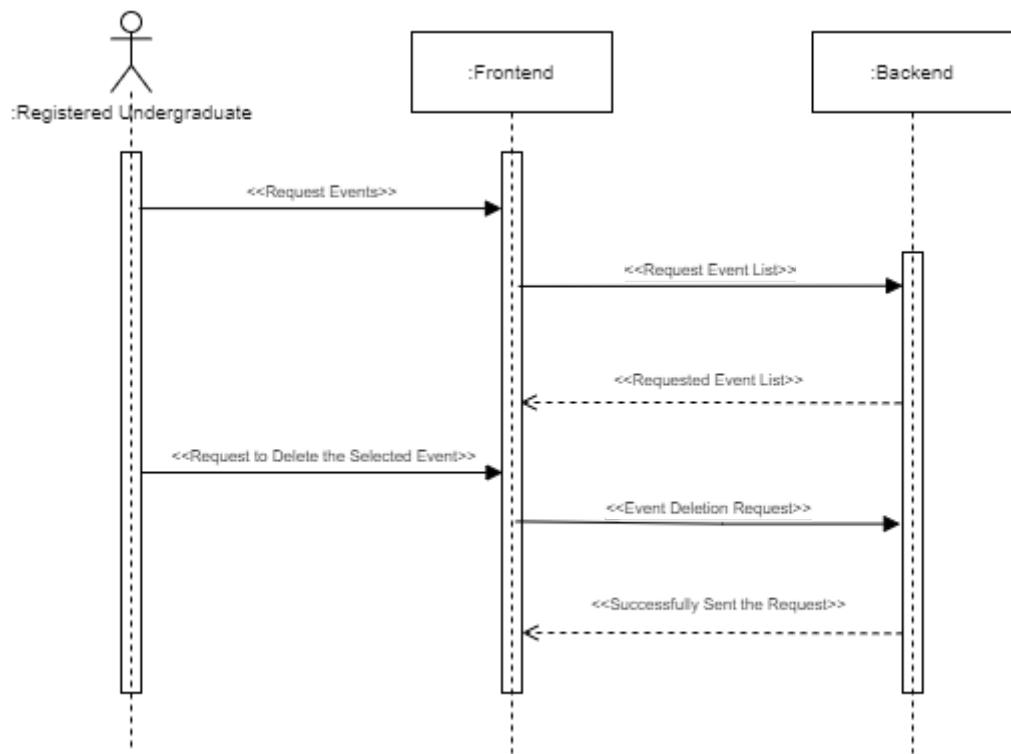
Show Reports



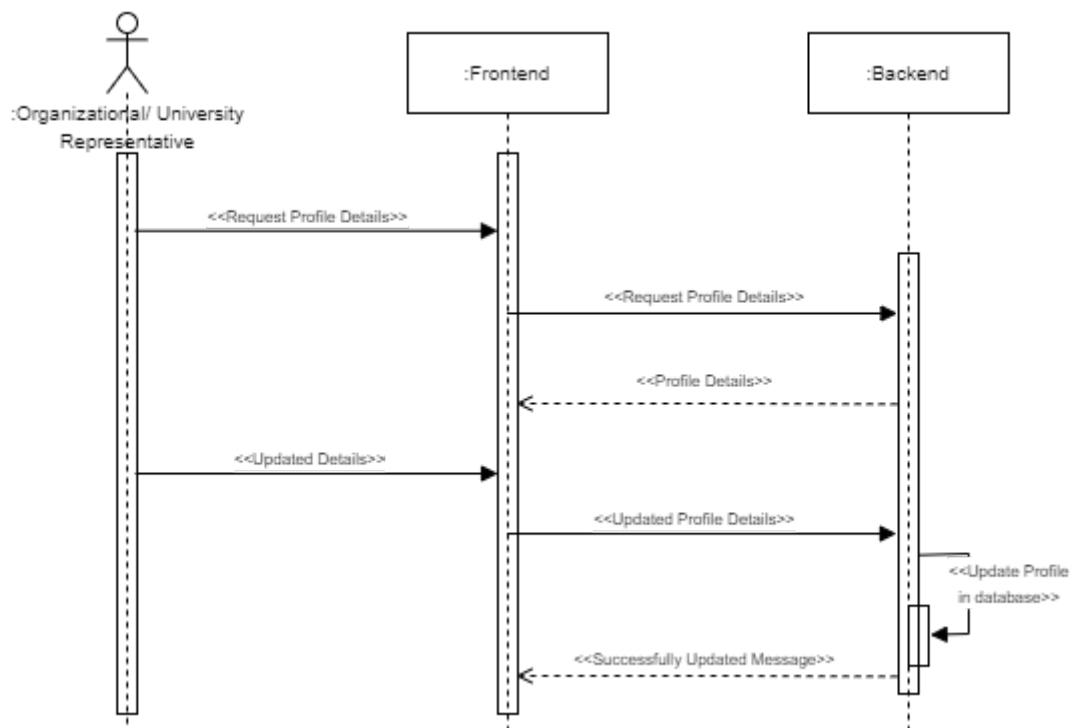
Request to Update an Event



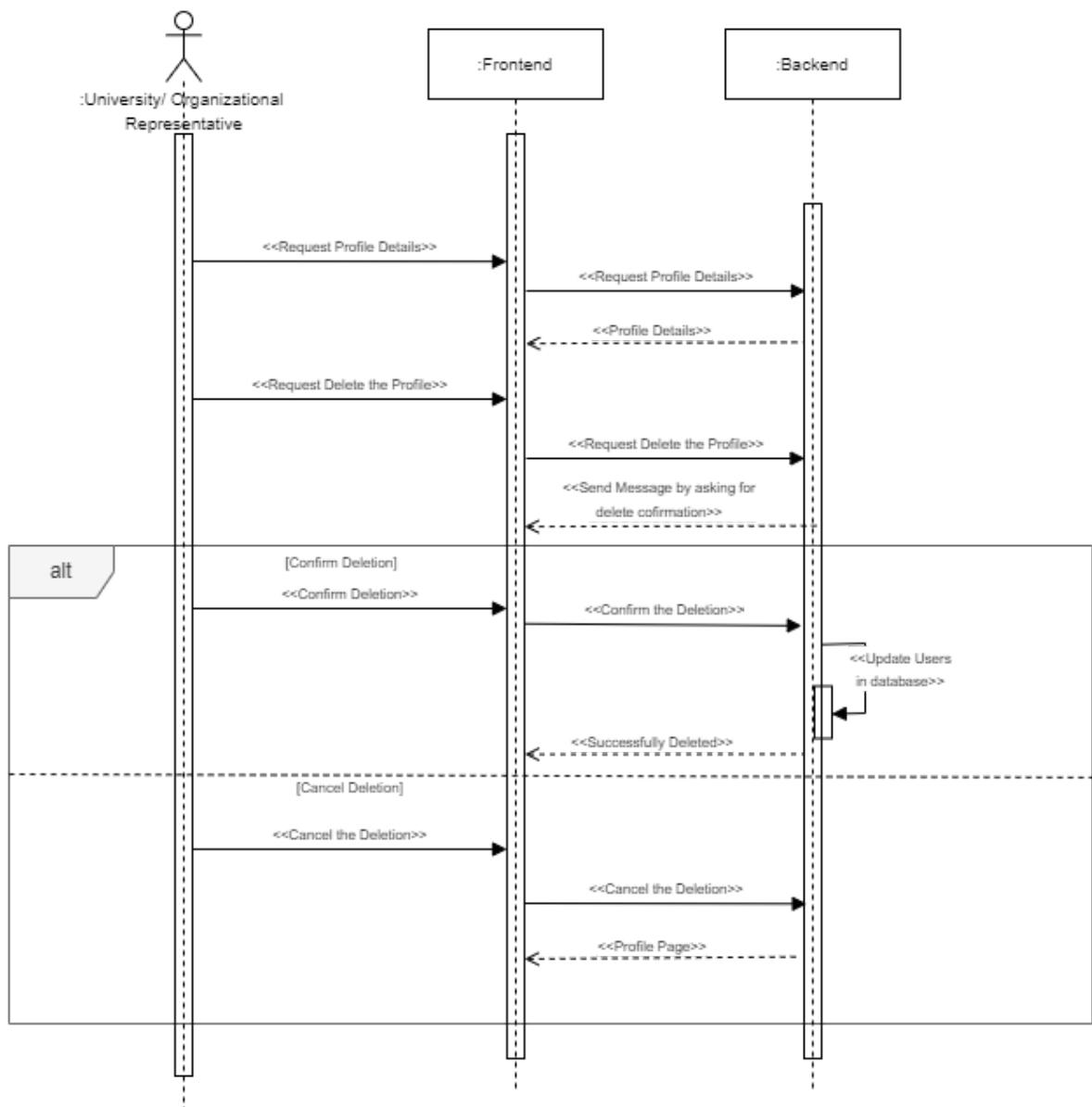
Request to Delete an Event



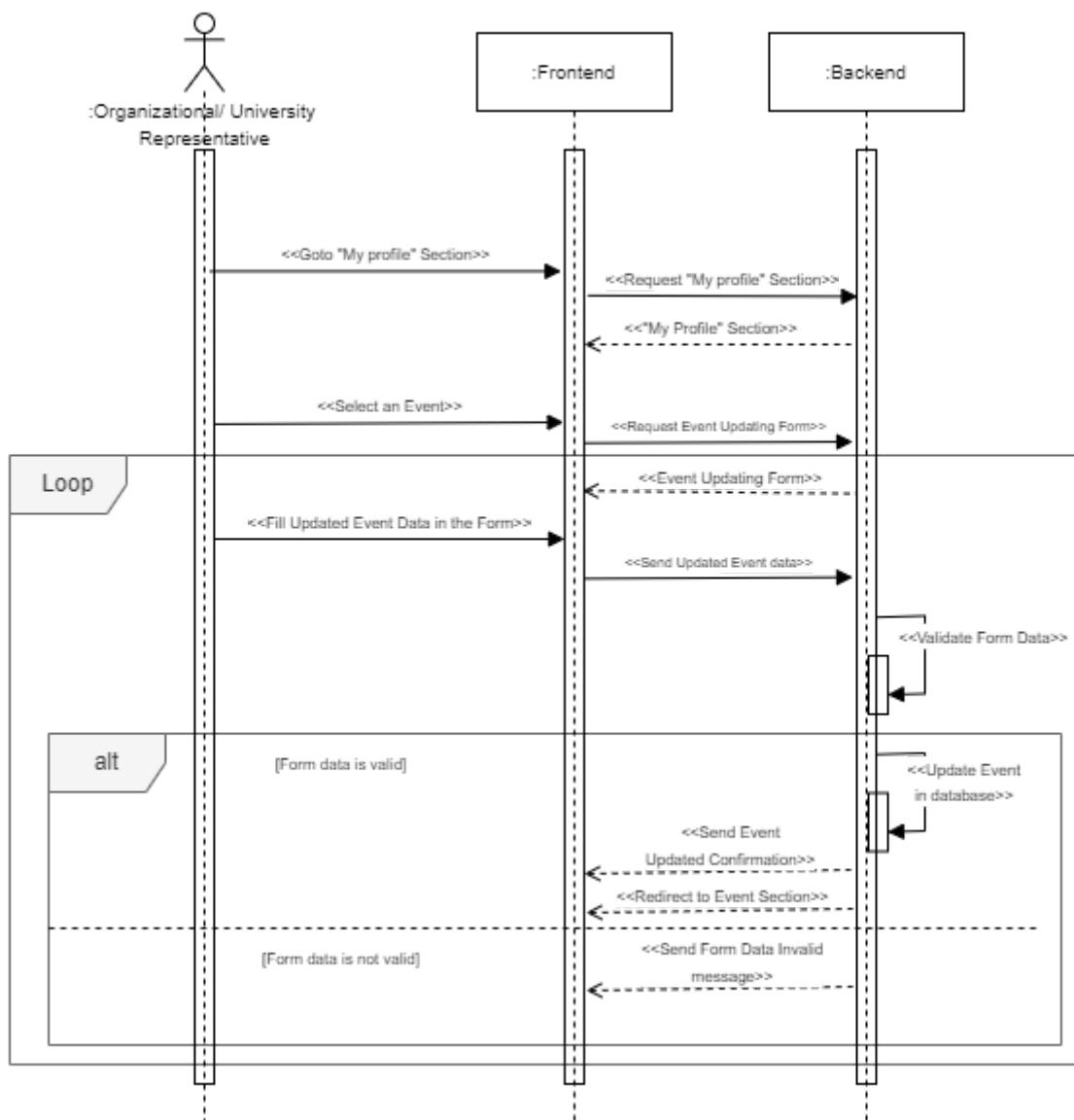
Update an Organization

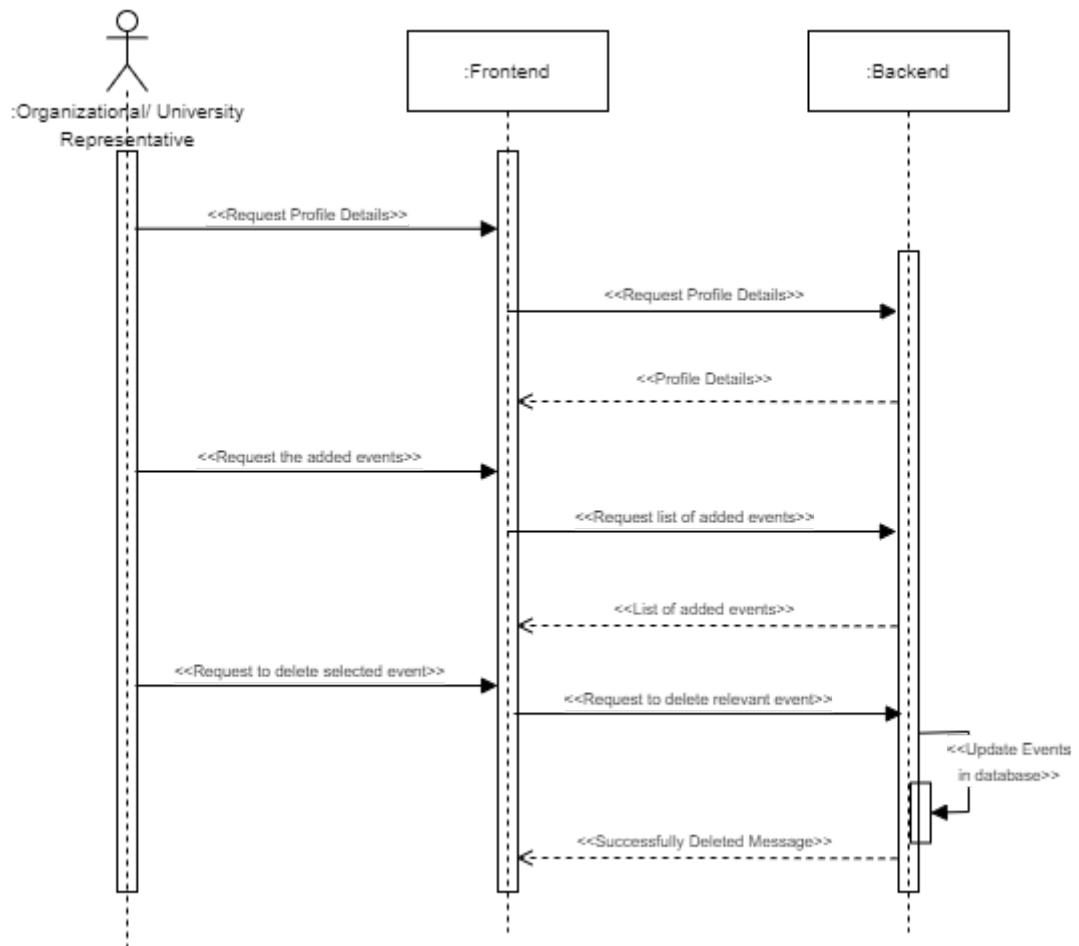


Delete Organization



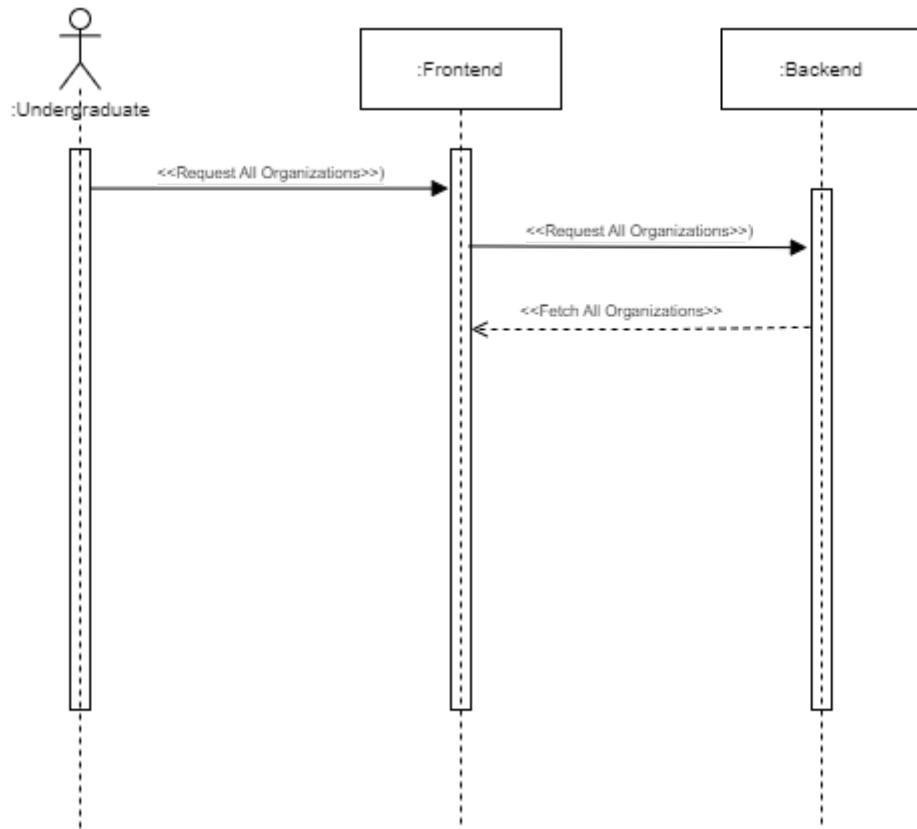
Update an Event



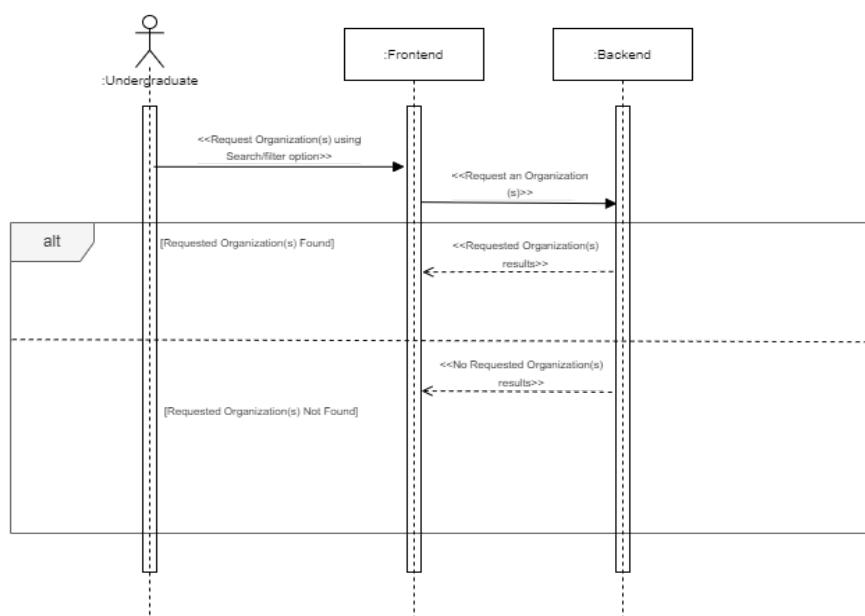
Delete Event

III. Organizations

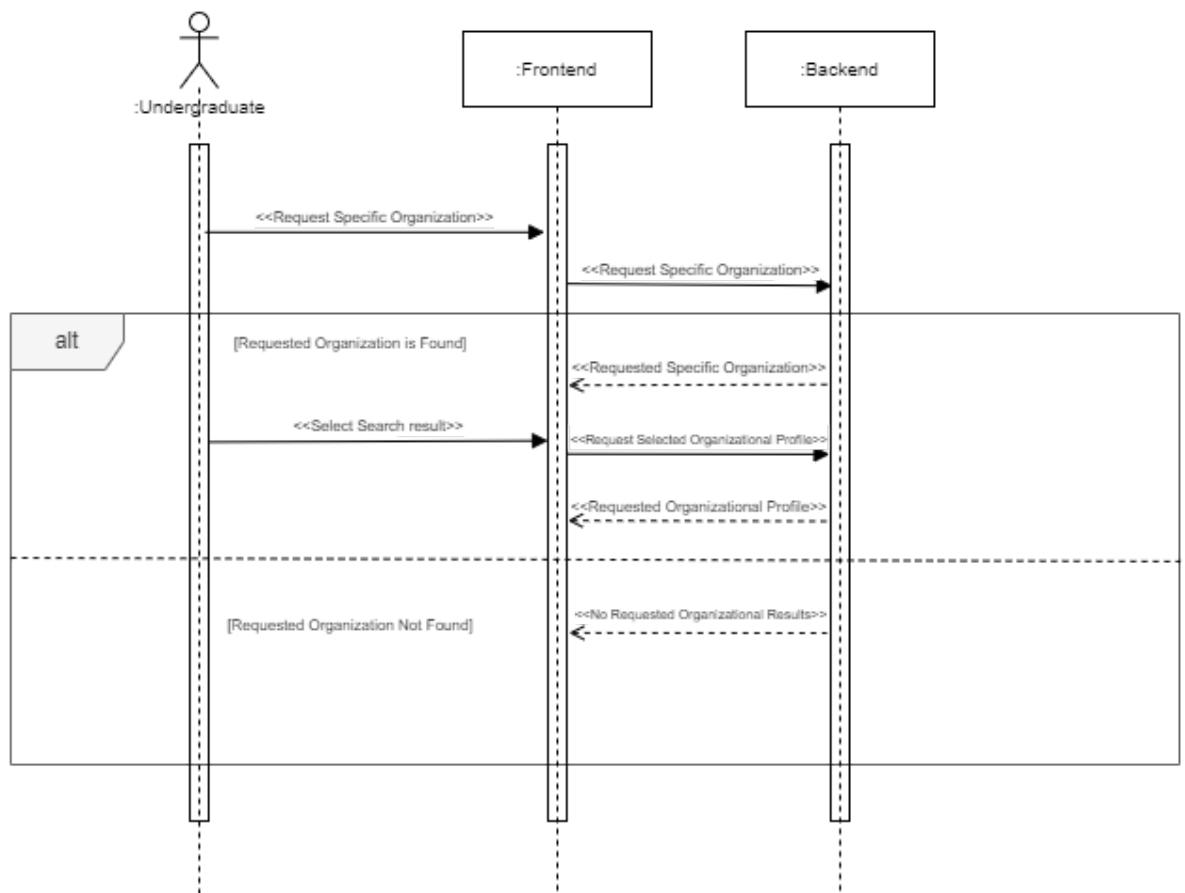
View All Organizations



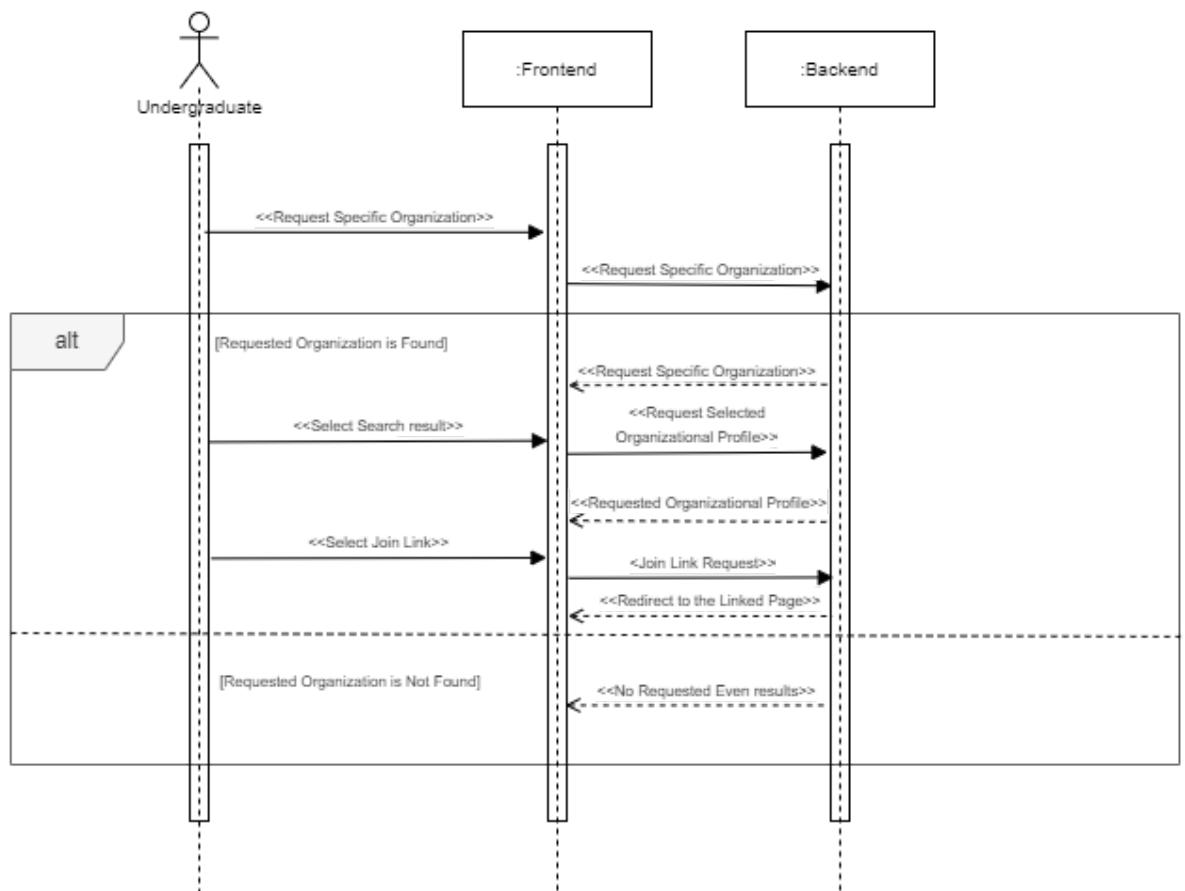
Search/Filter Organization



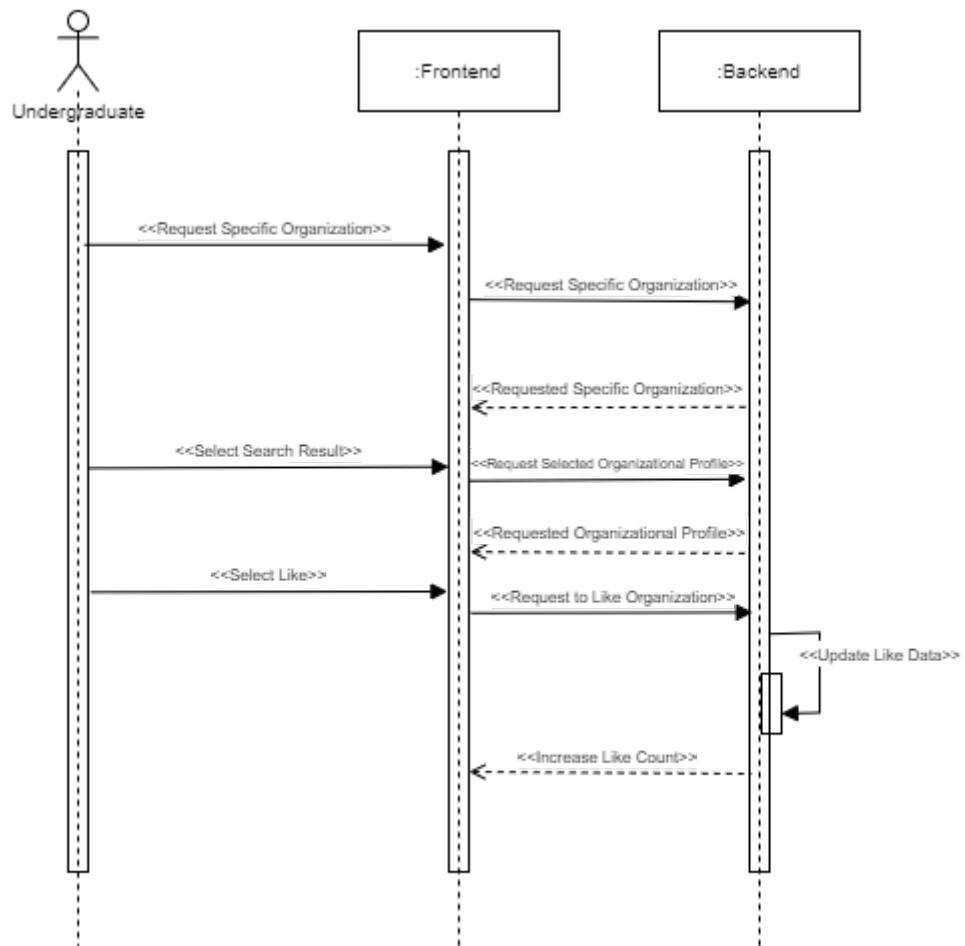
View Specific Organization



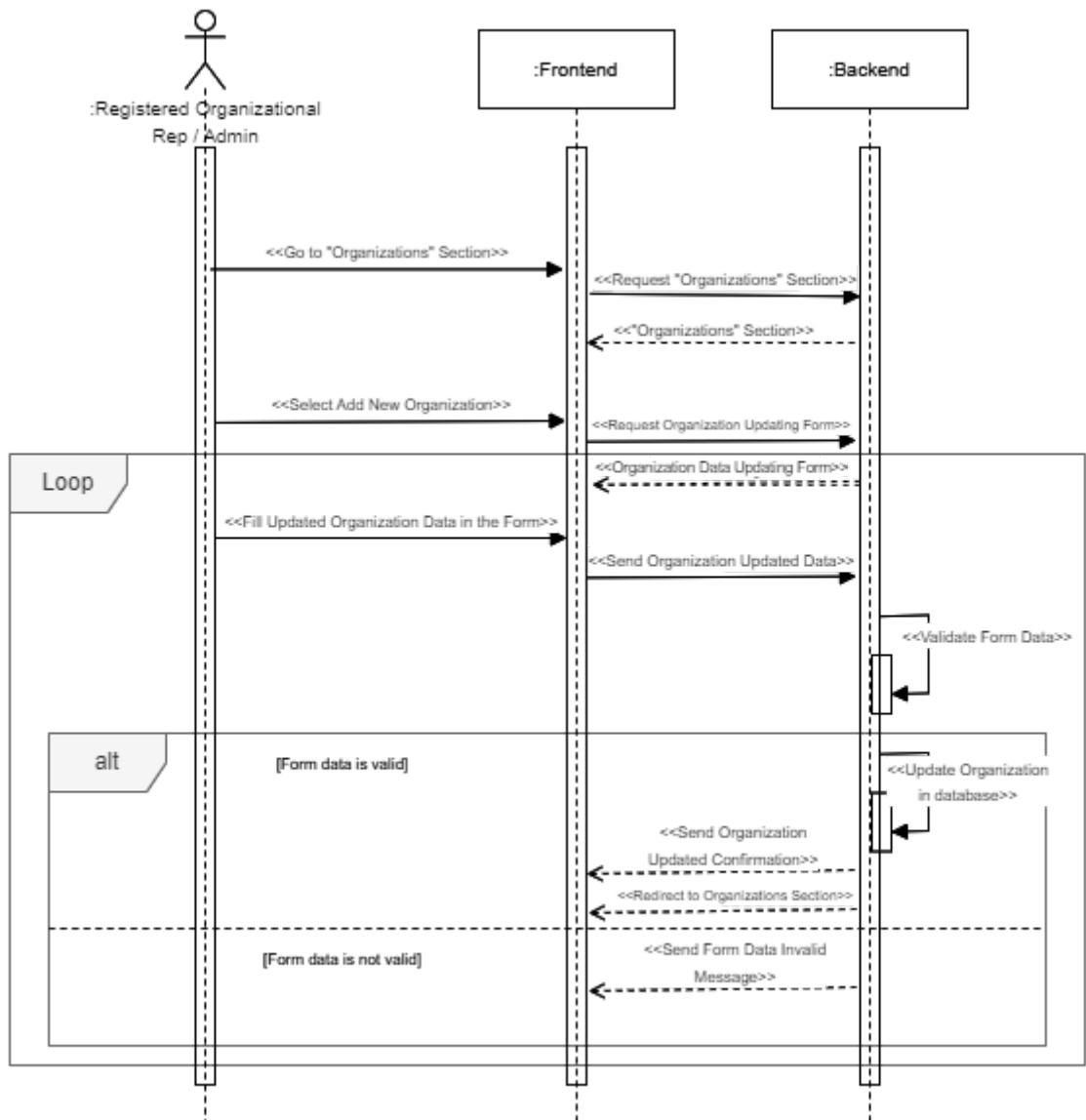
Join an Organization



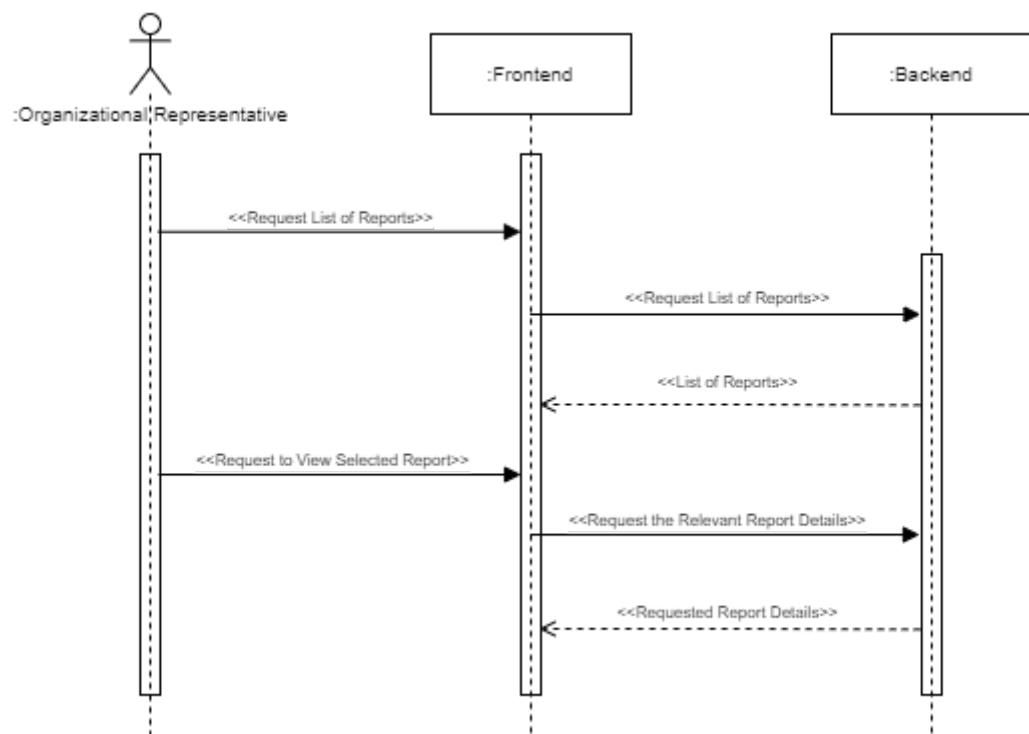
Like an Organization



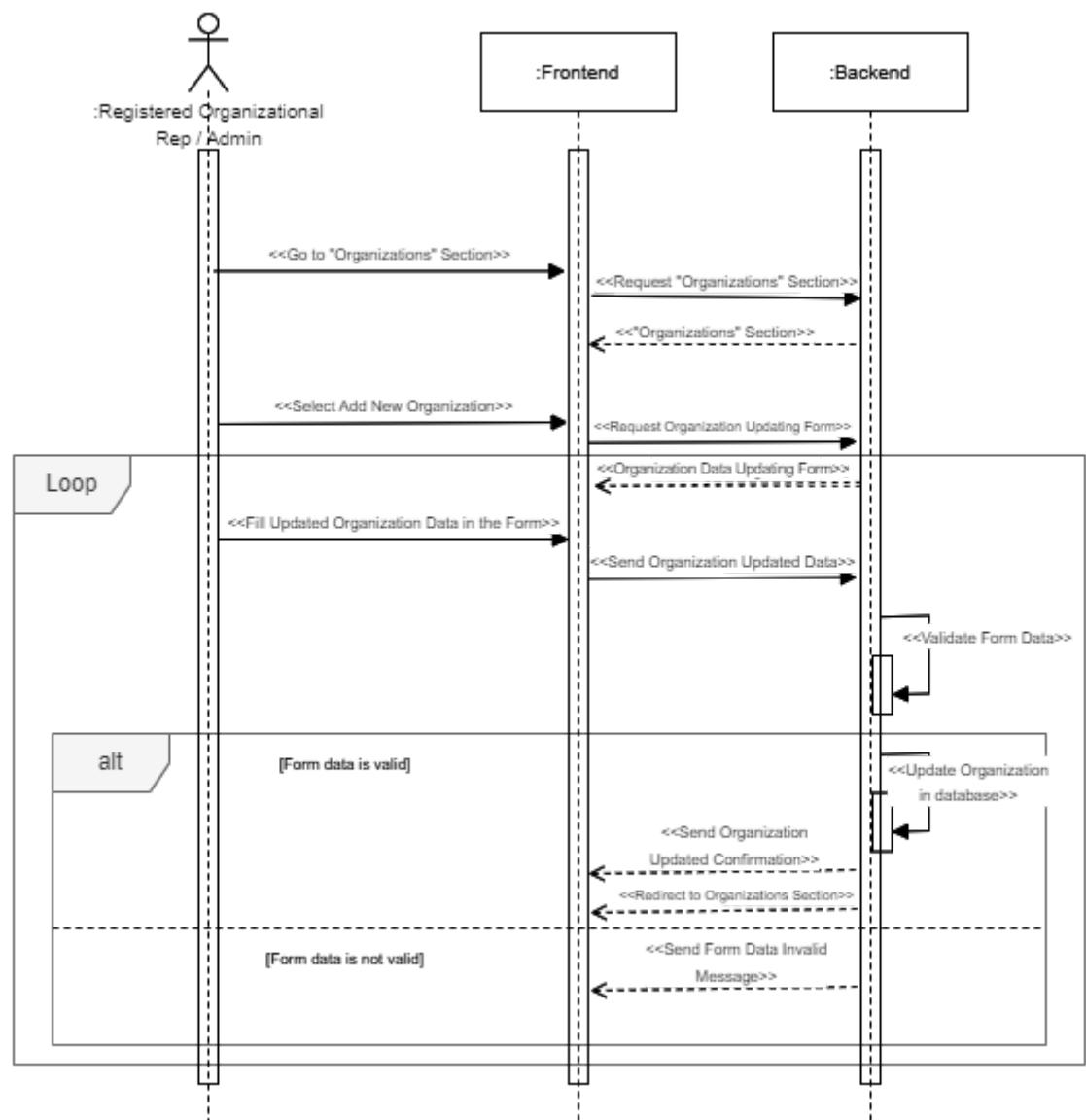
Report an Organization



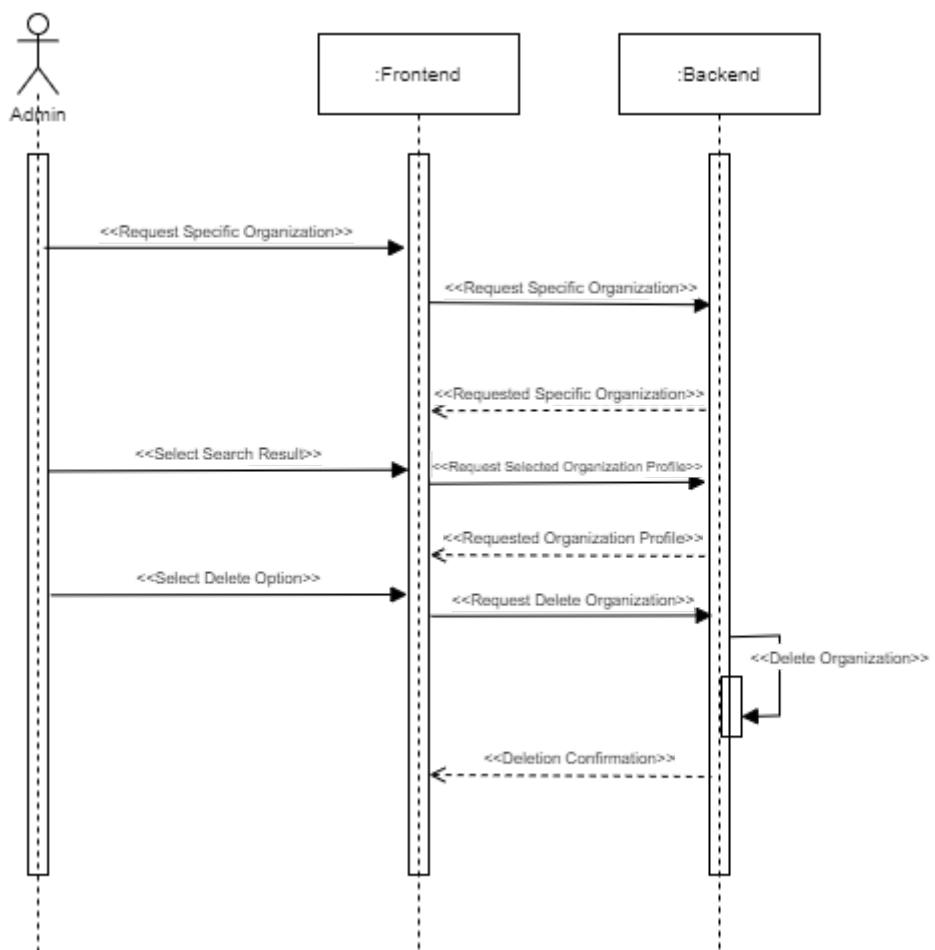
View Reports



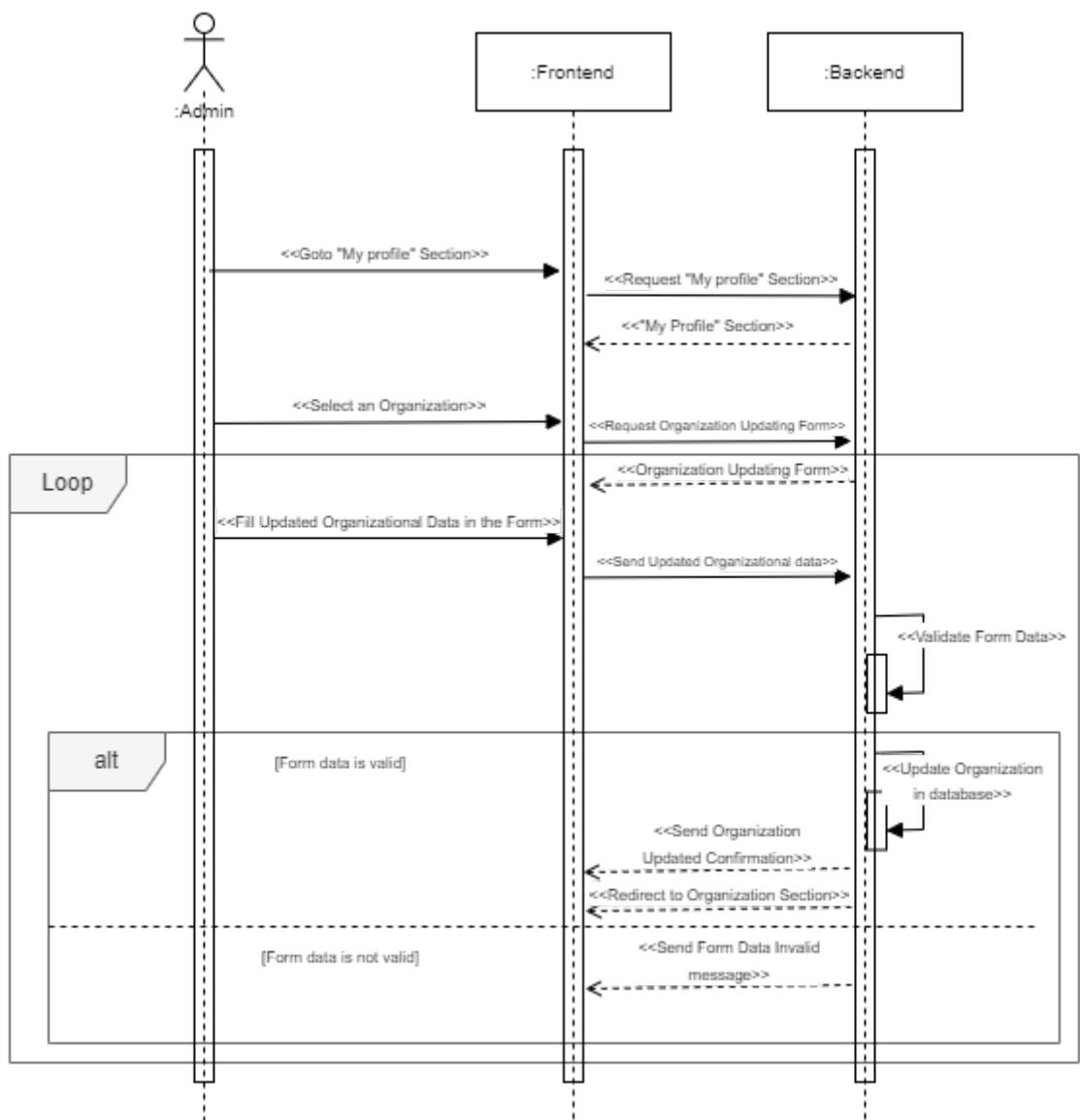
Add an Organization



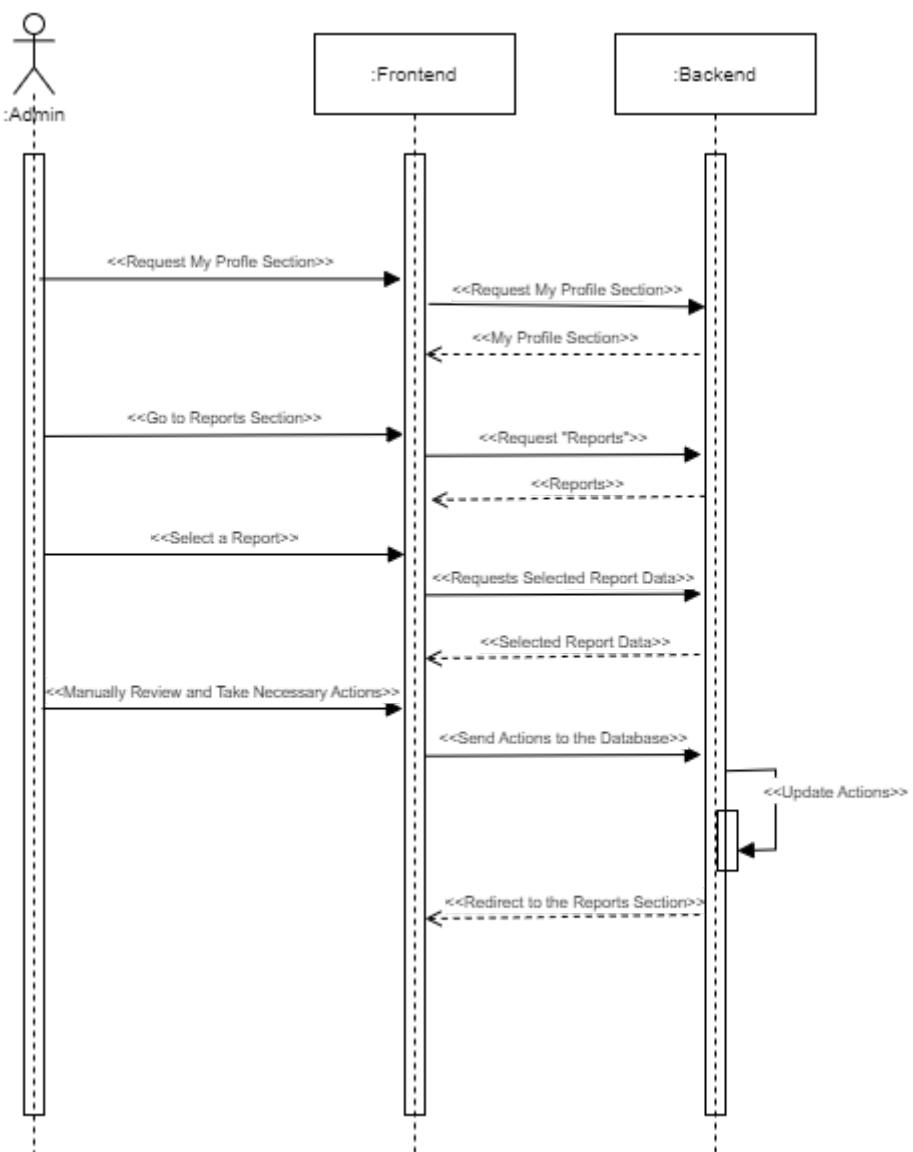
Delete an Organization



Update an Organization

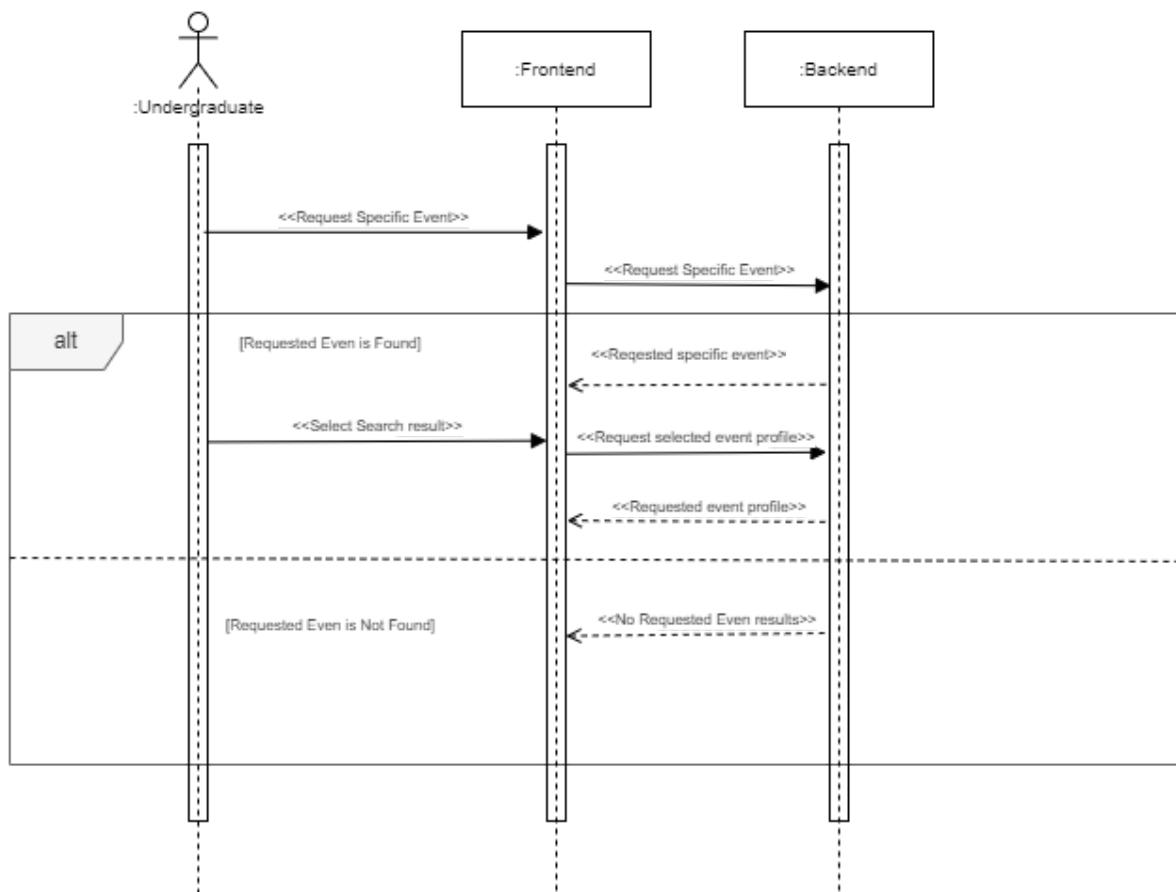


Review Reports

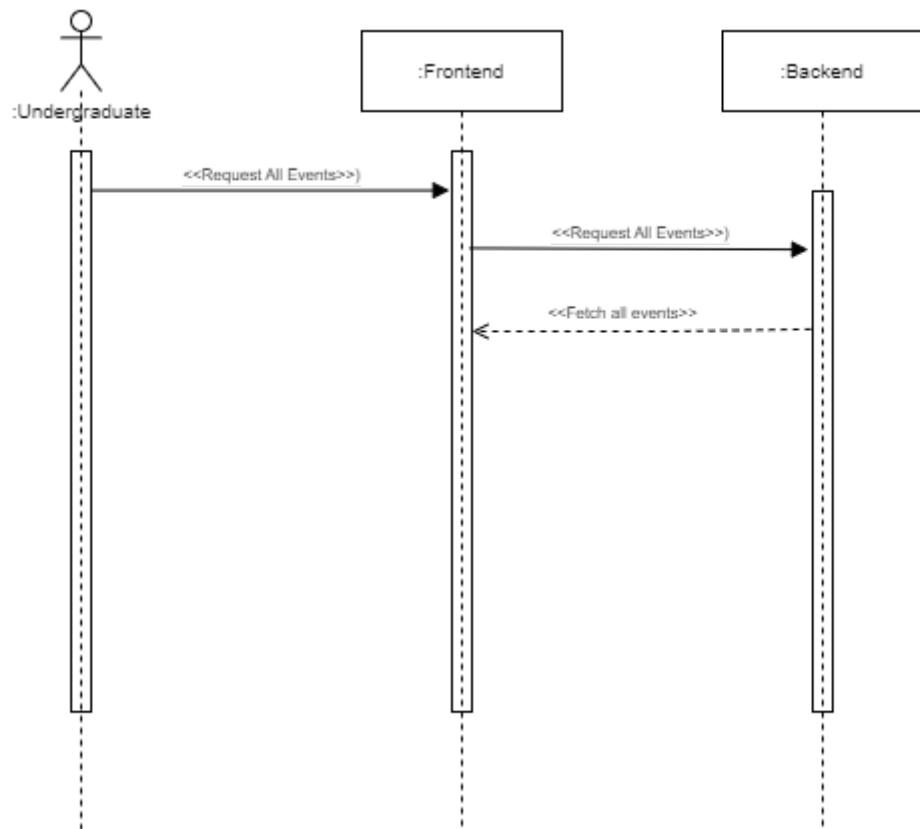


IV. Events

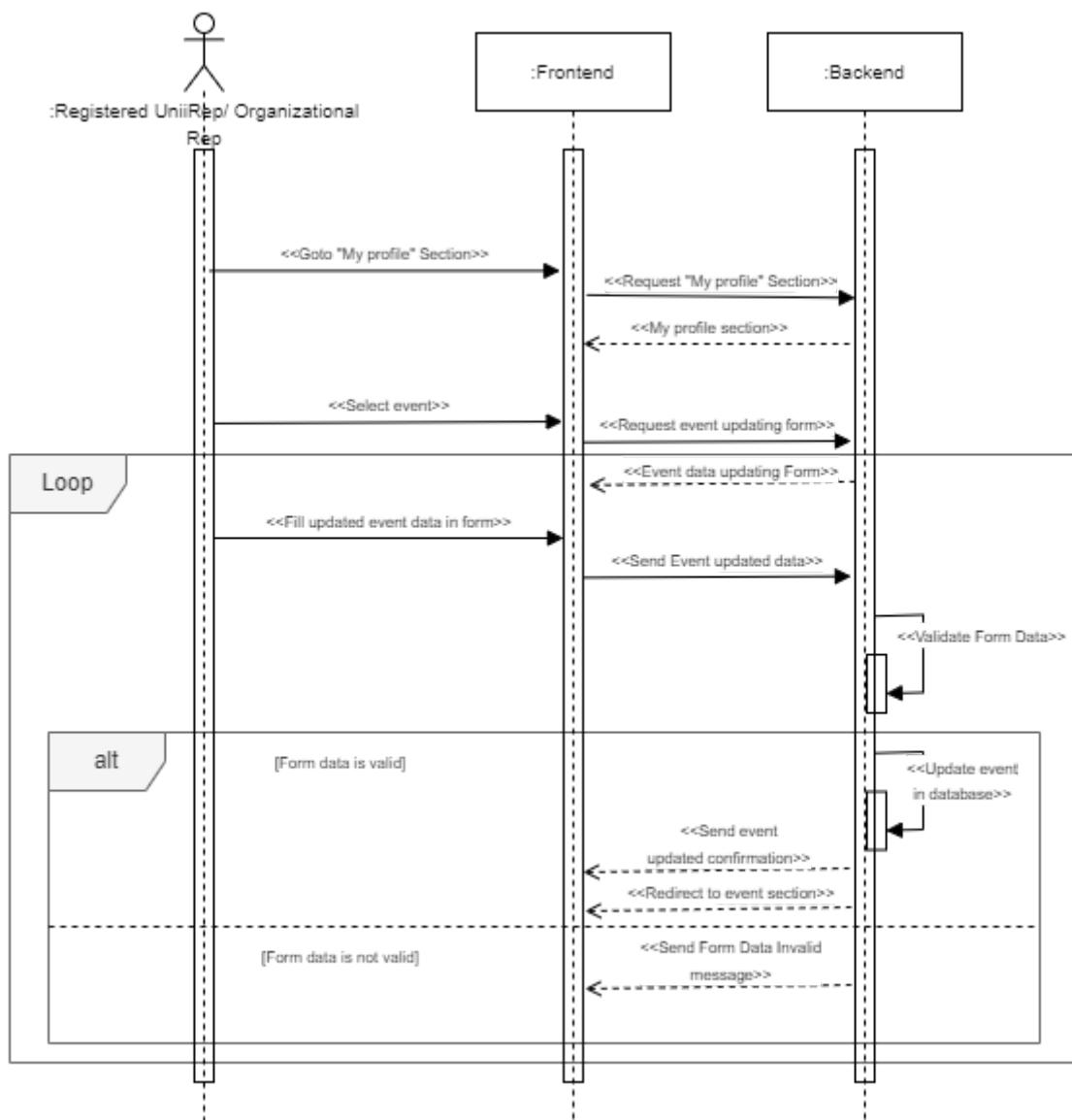
View Specific Event



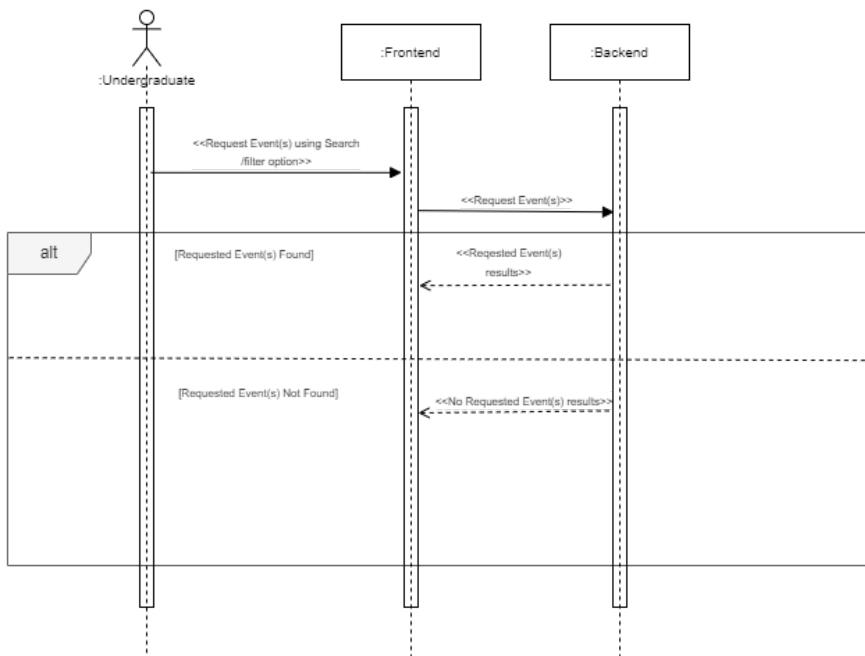
View All Events



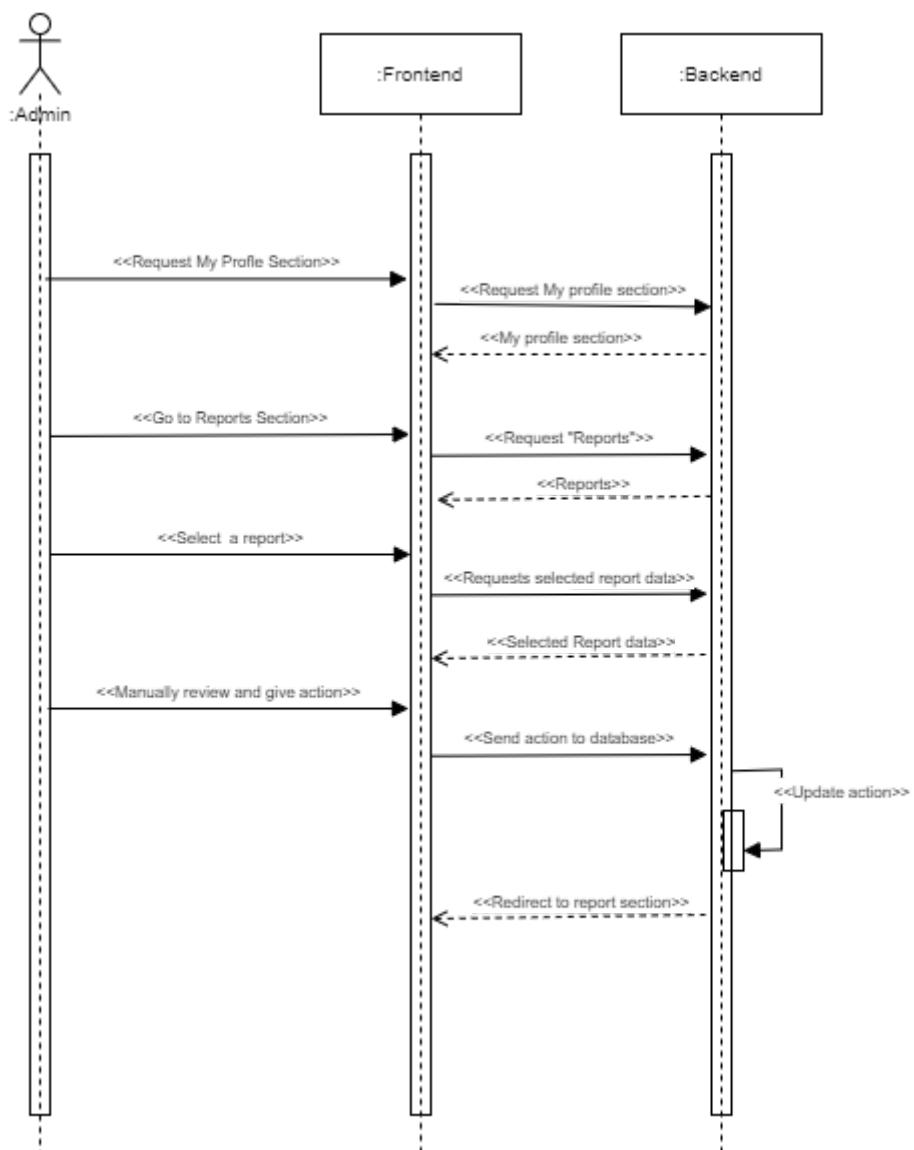
Update an Event



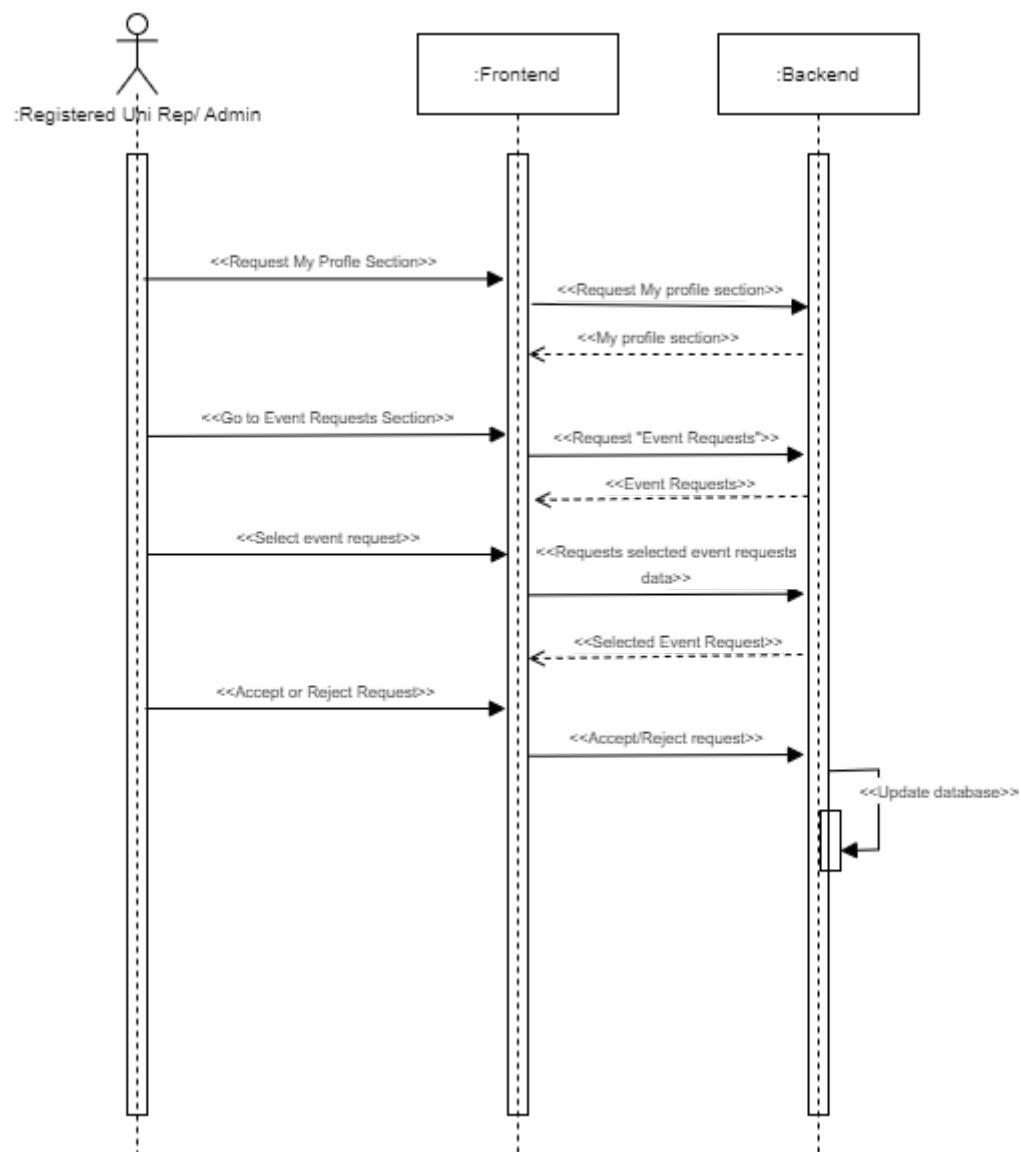
Search/Filter Events



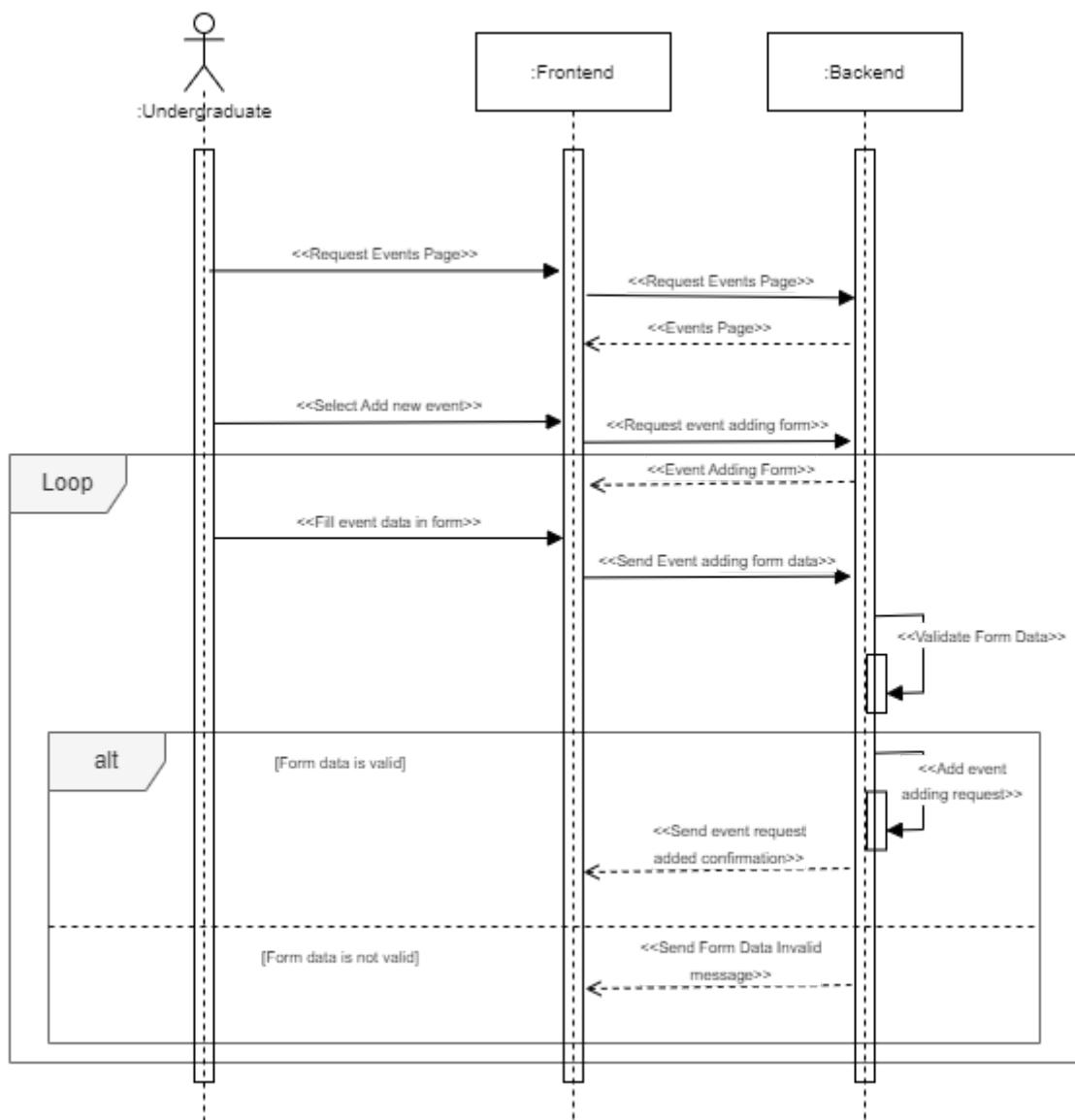
Review Reports



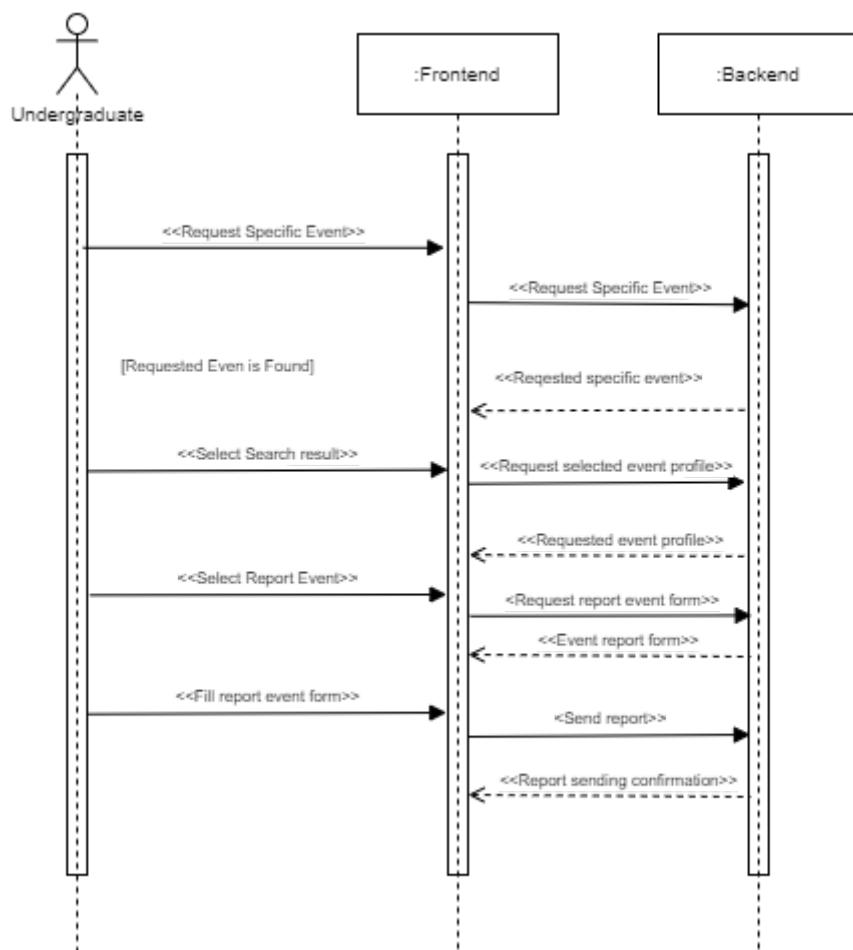
Review Event Request



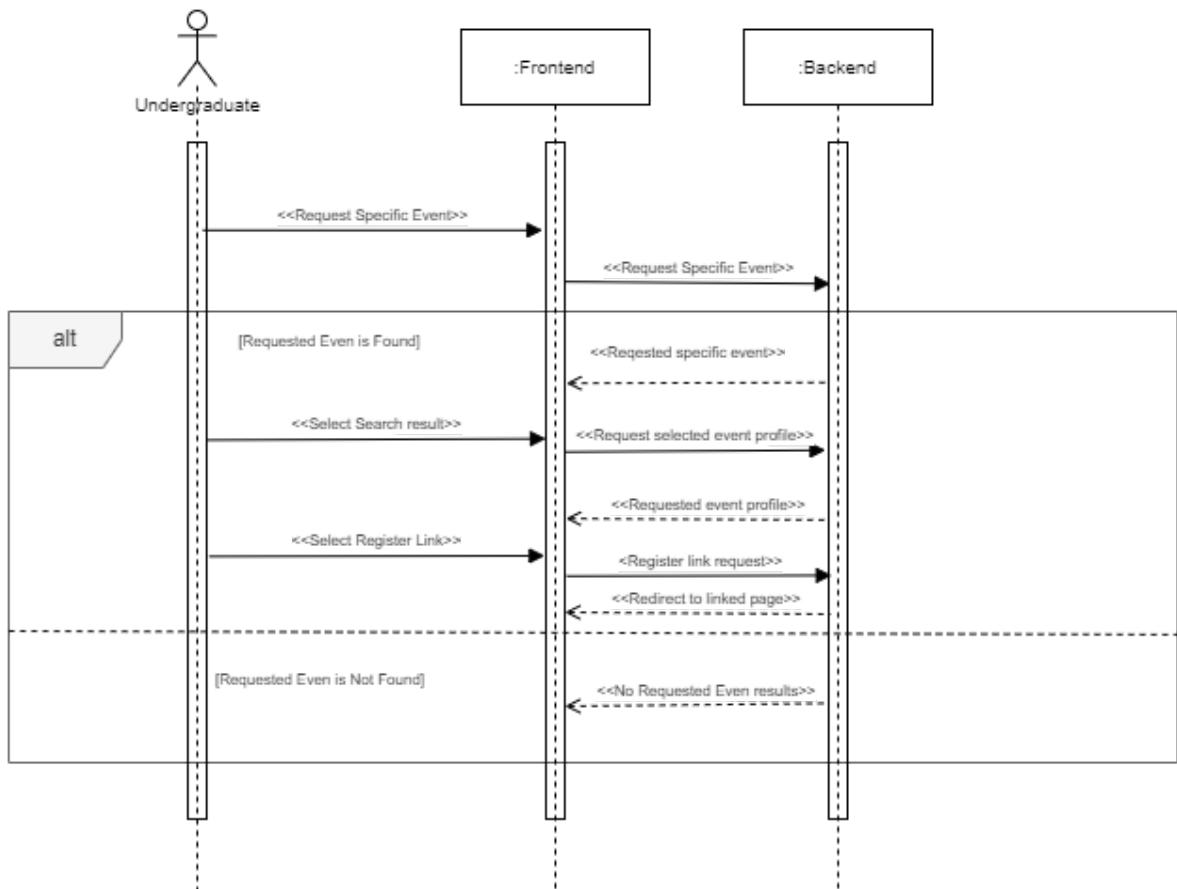
Request to add an event



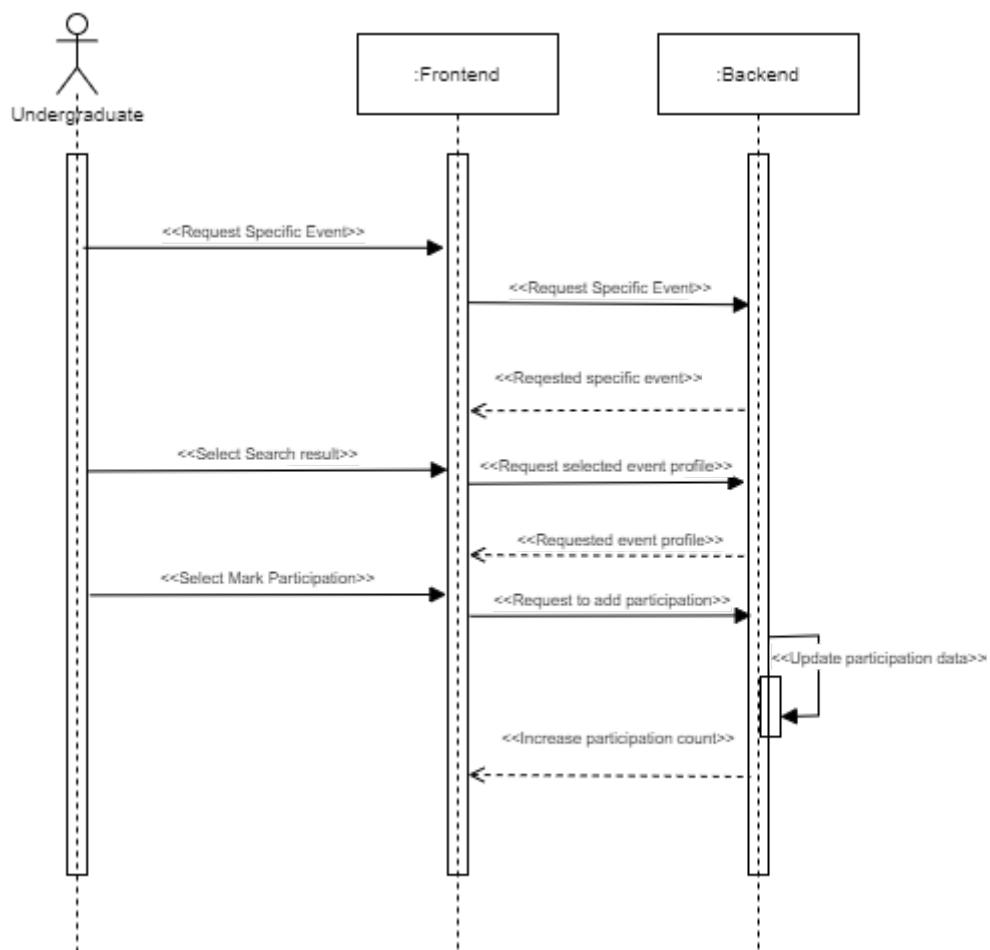
Report an Event



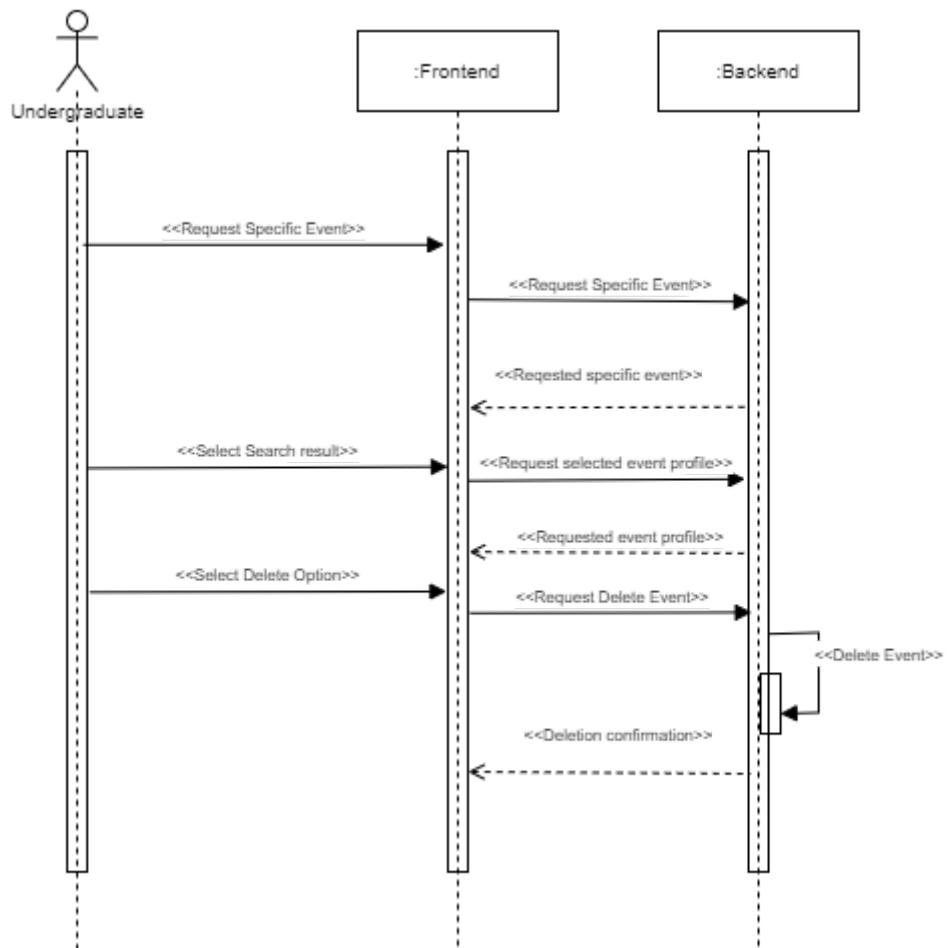
Register for an Event



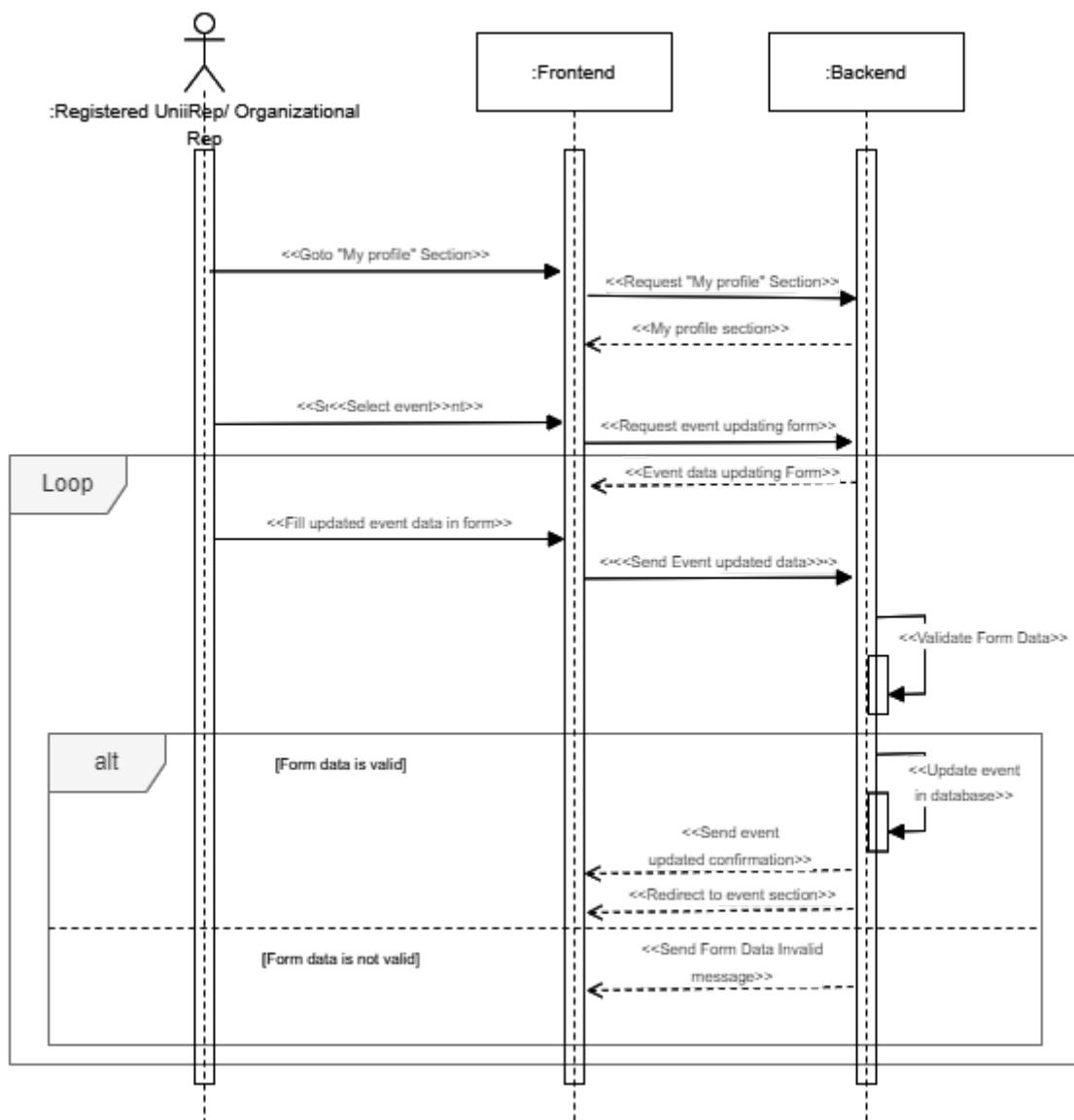
Mark Participation



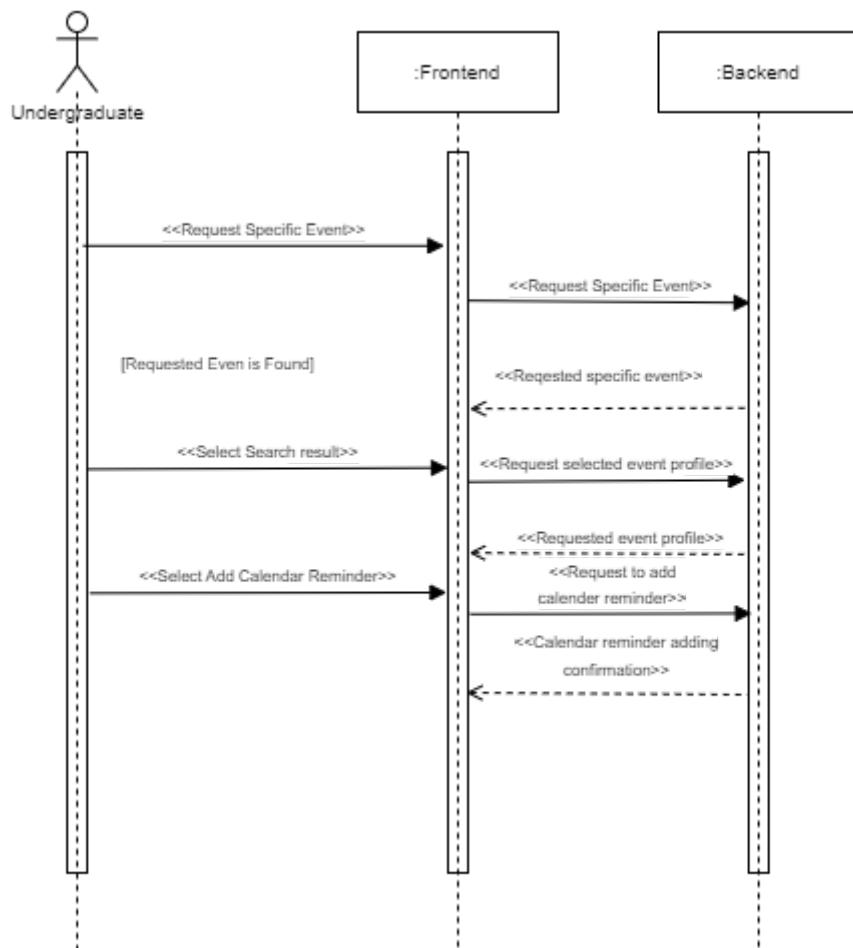
Delete Event



Add New Event

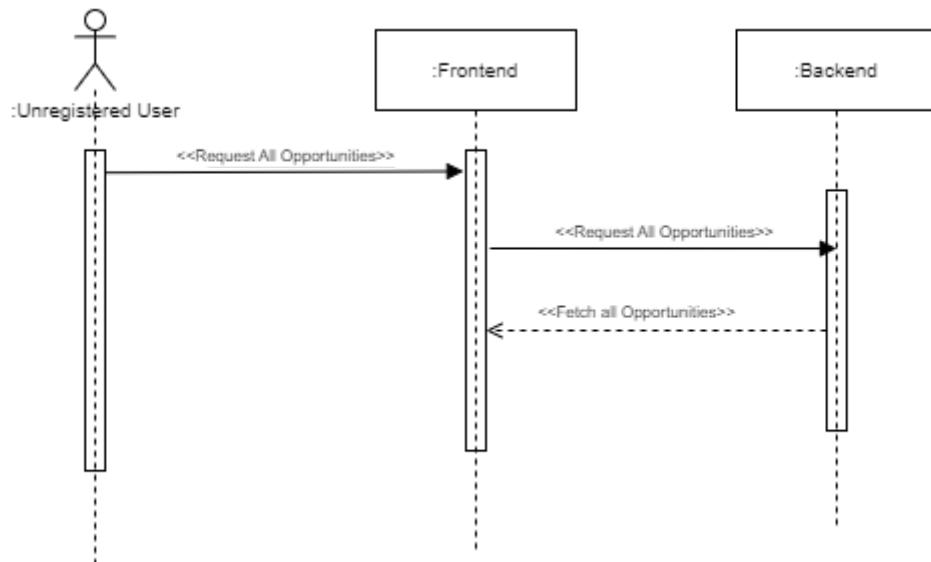


Add Calendar Remaider

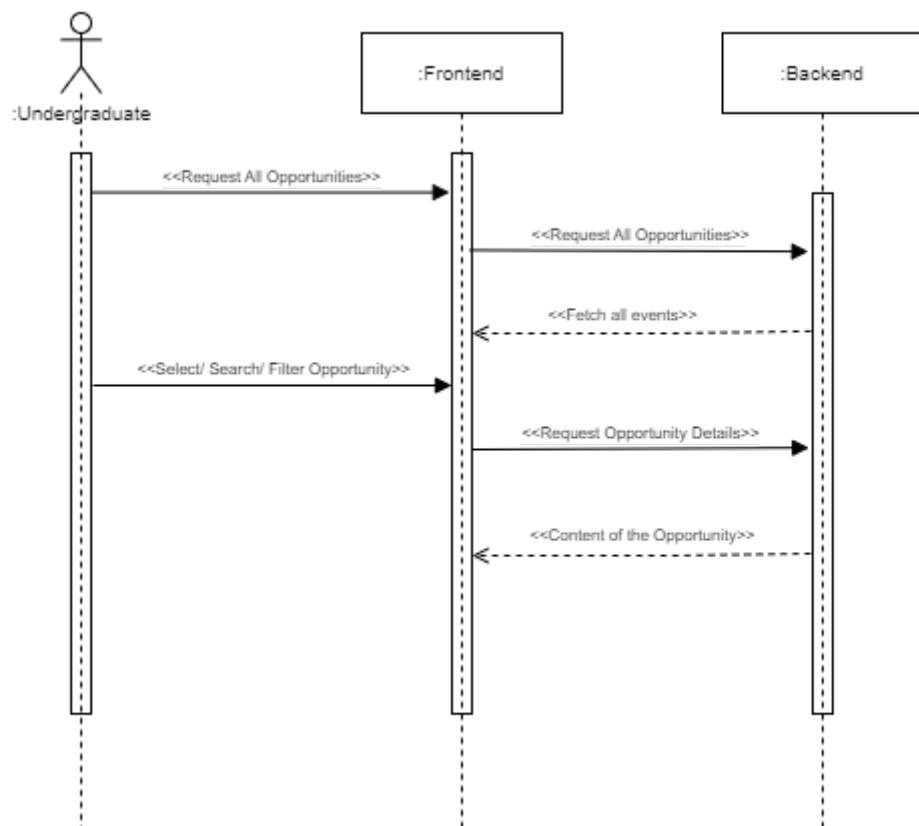


V. Opportunities

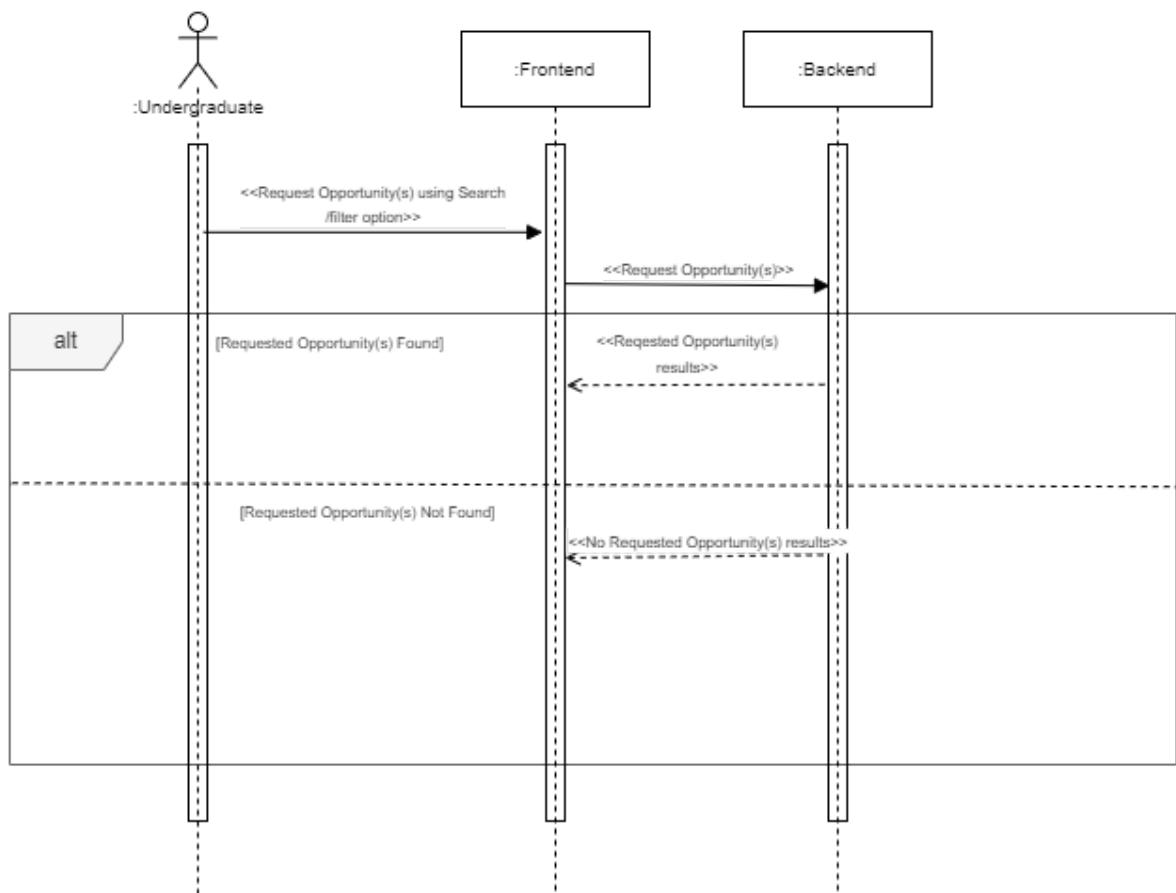
[View All Opportunities](#)



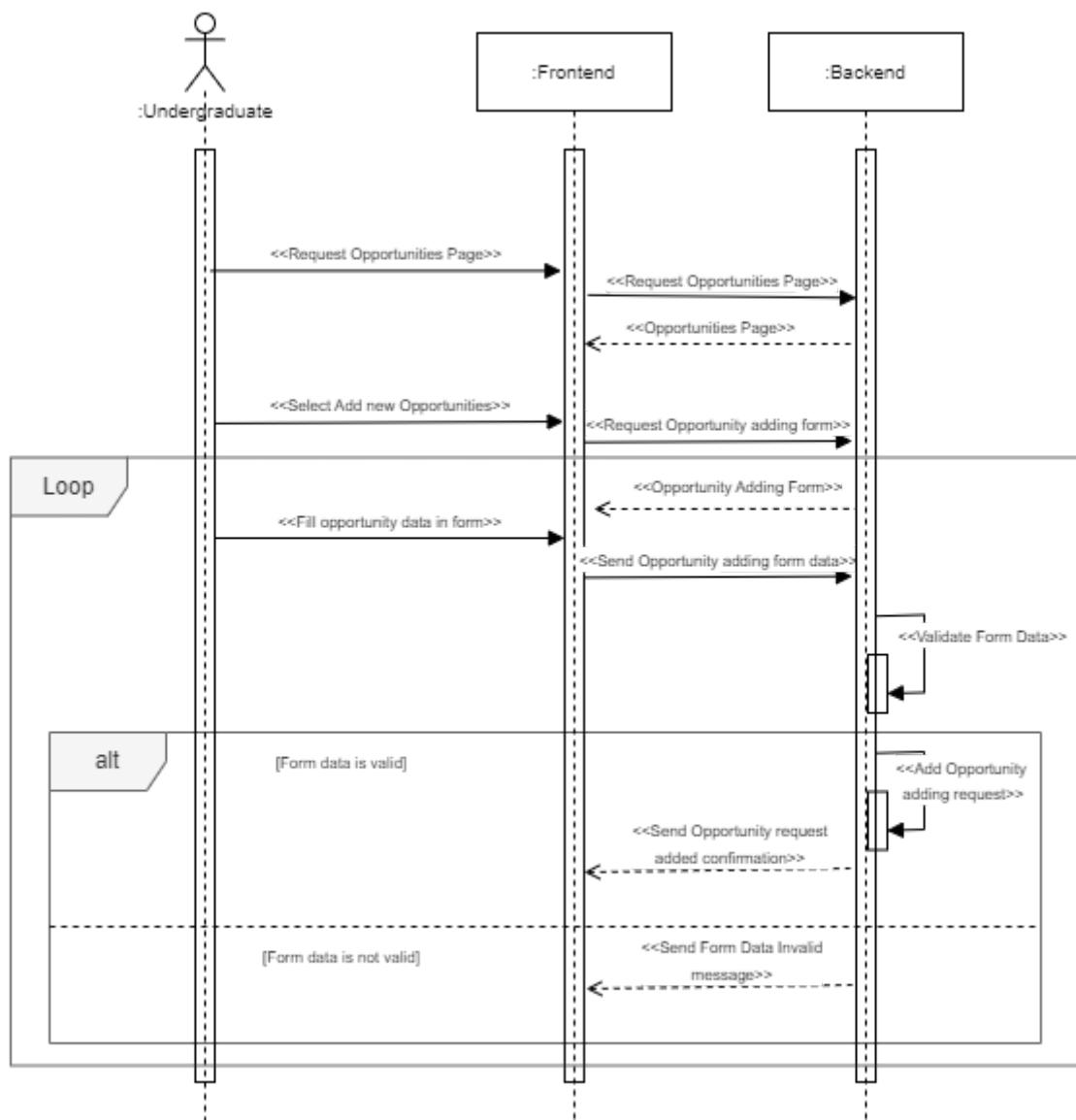
[View Specific Opportunity](#)



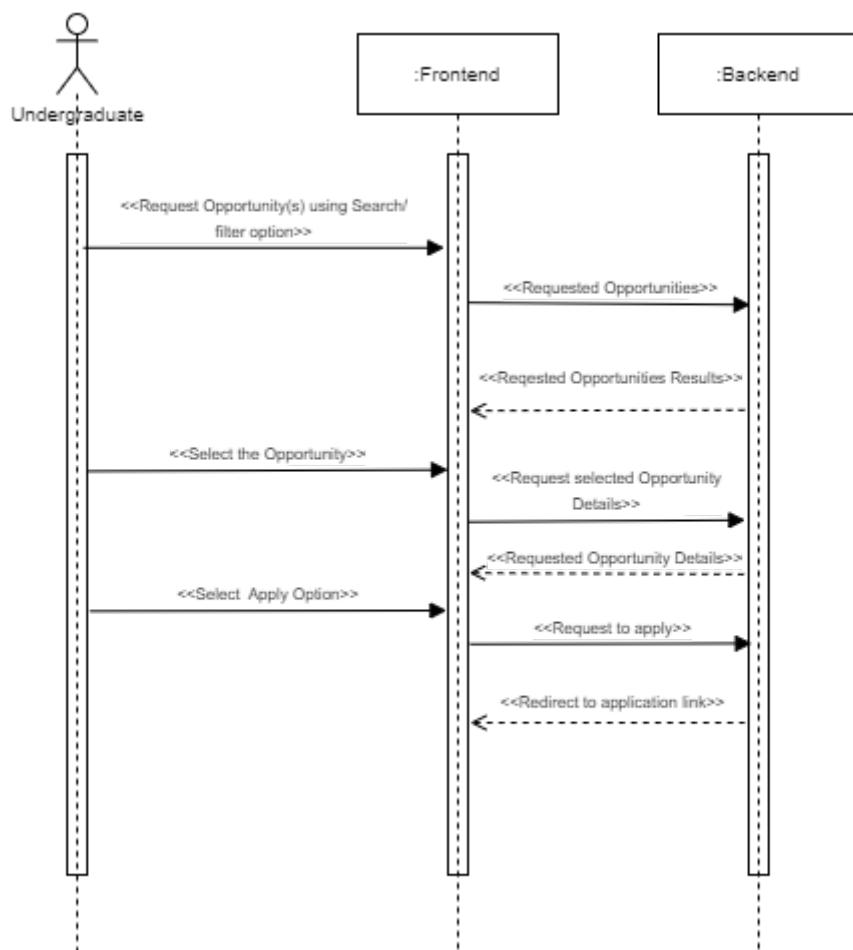
Search/Filter Opportunity



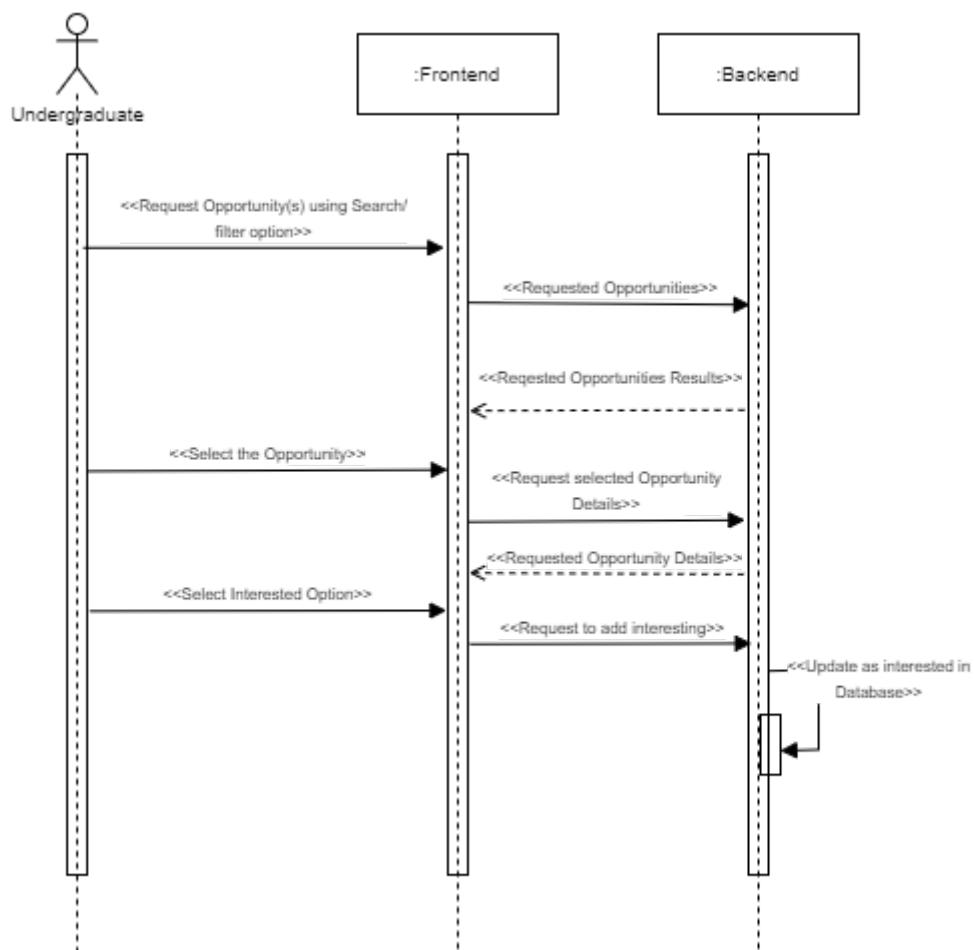
Request to add new Opportunity



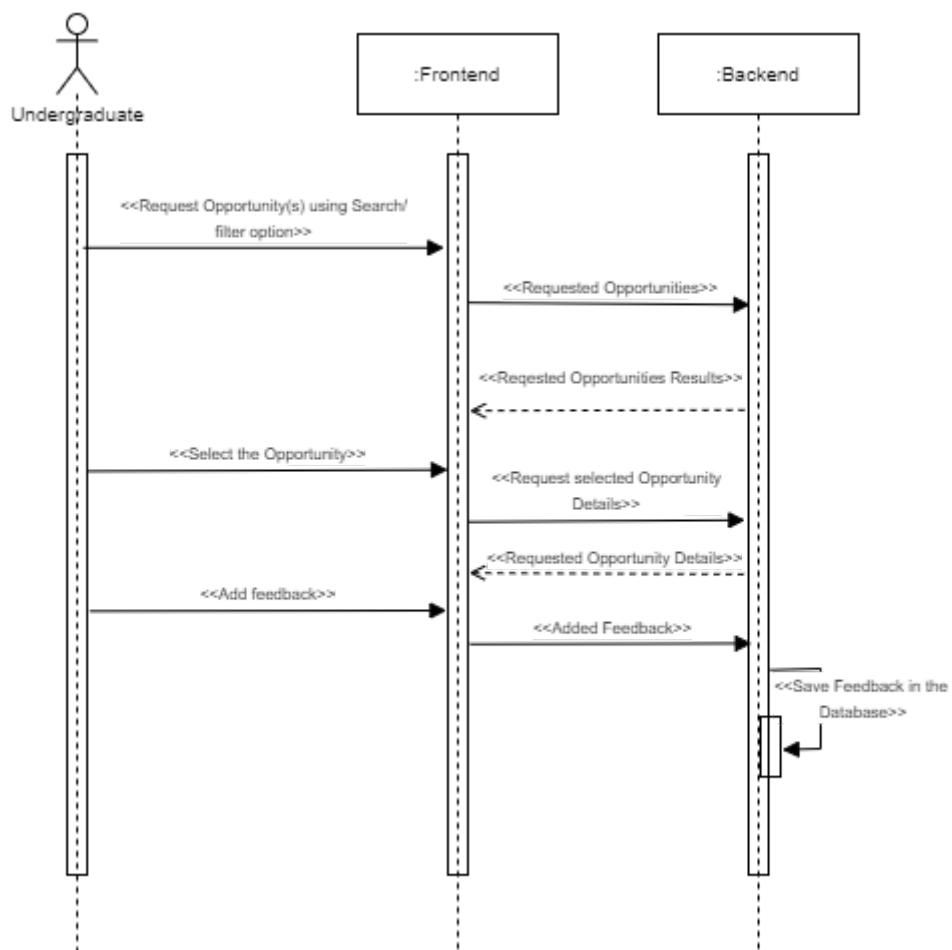
Apply for Opportunity



Mark Interest

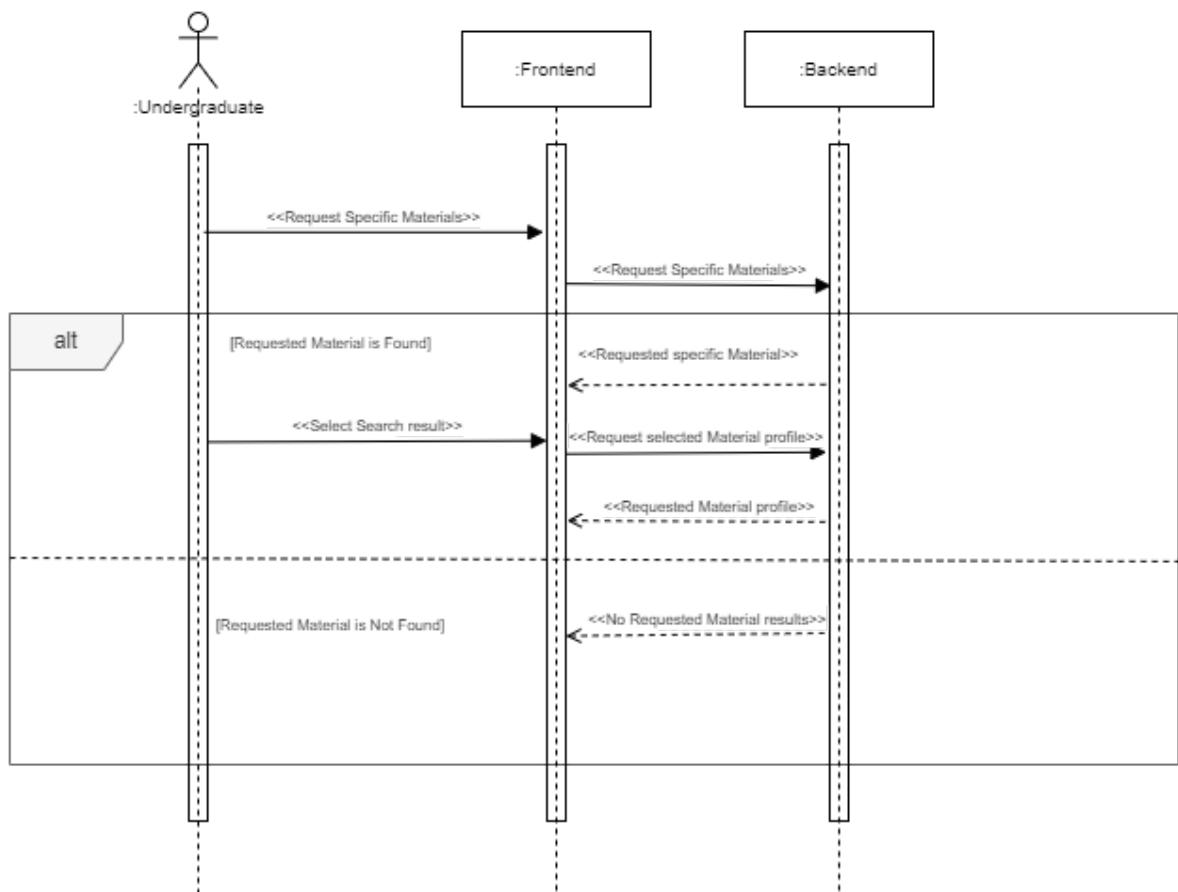


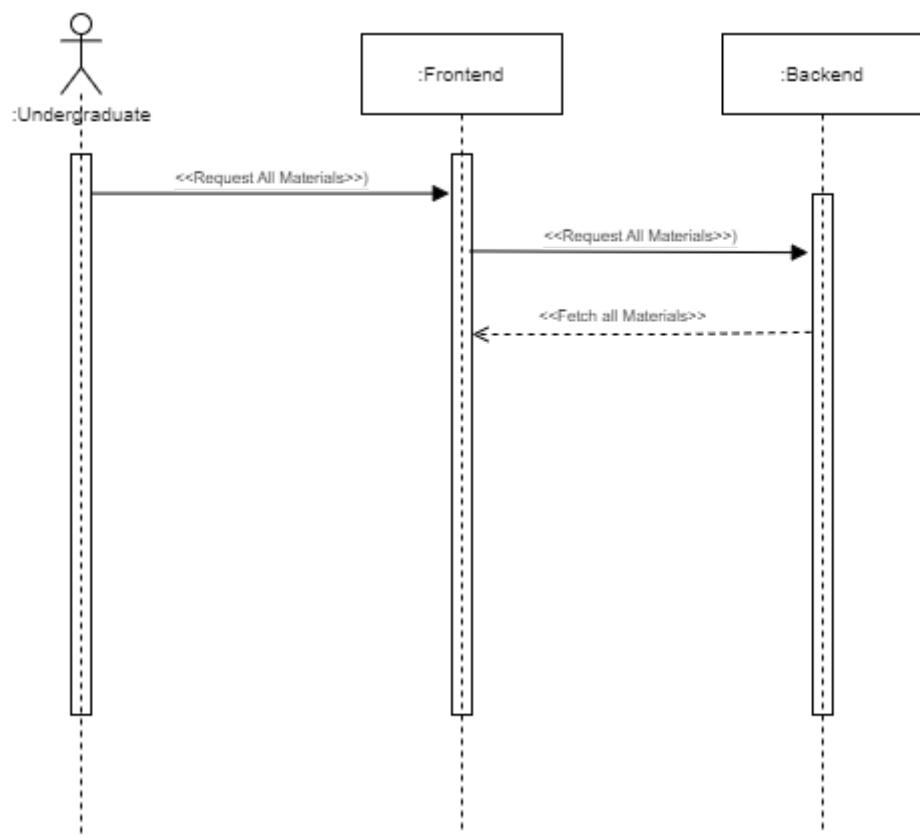
Add Feedback



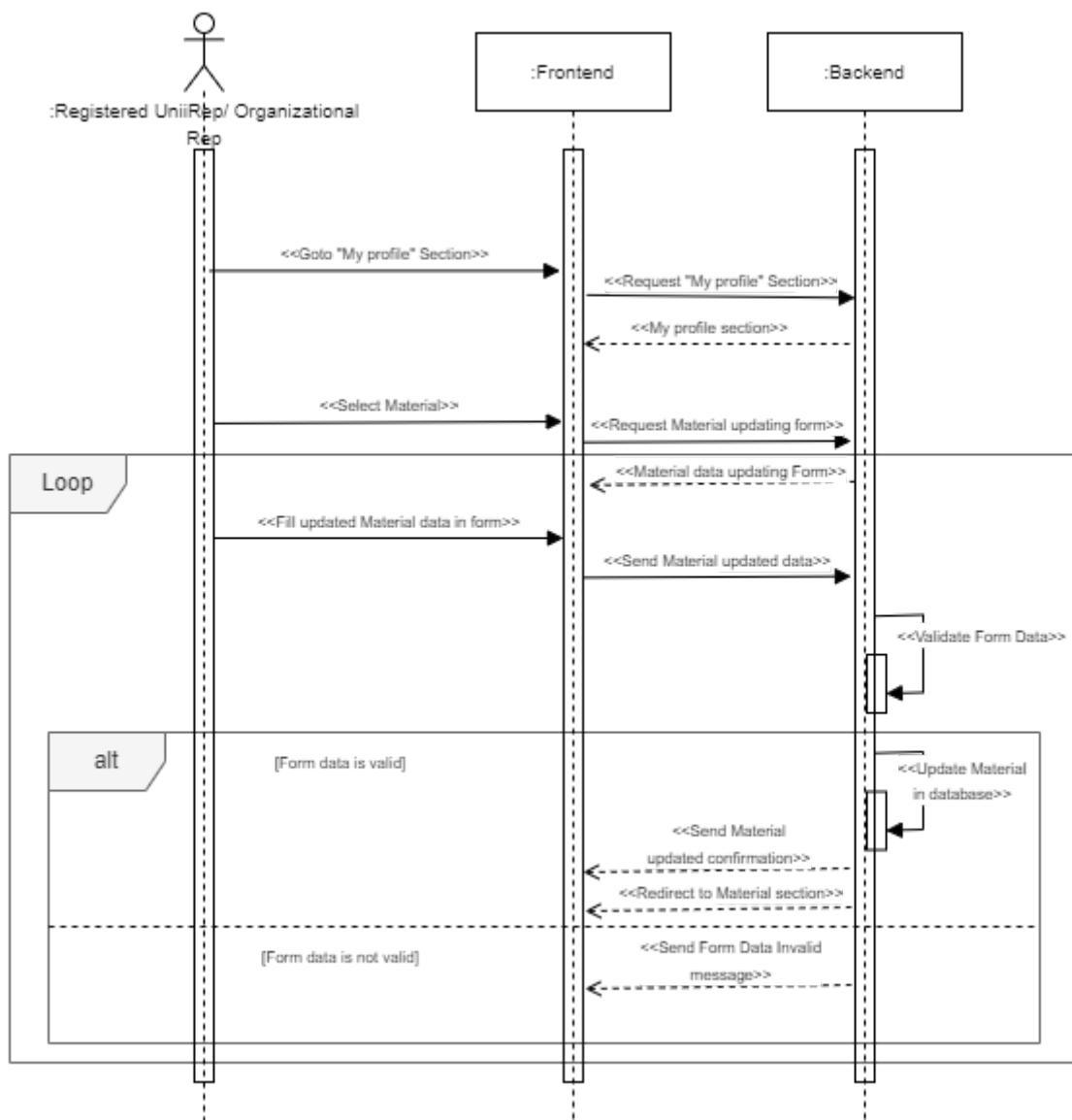
VI. Knowledge Base

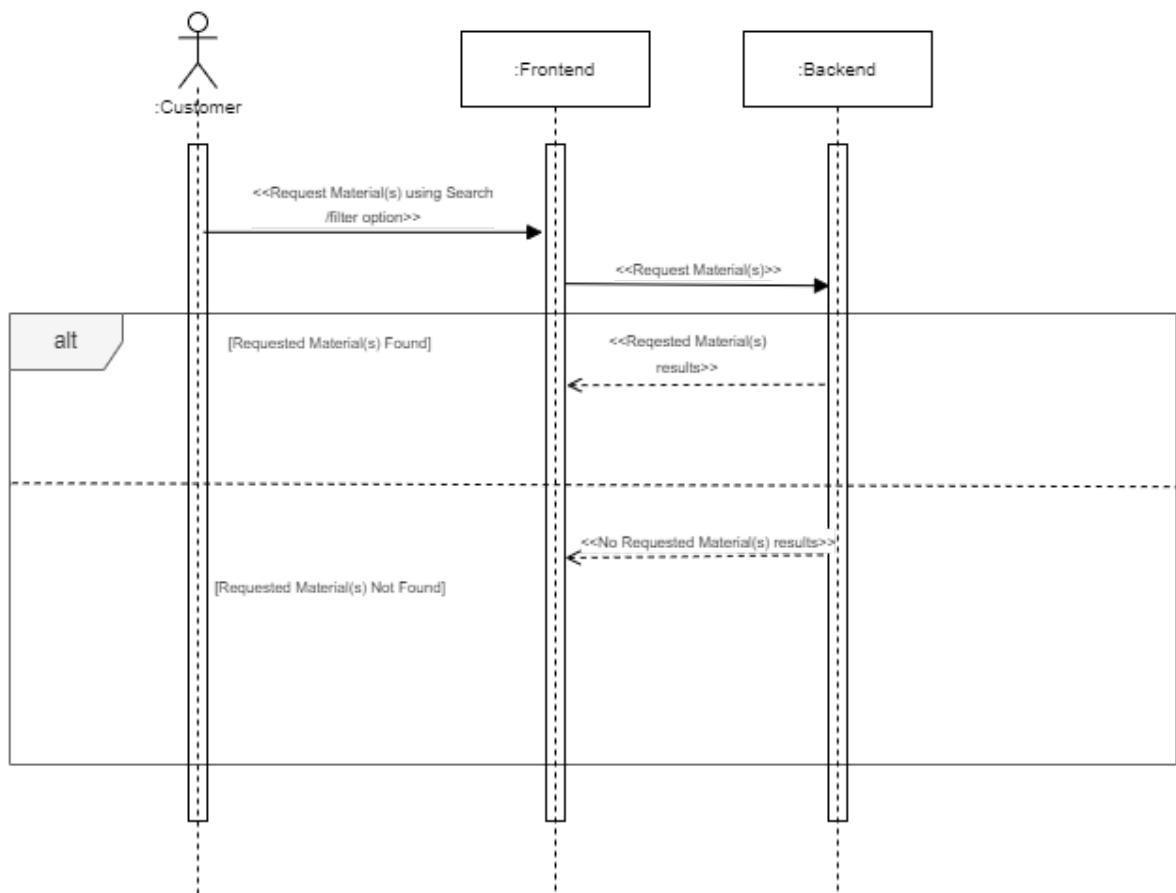
View Specific Material

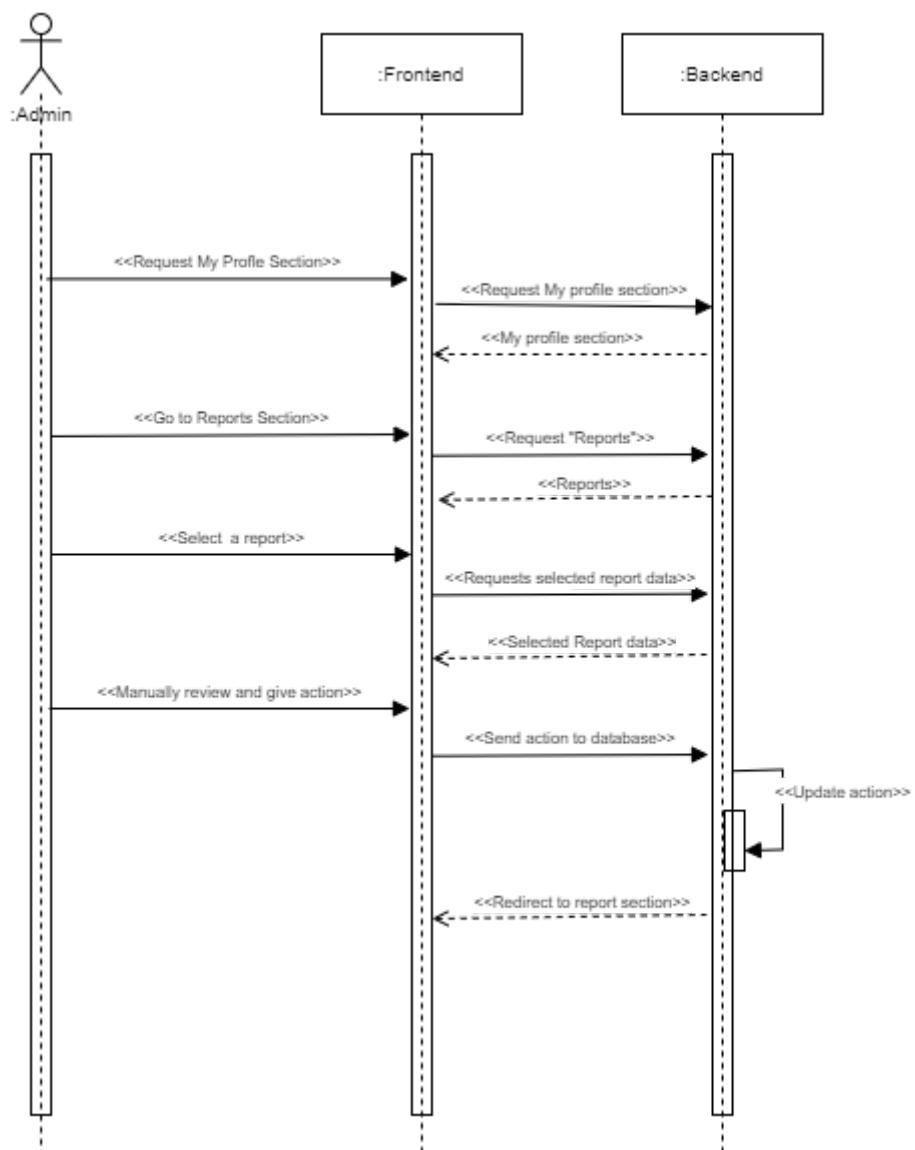


[View All Materials](#)

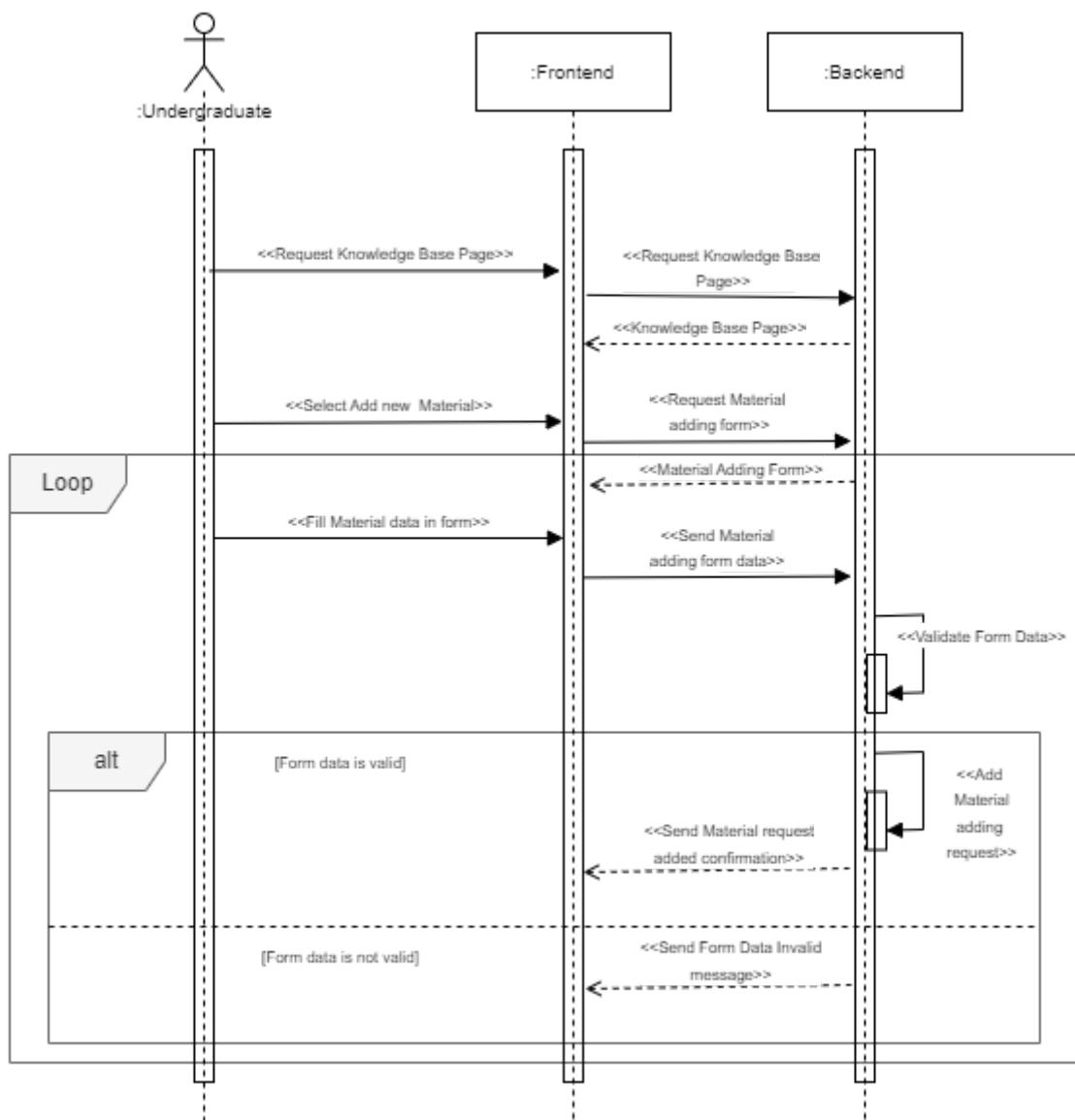
Update Material

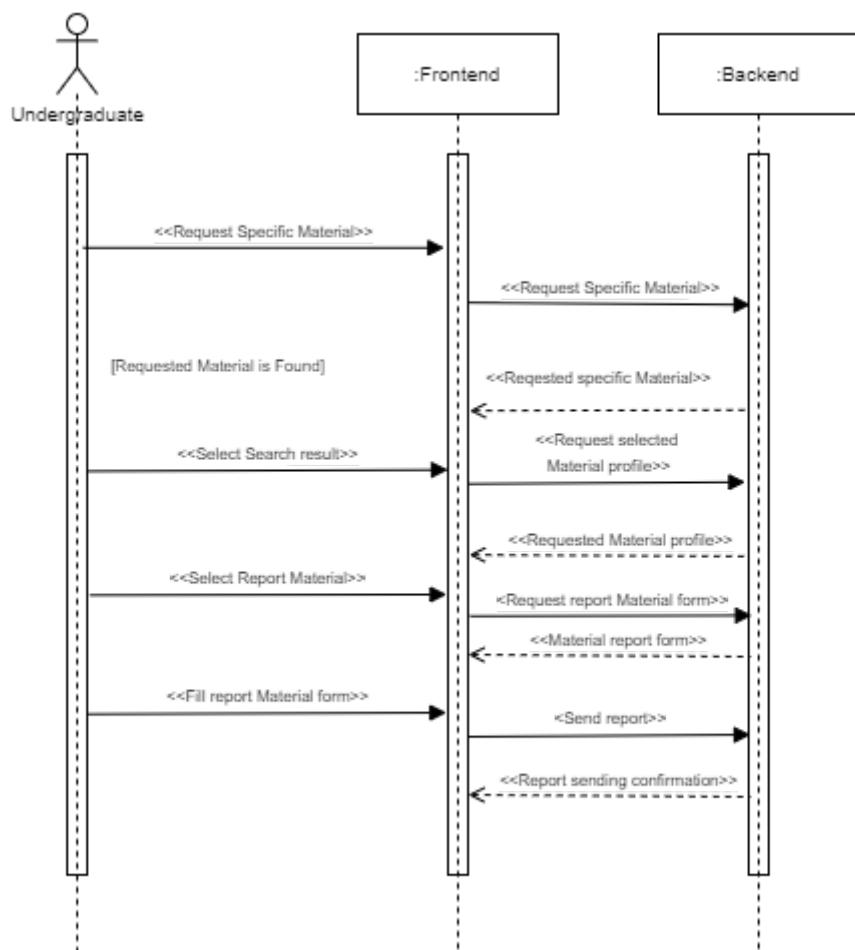


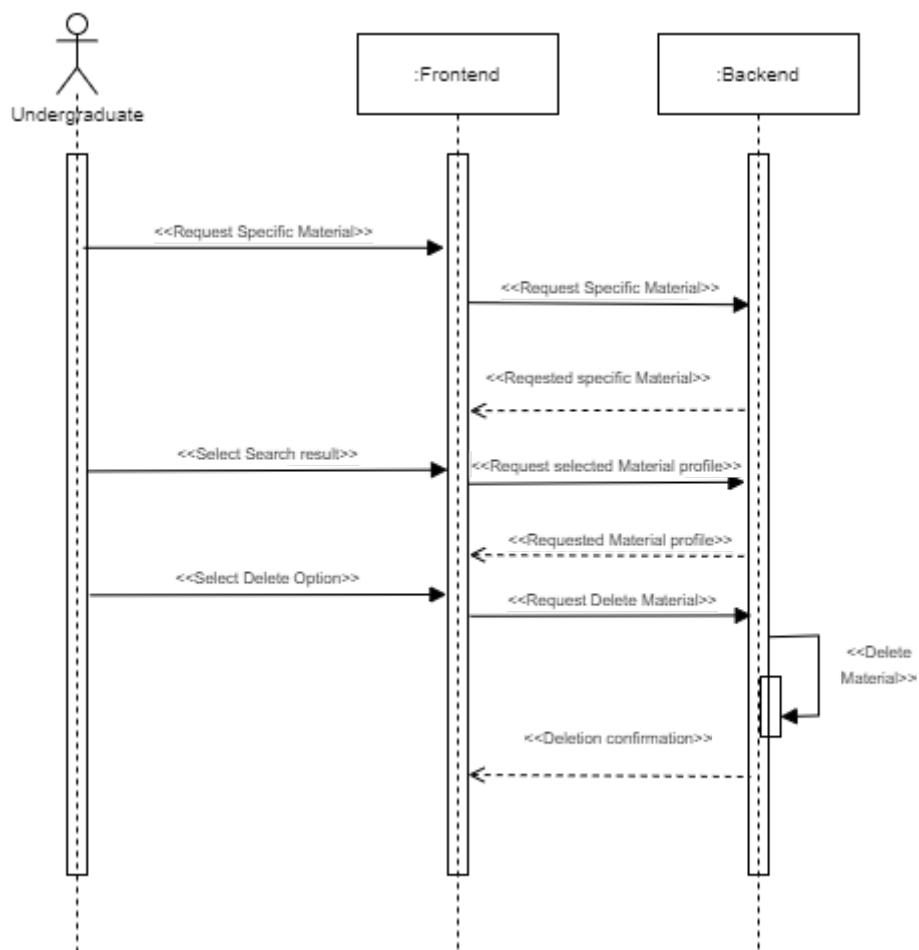
Search Material

Review Reports

Request to add new materials



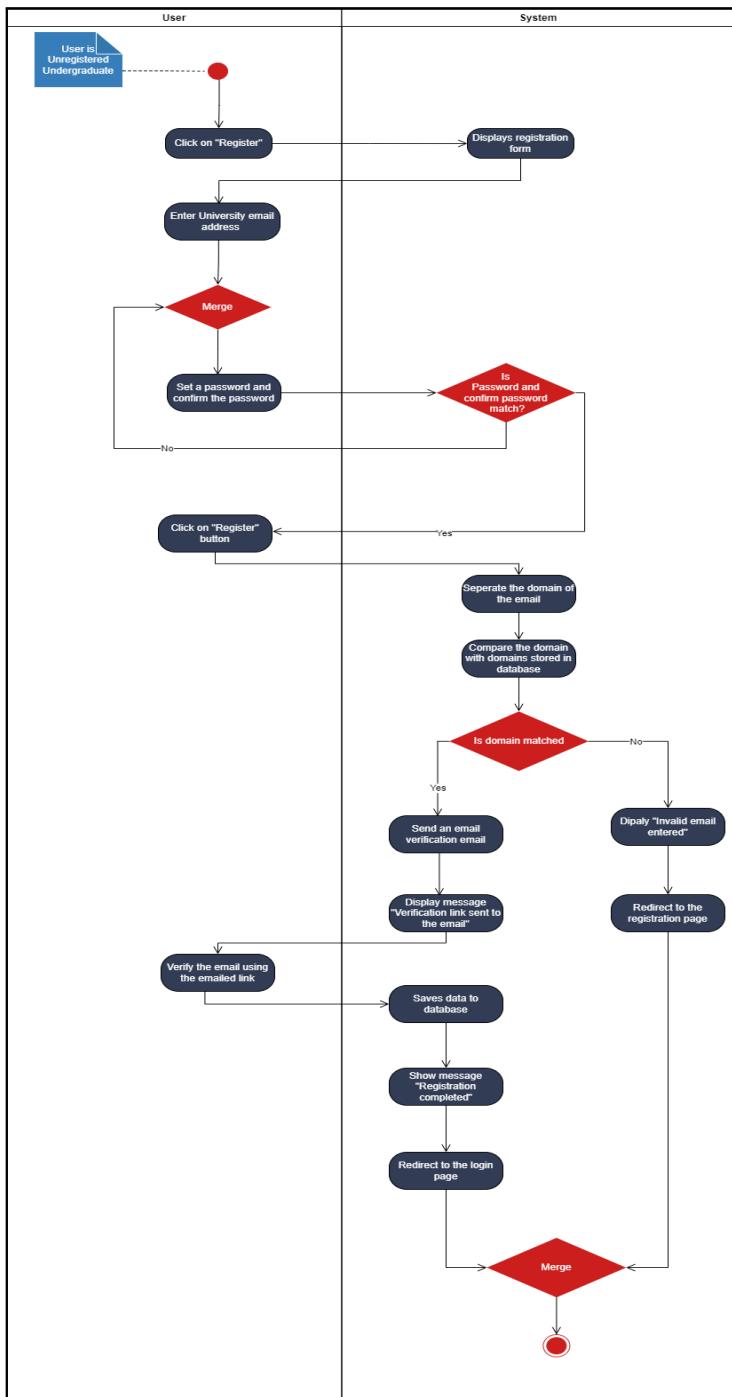
Report Materials

Delete Material

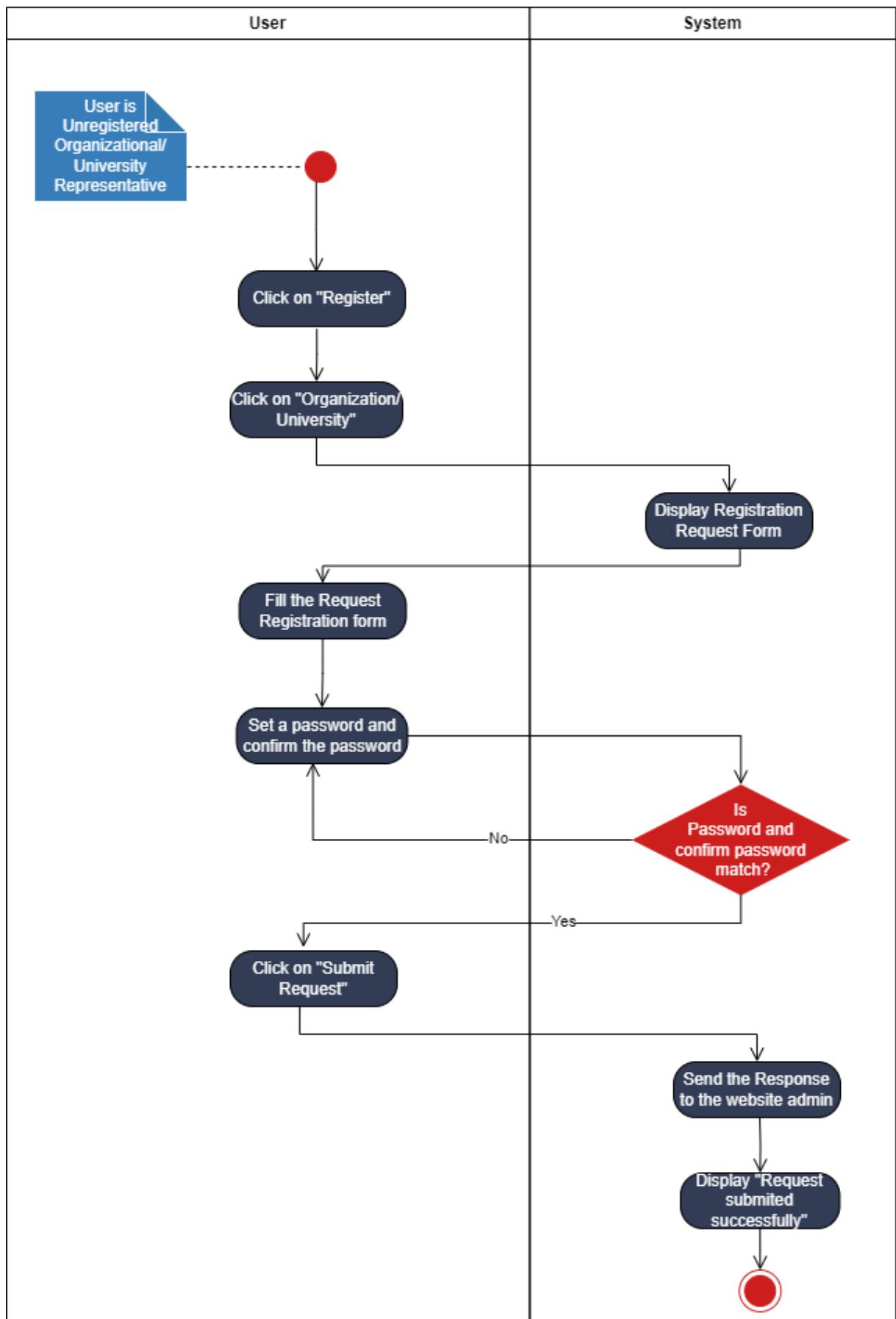
10.4 Activity Diagrams

I. Sign Up and Sign In

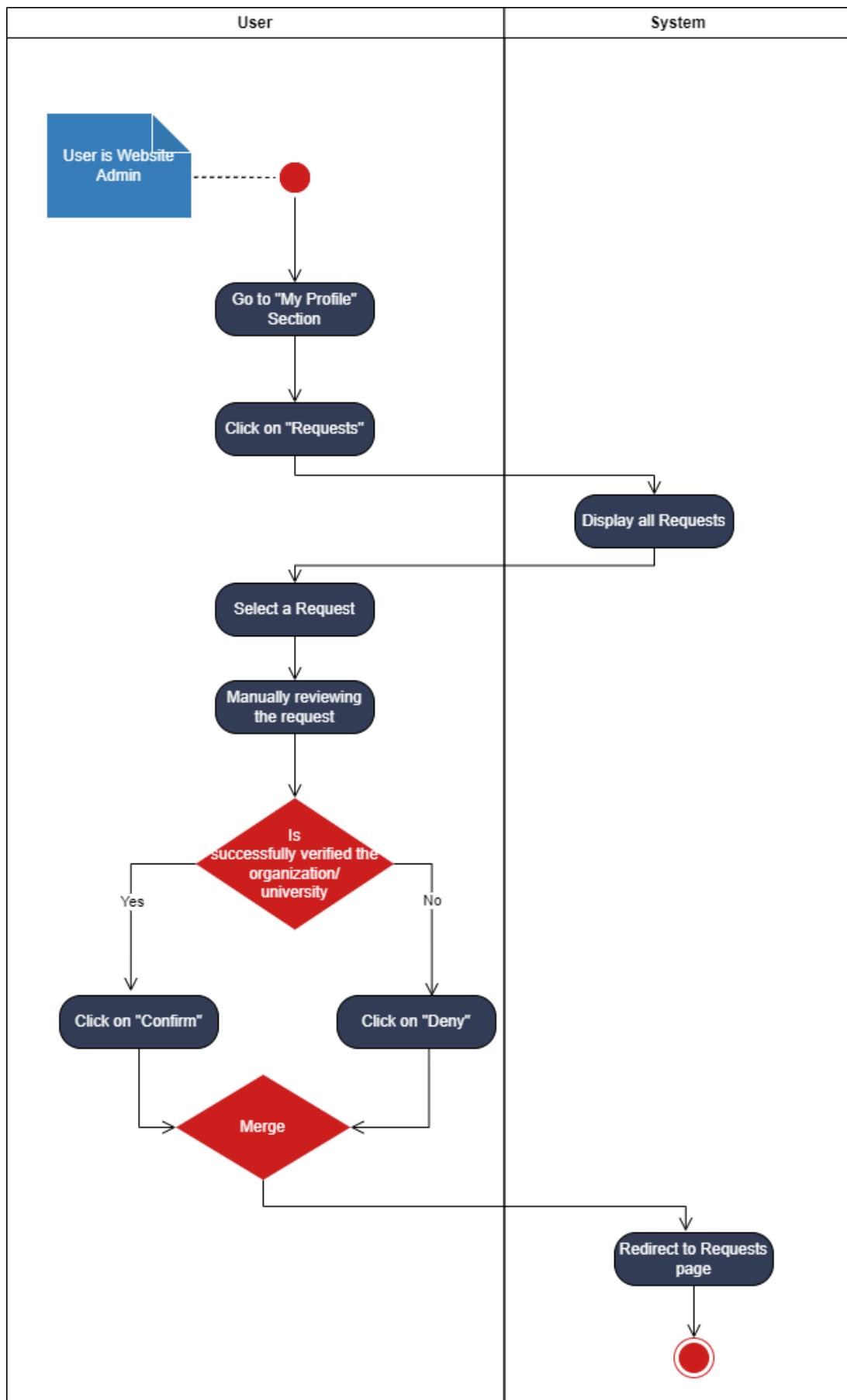
Register

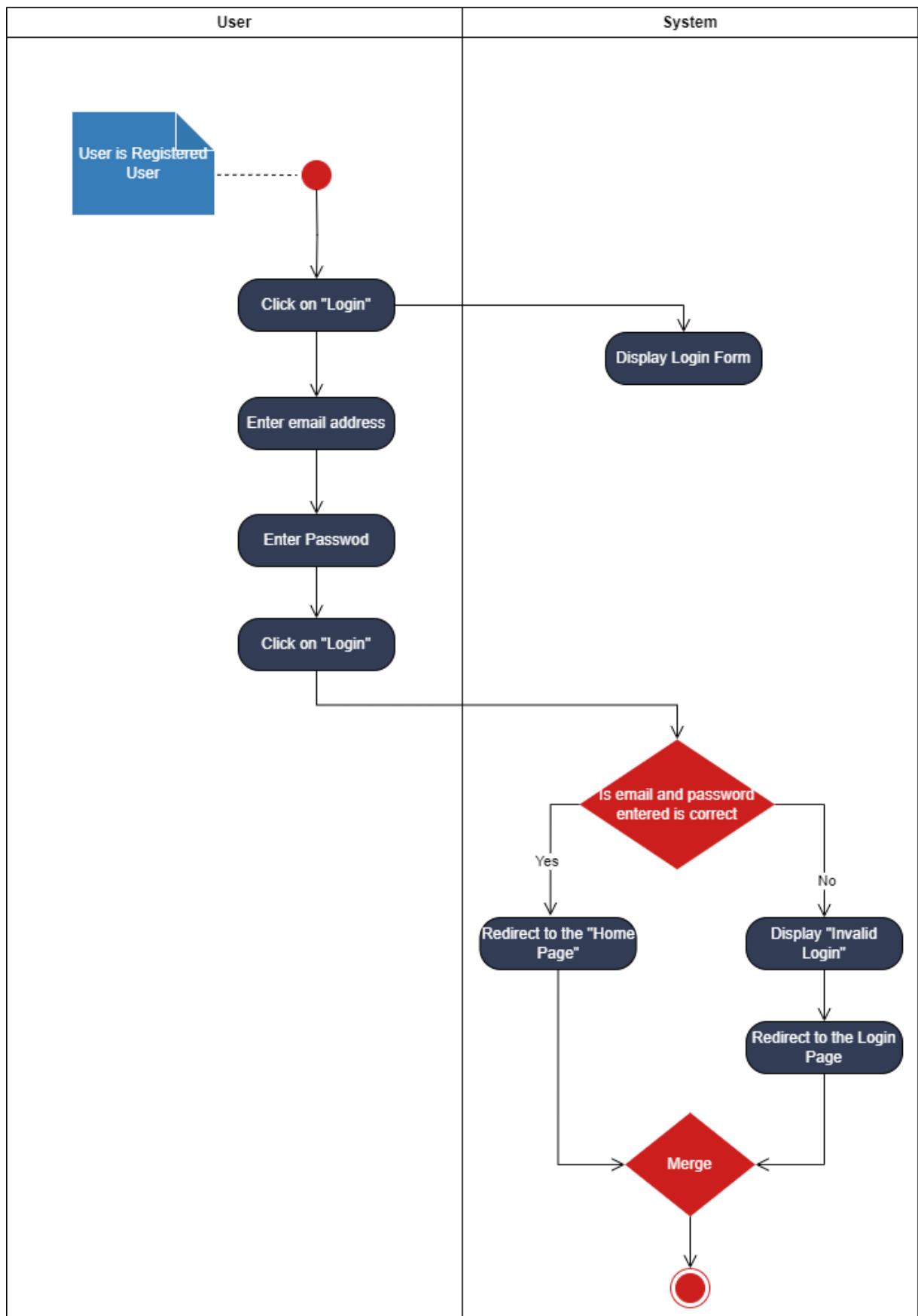


Request for Registration

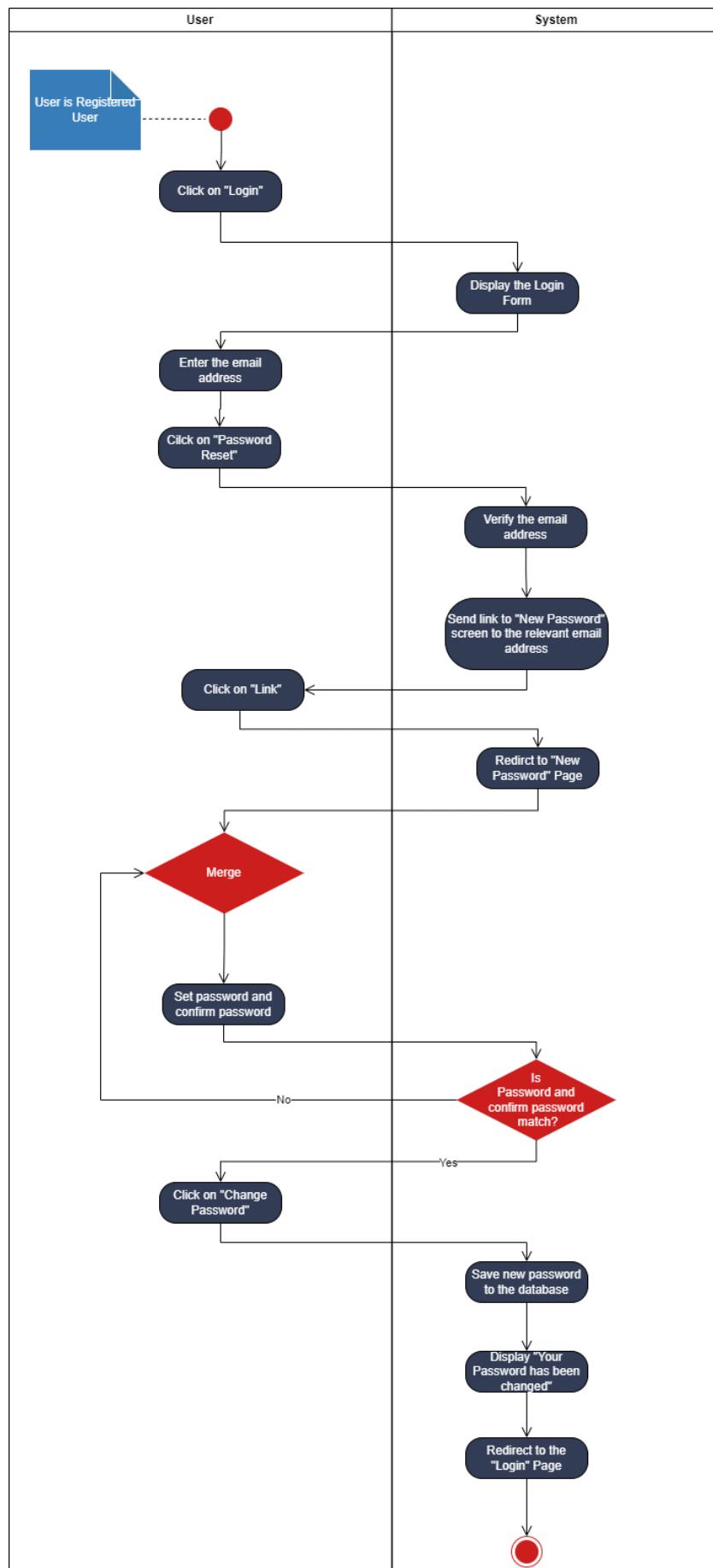


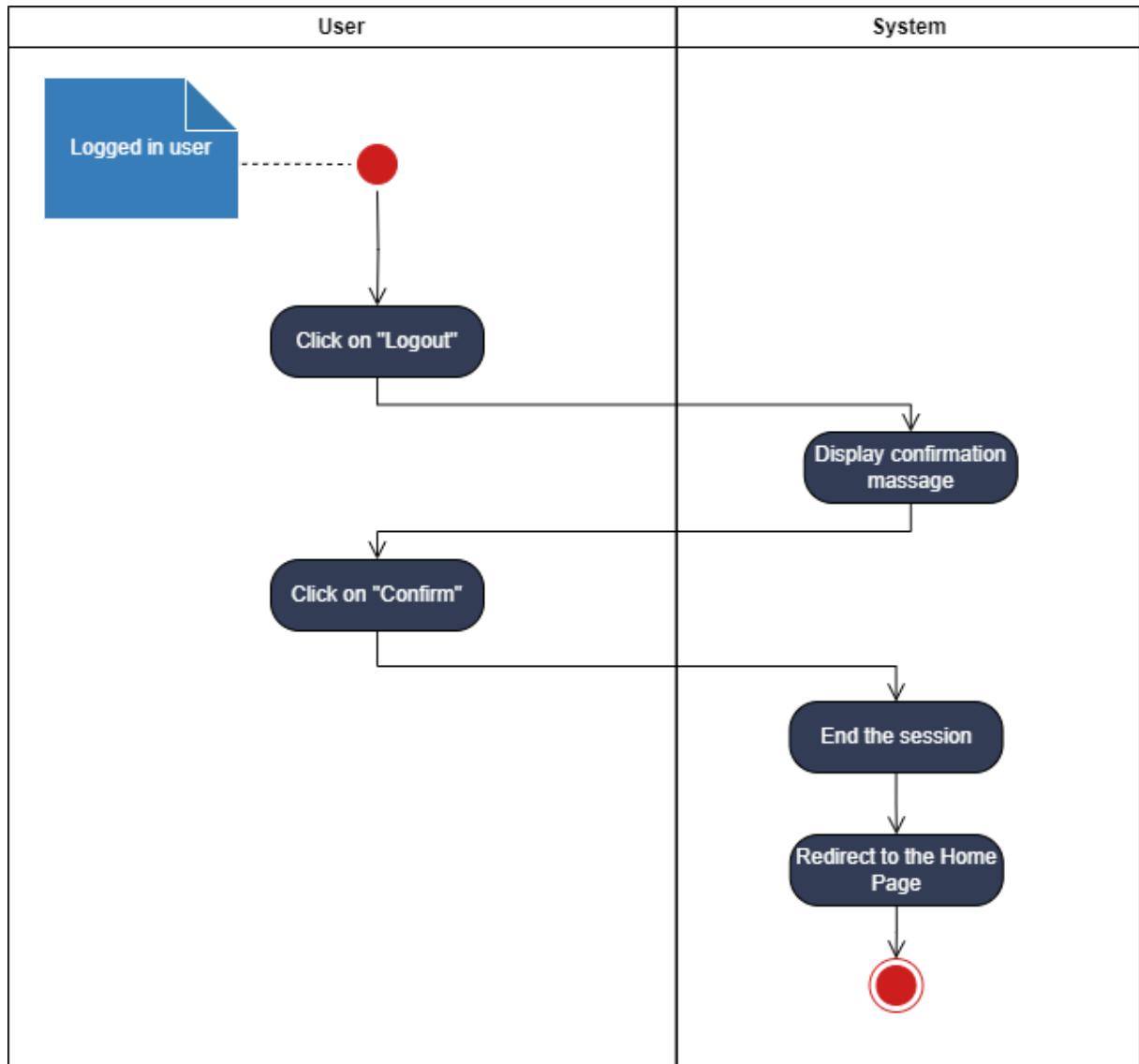
Confirm Registration Request



Login

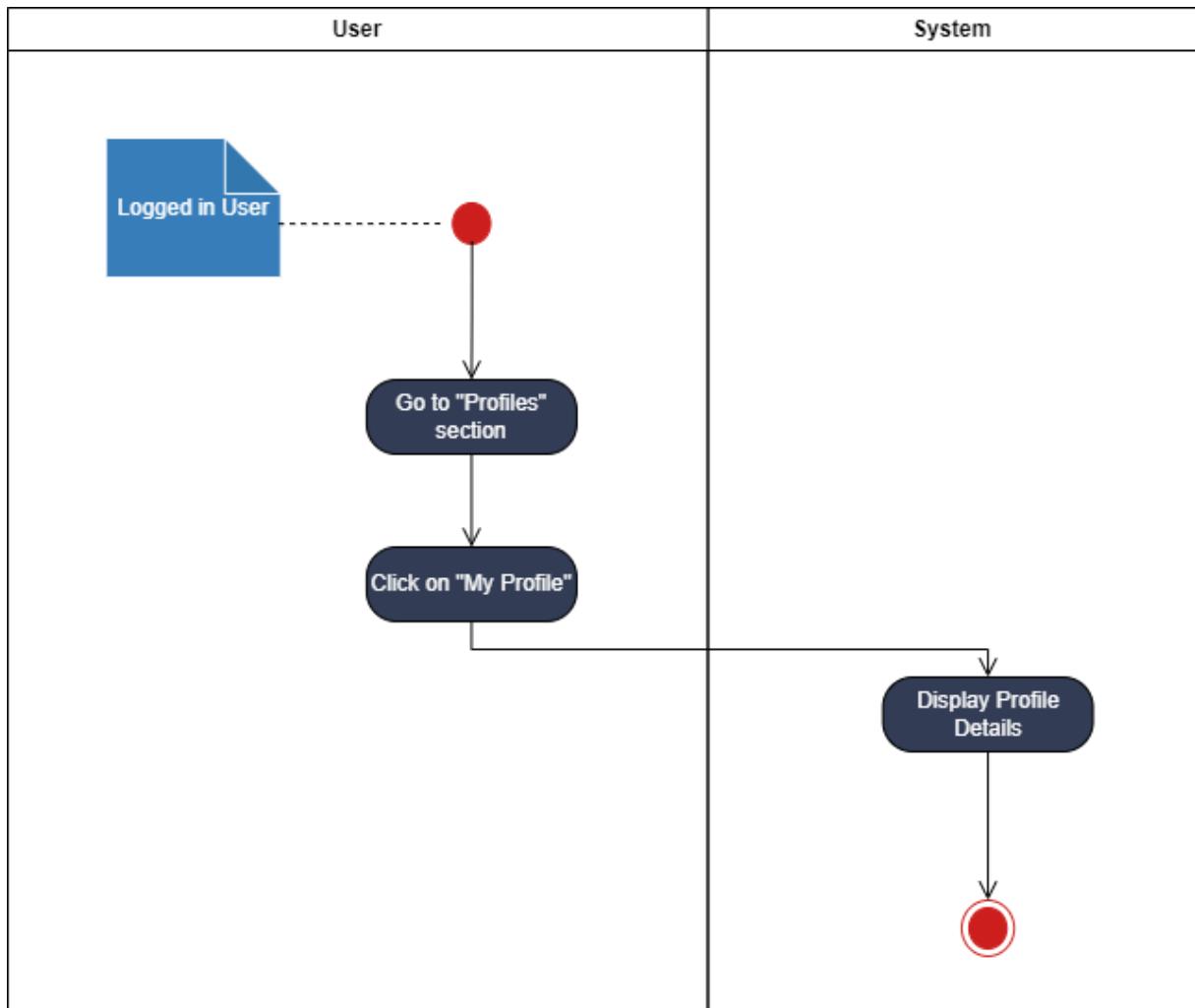
Password Reset

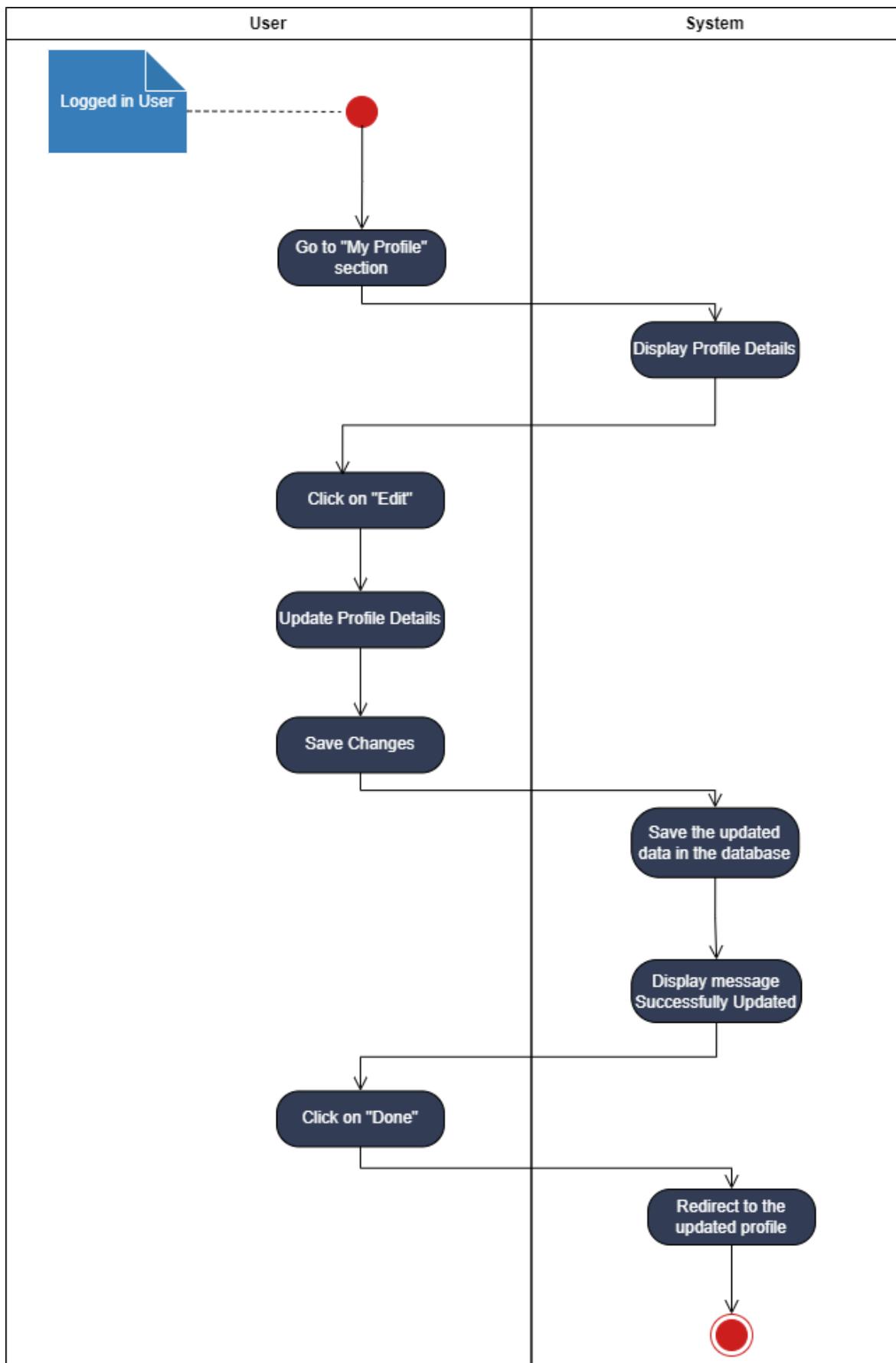


Logout

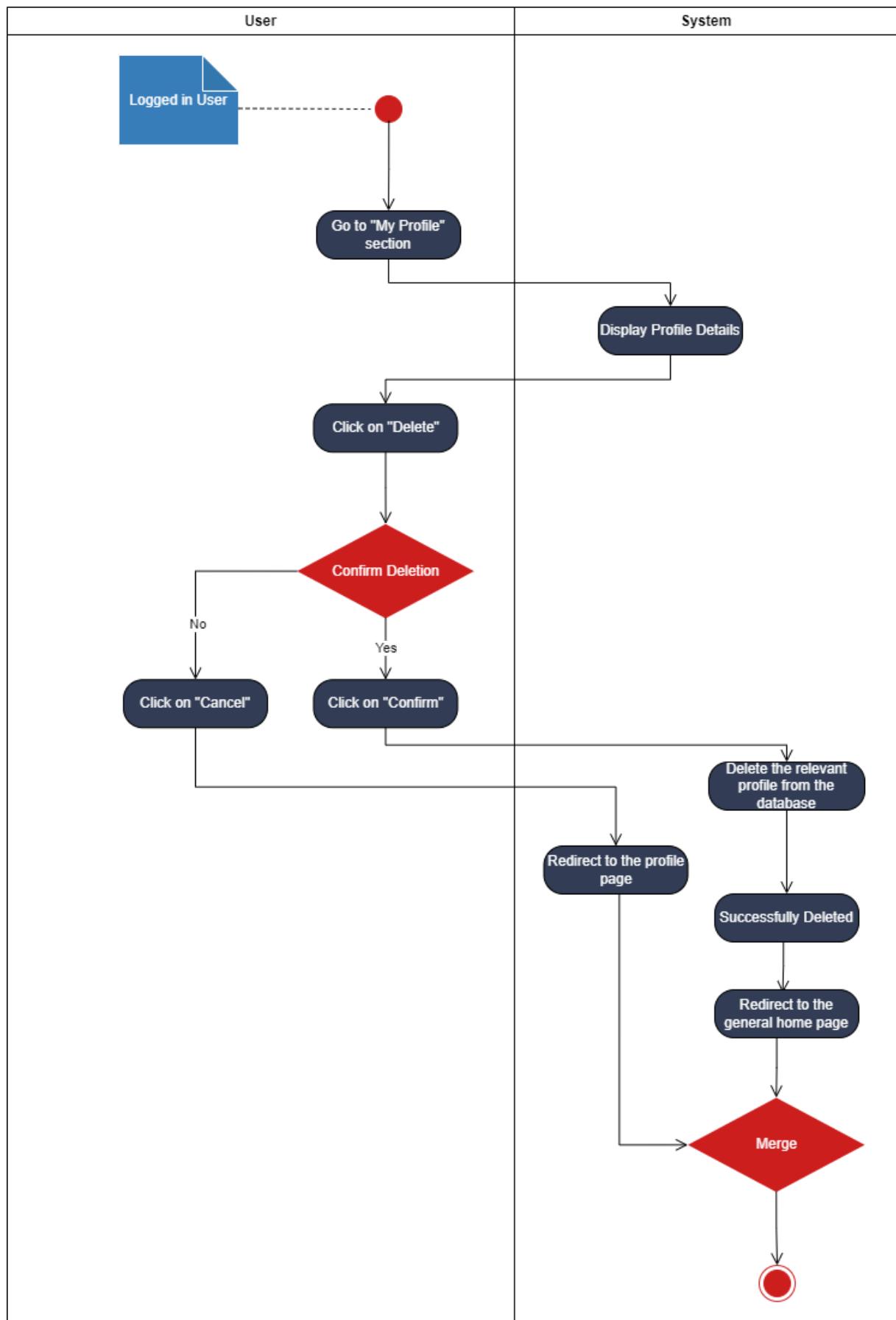
II. User Profiles

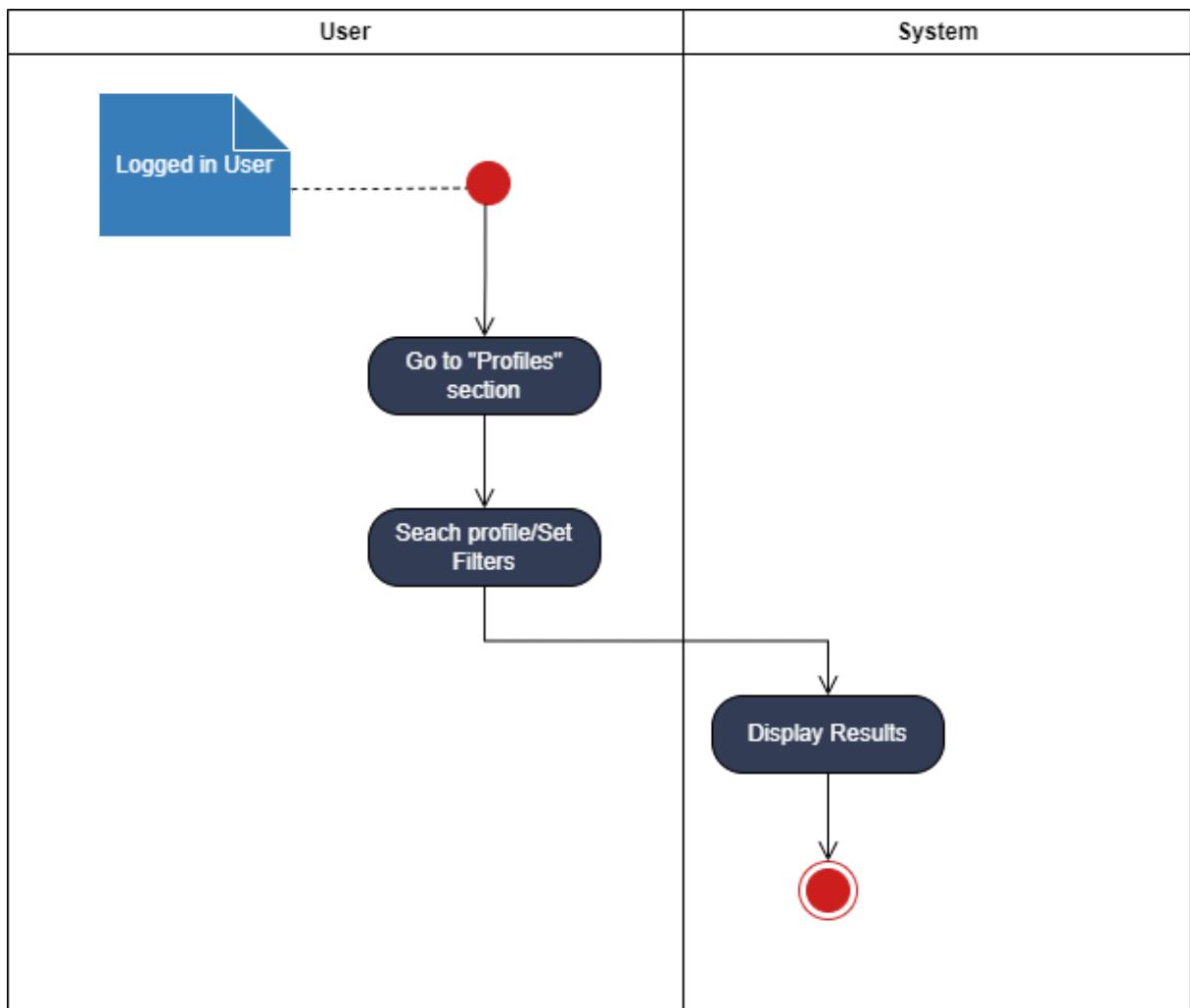
[View Own Profile](#)

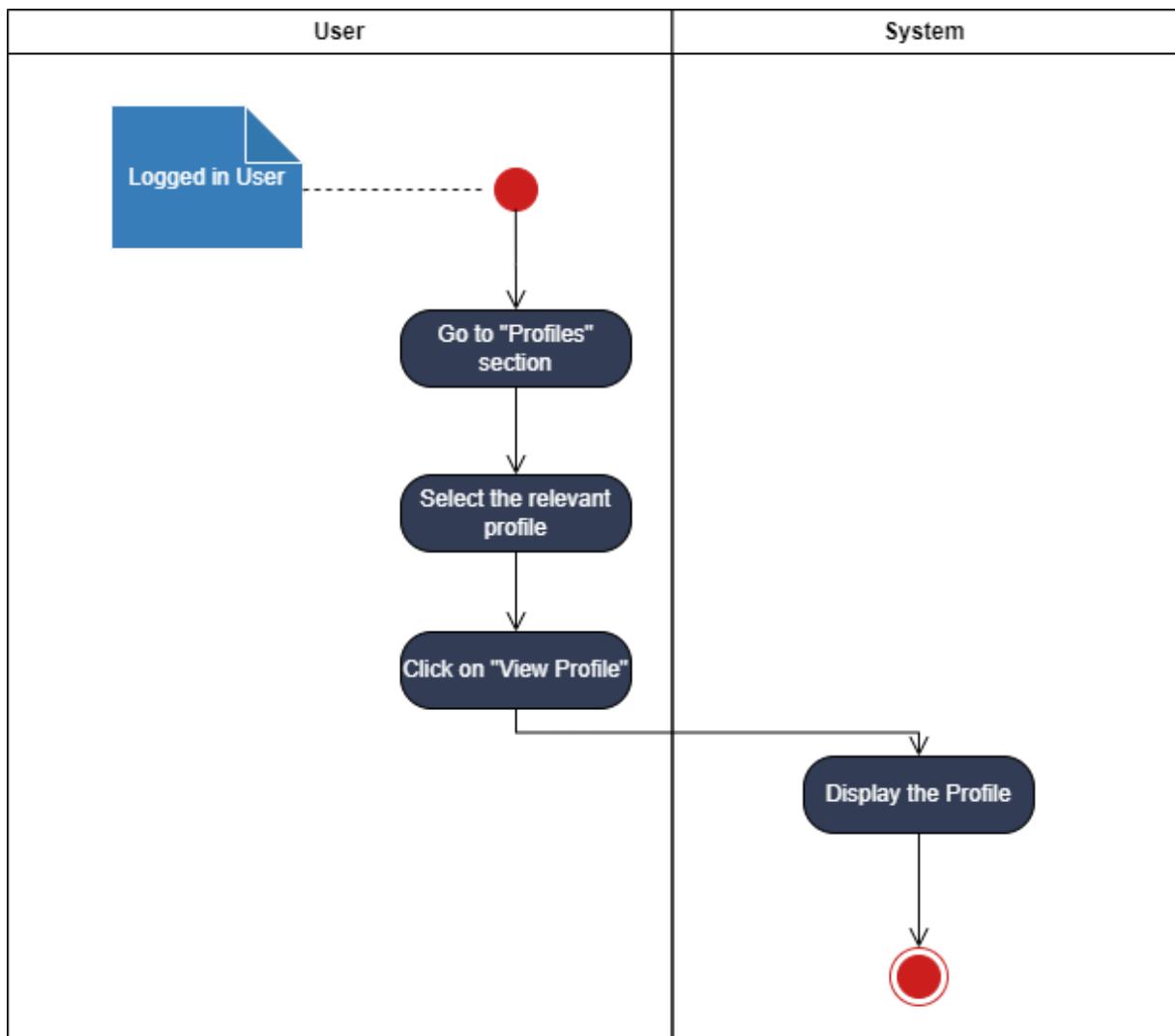


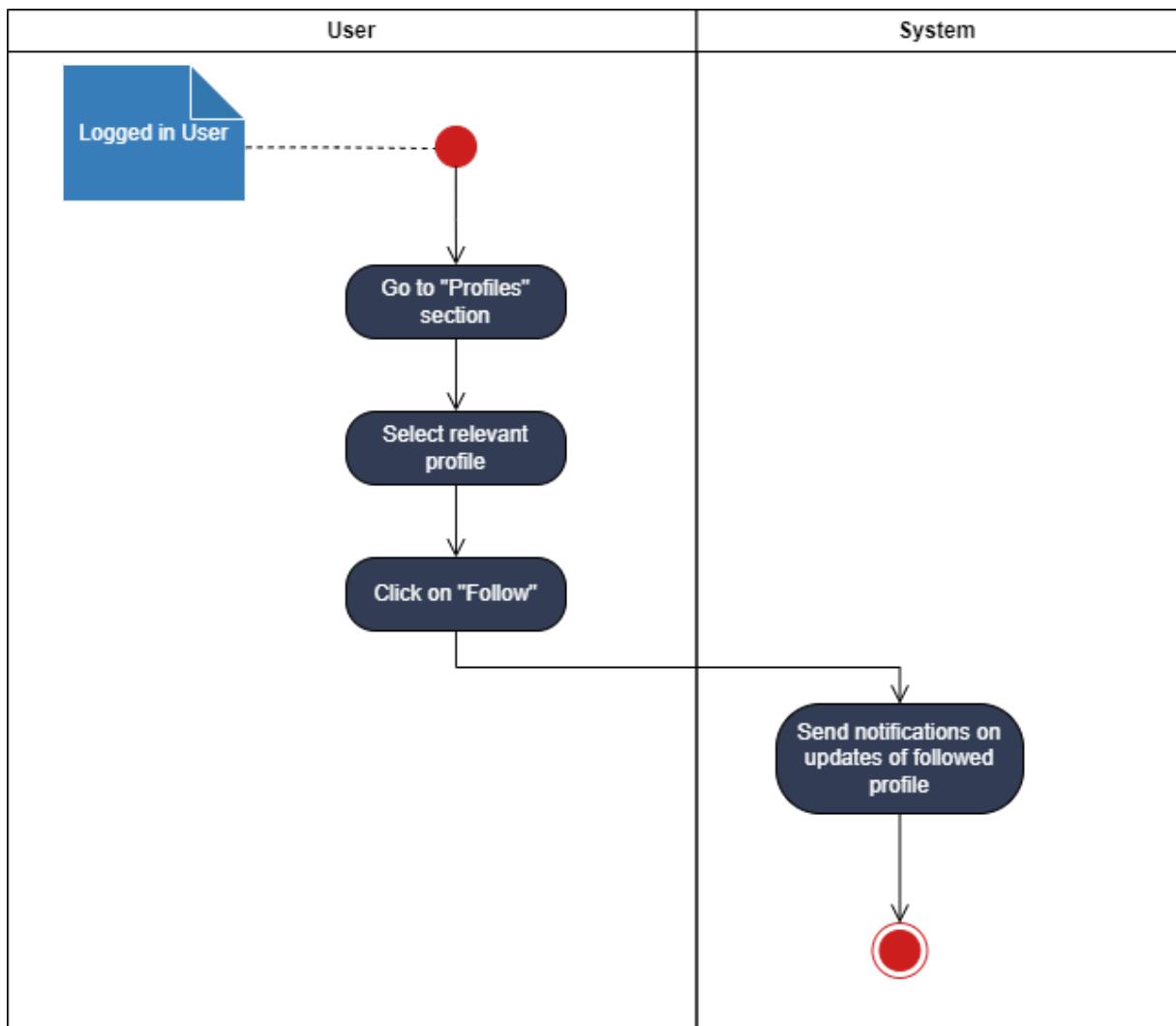
Update Profile

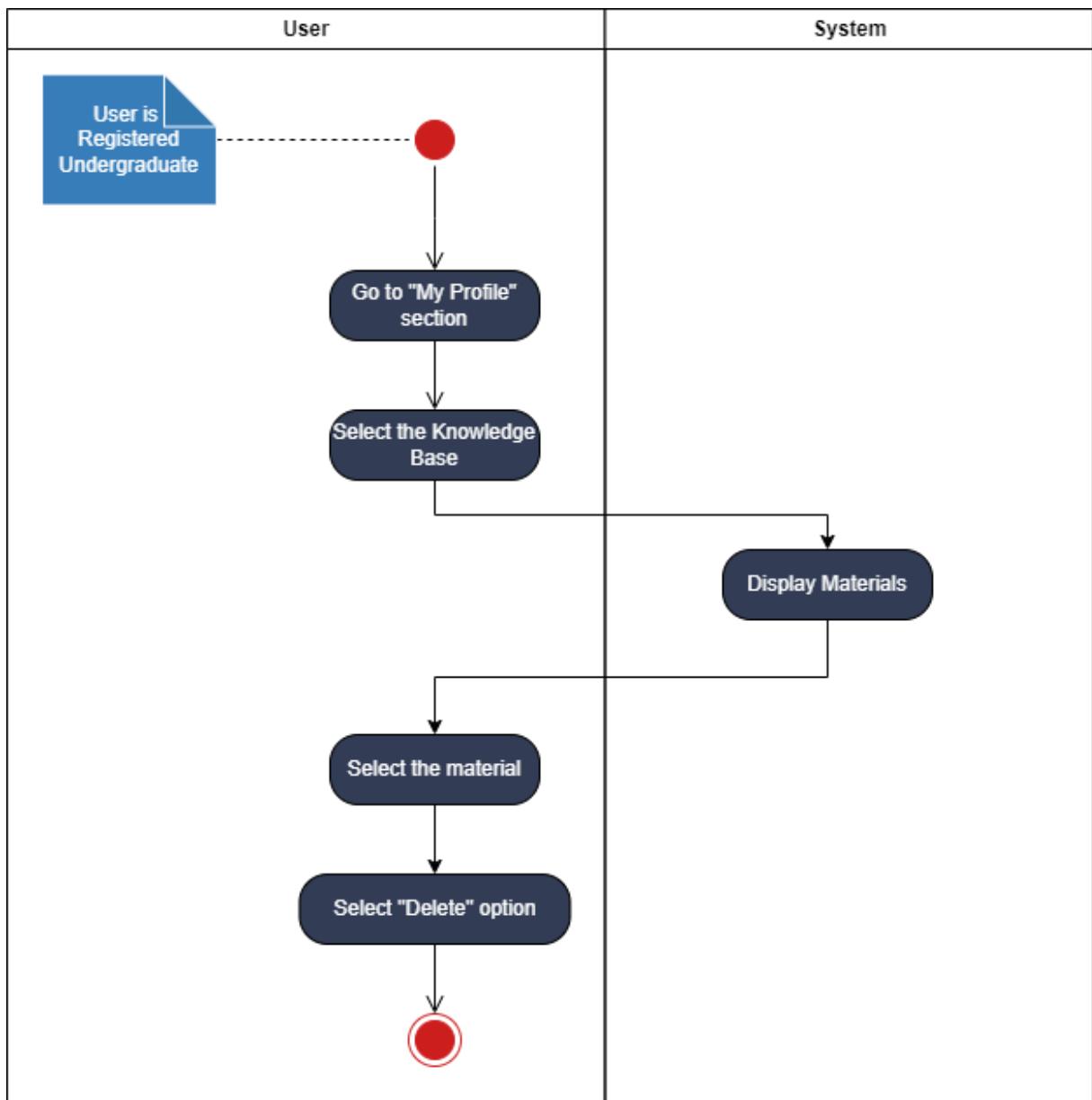
Delete Profile

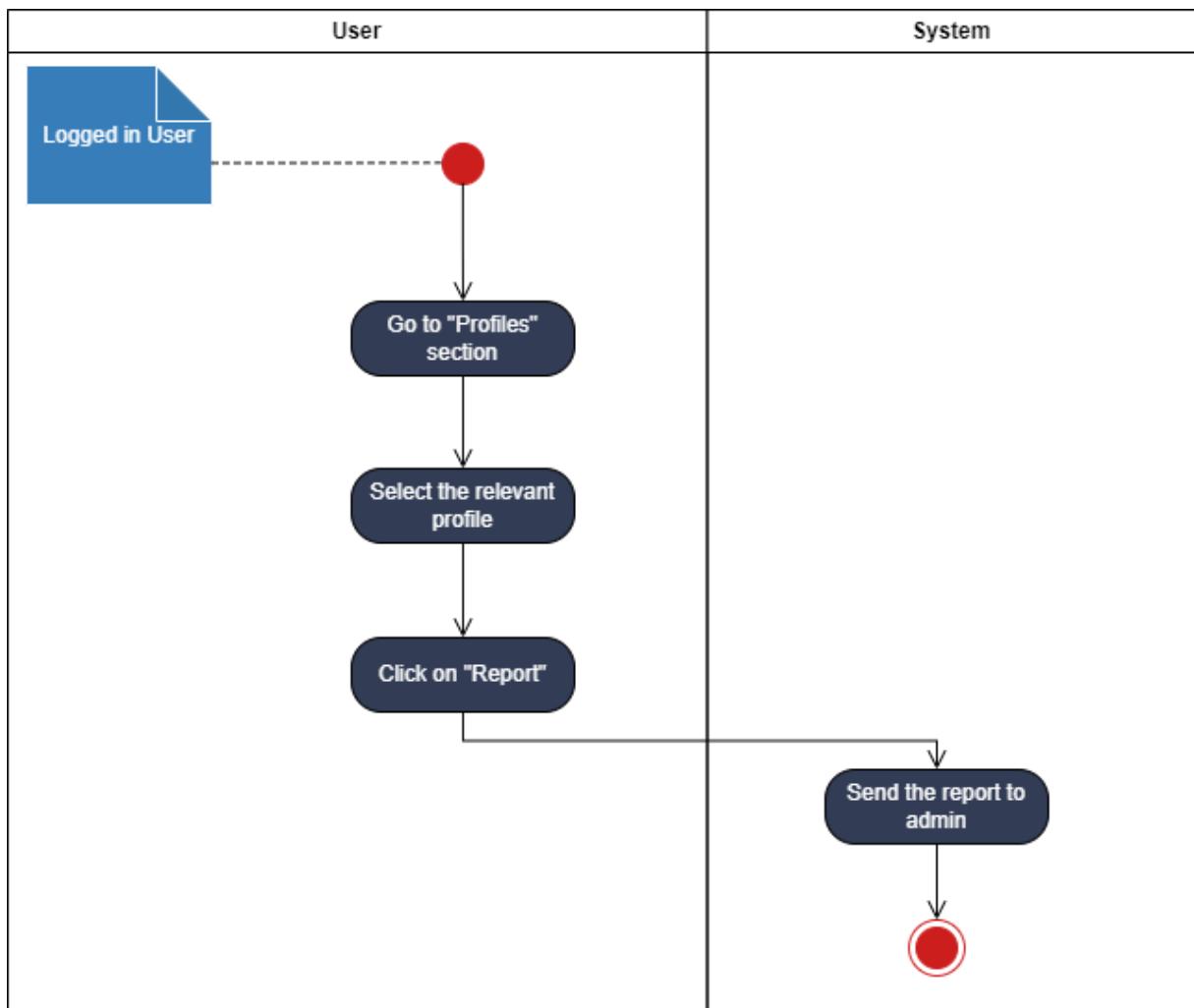


Search/Filter Profiles

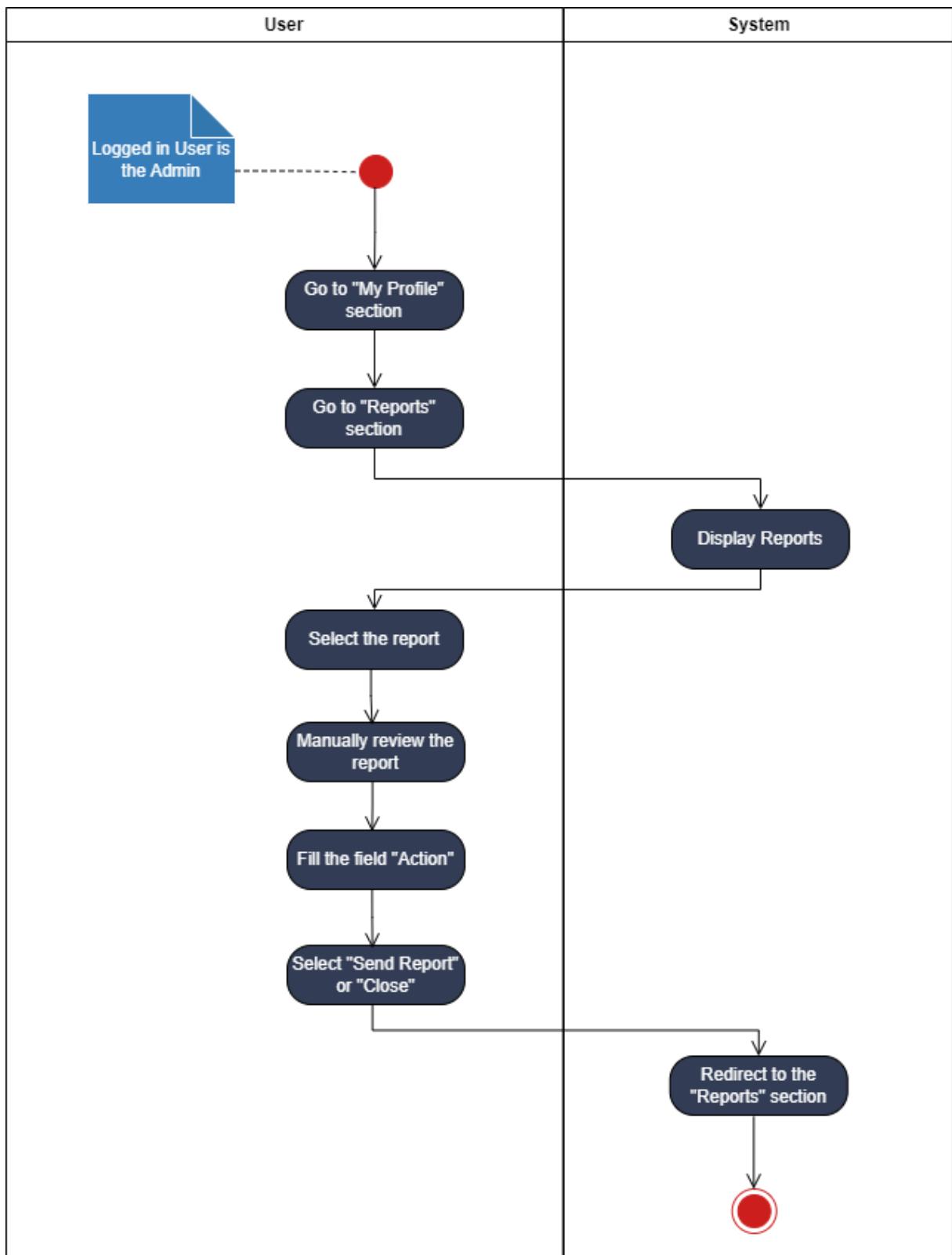
[View Others' Profiles](#)

Follow Profile

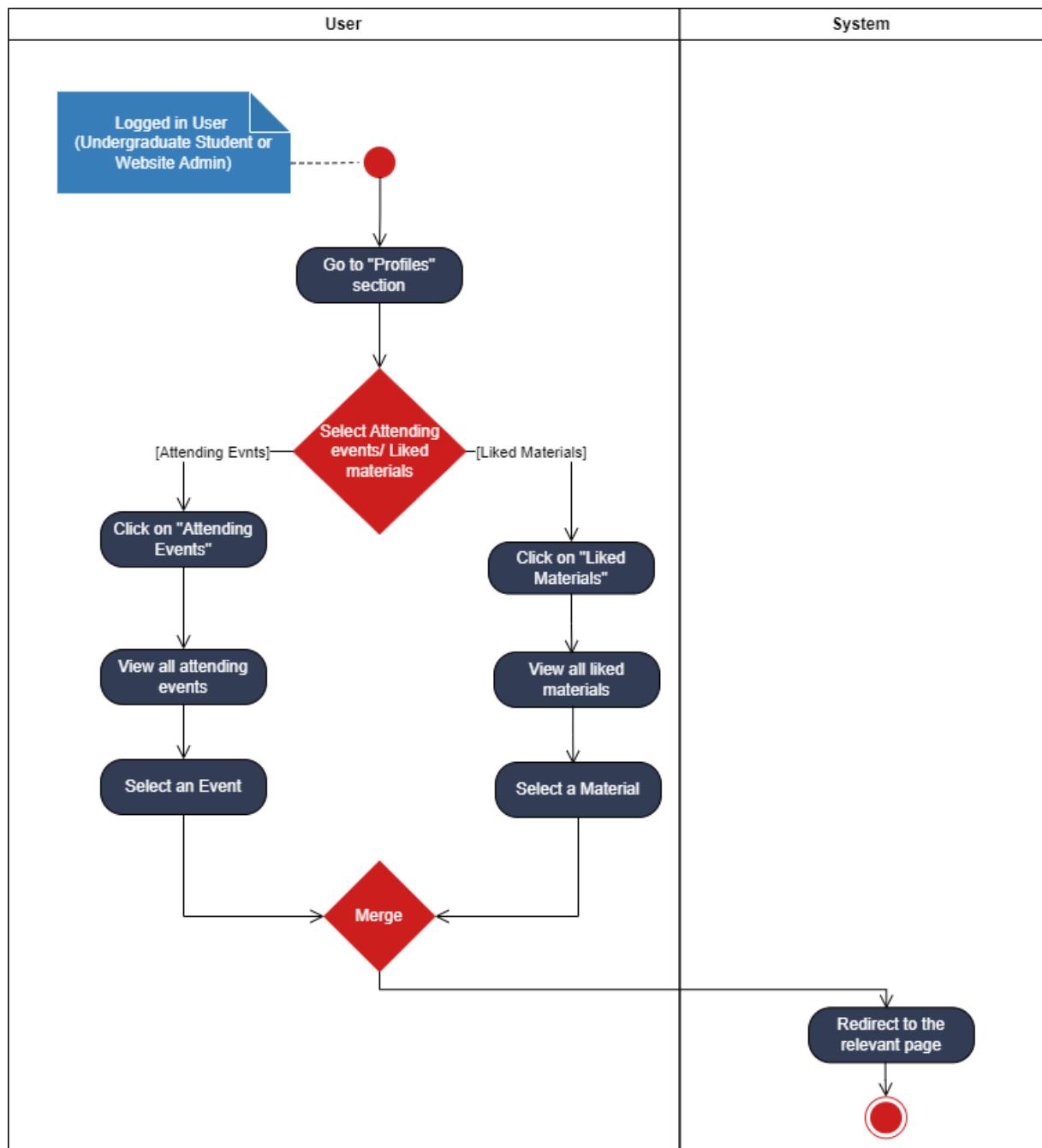
Delete Materials

Report

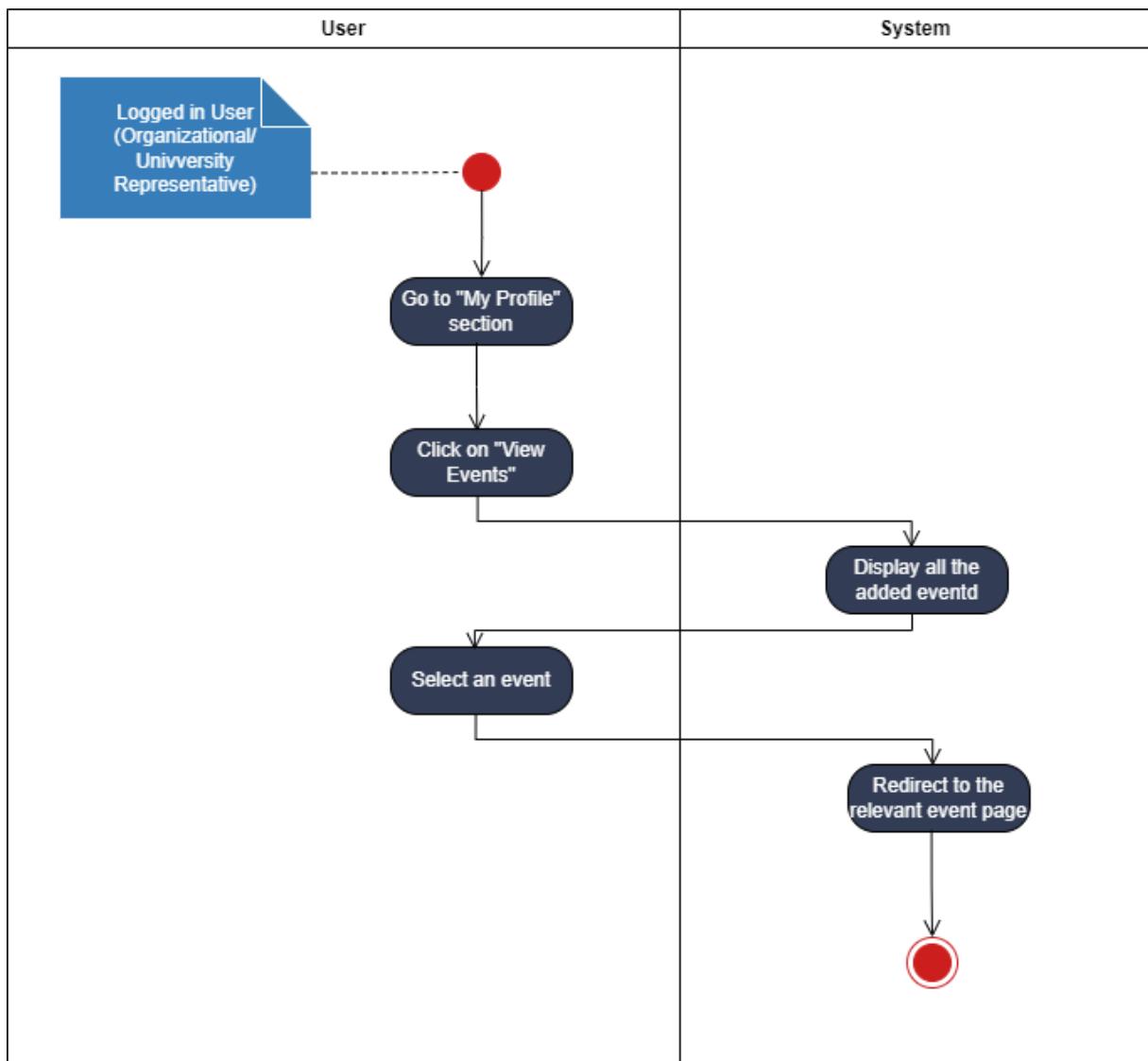
Review Report

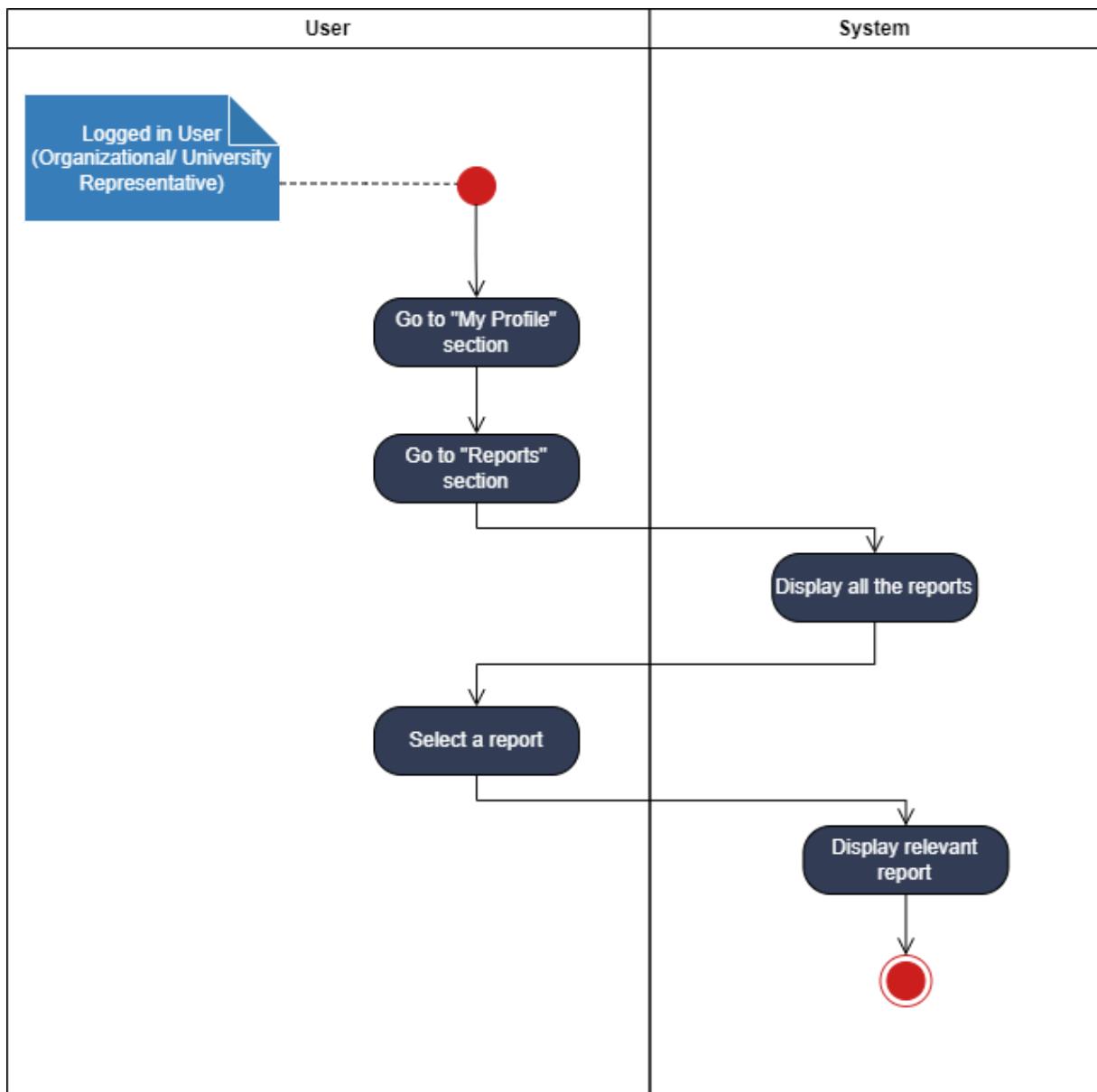


View attending events/ View liked materials

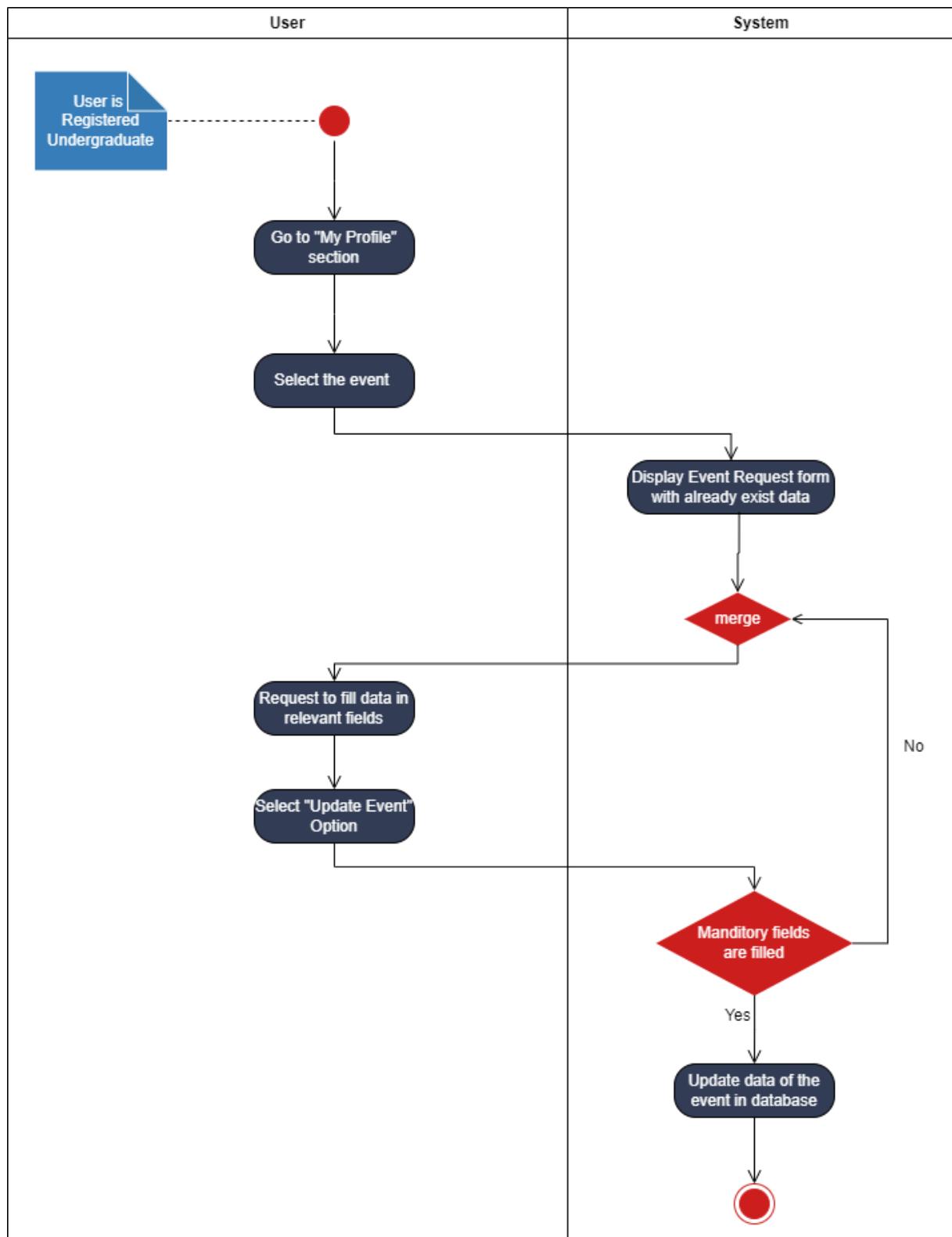


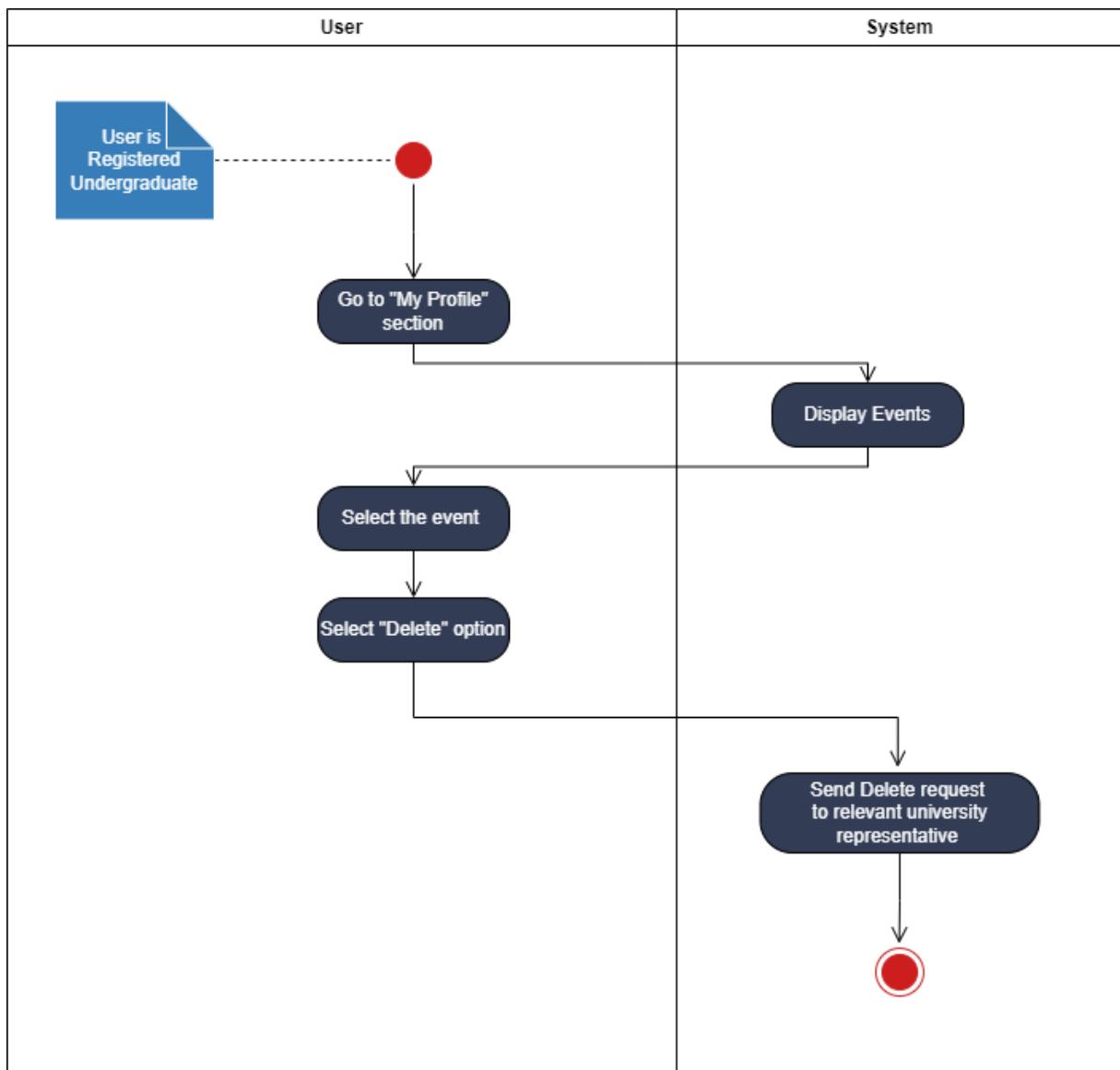
View organizational/university Events

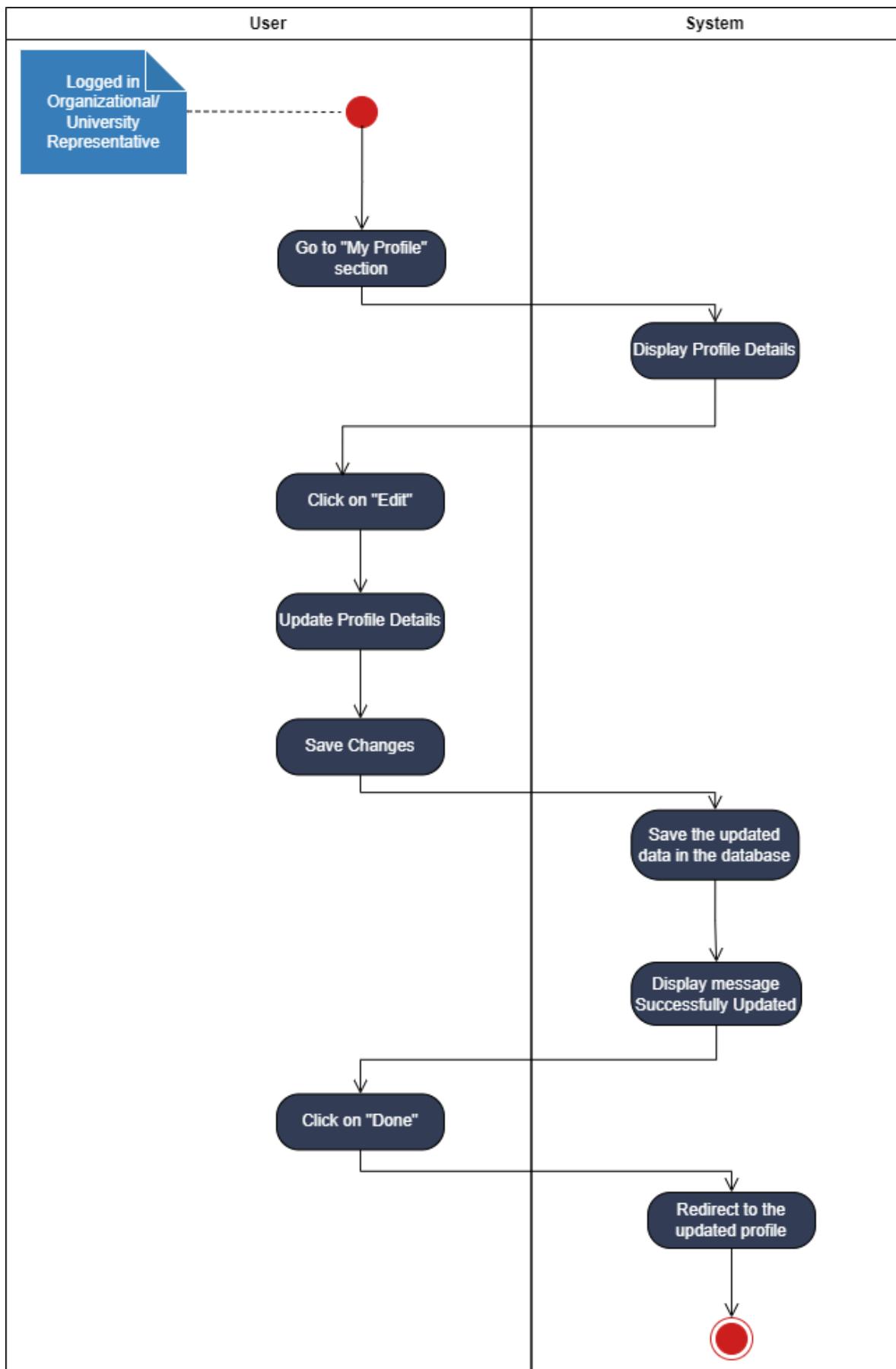


Show Reports

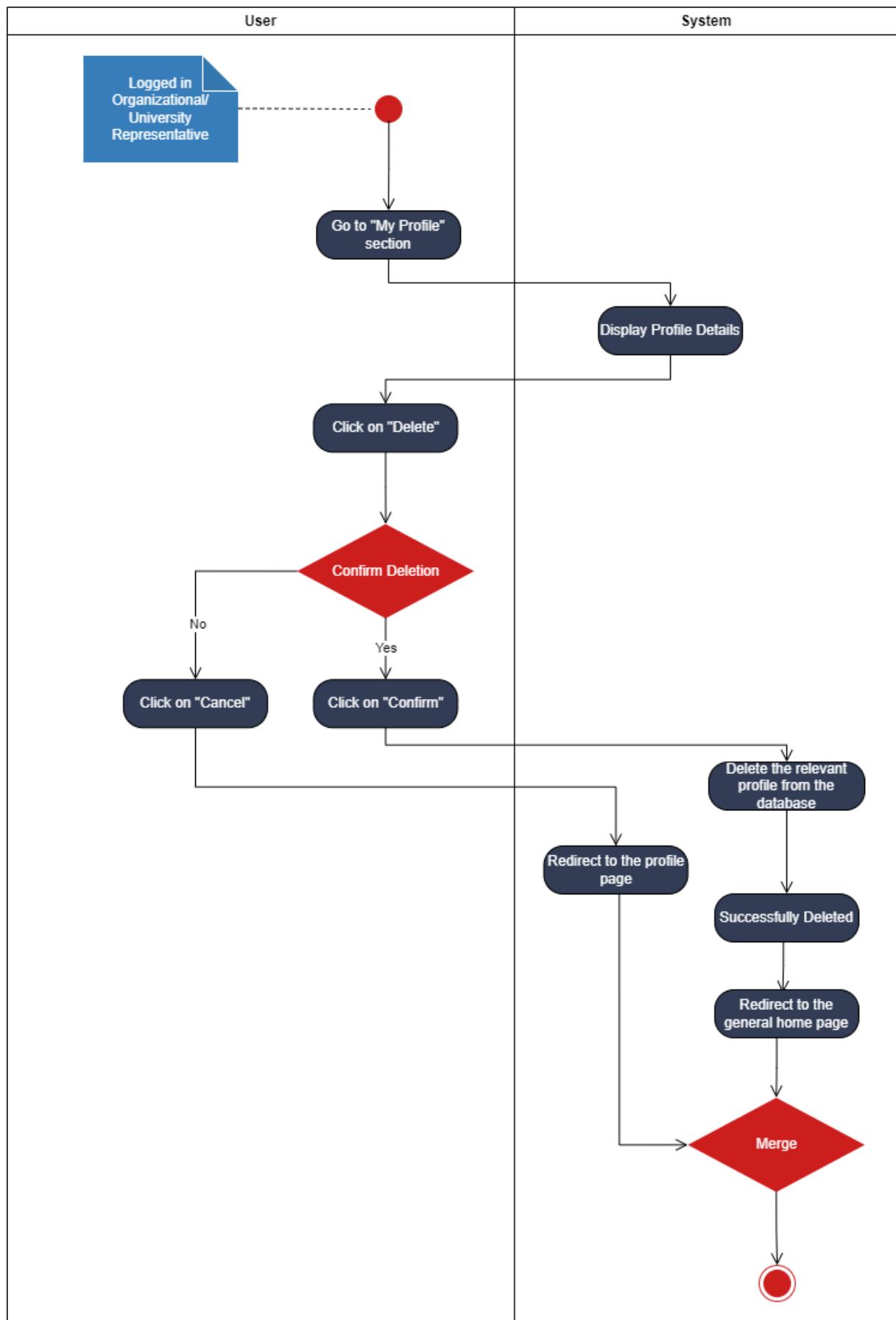
Request to update an event

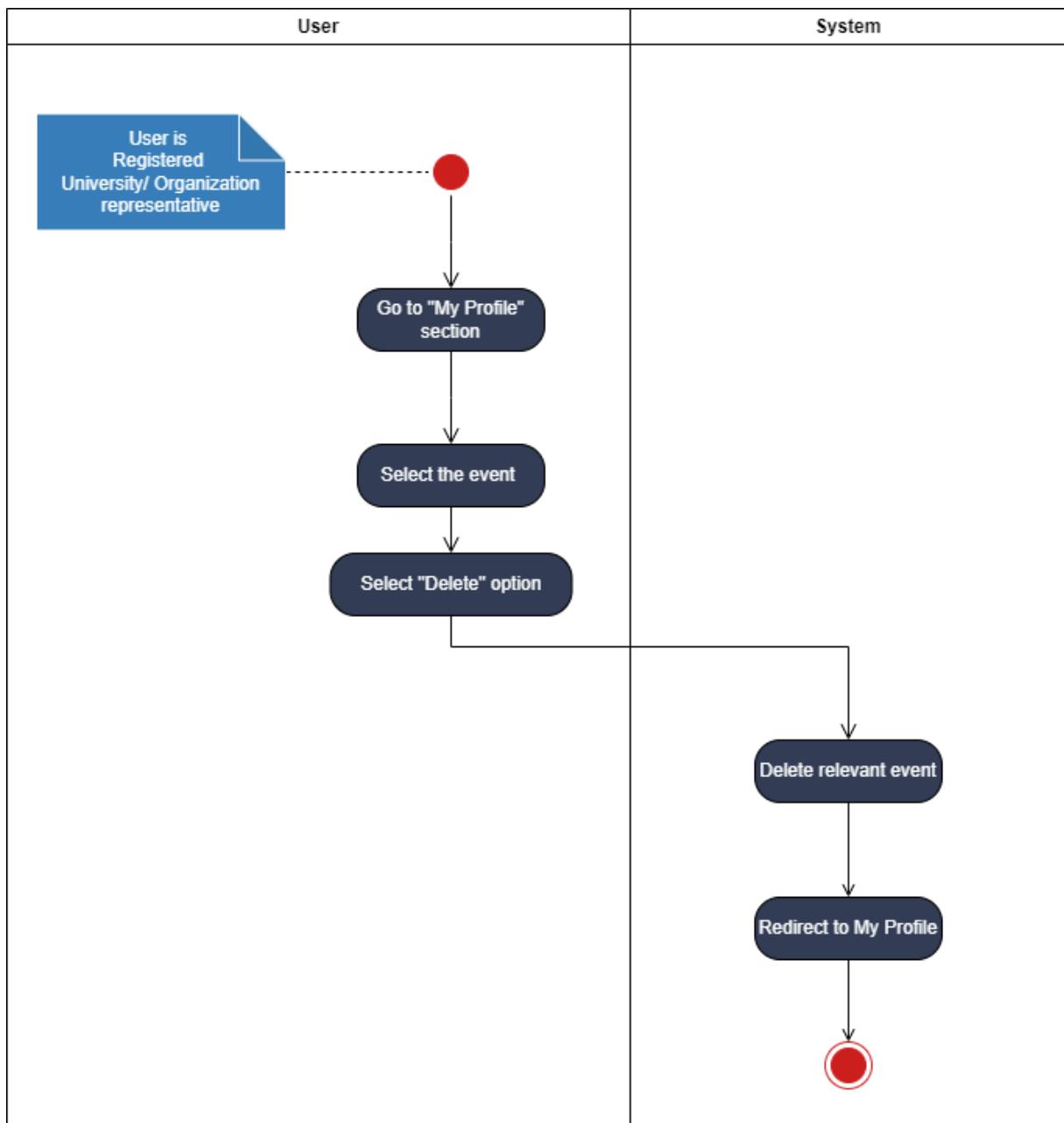


Request to delete event

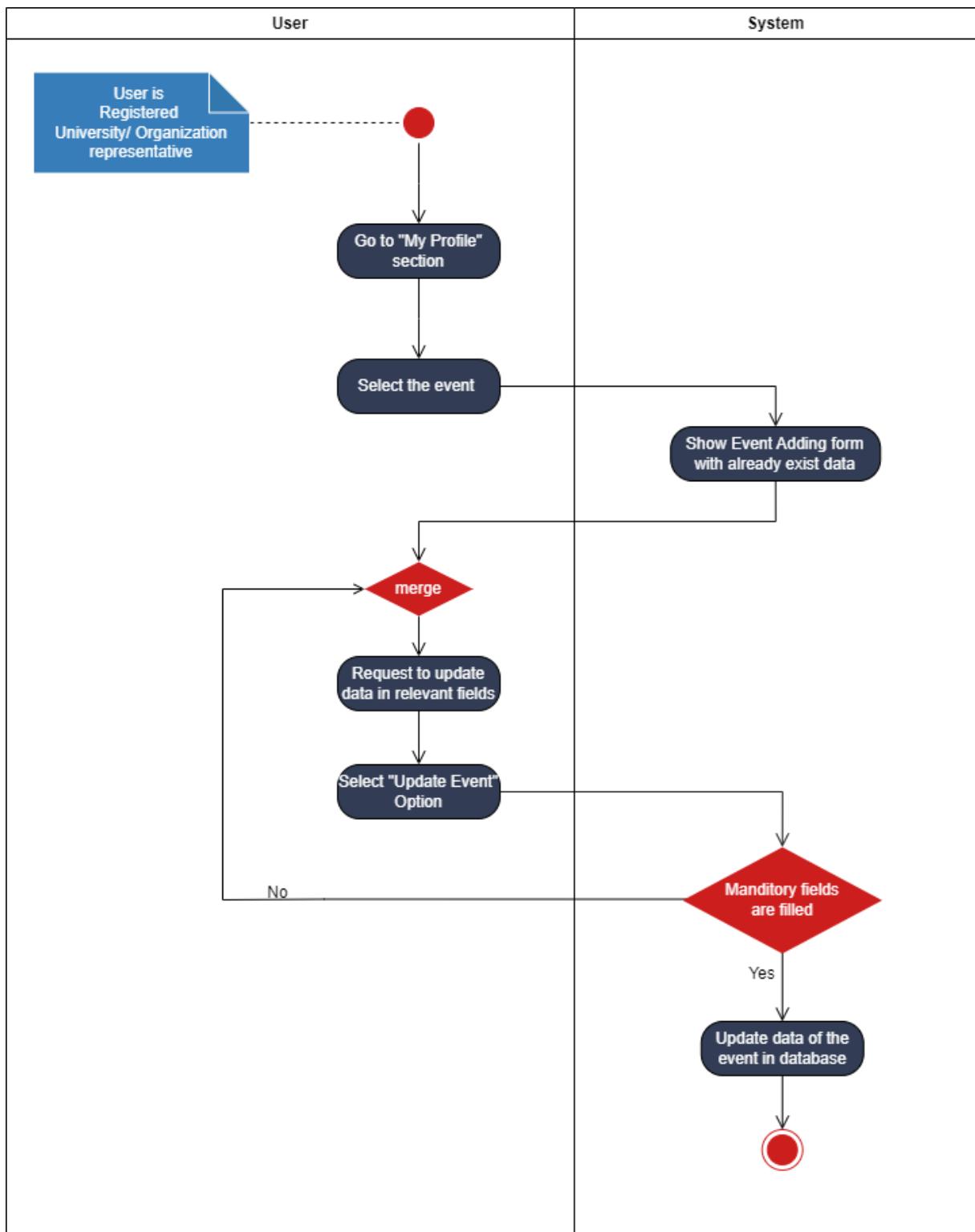
Update Organization

Delete Organization



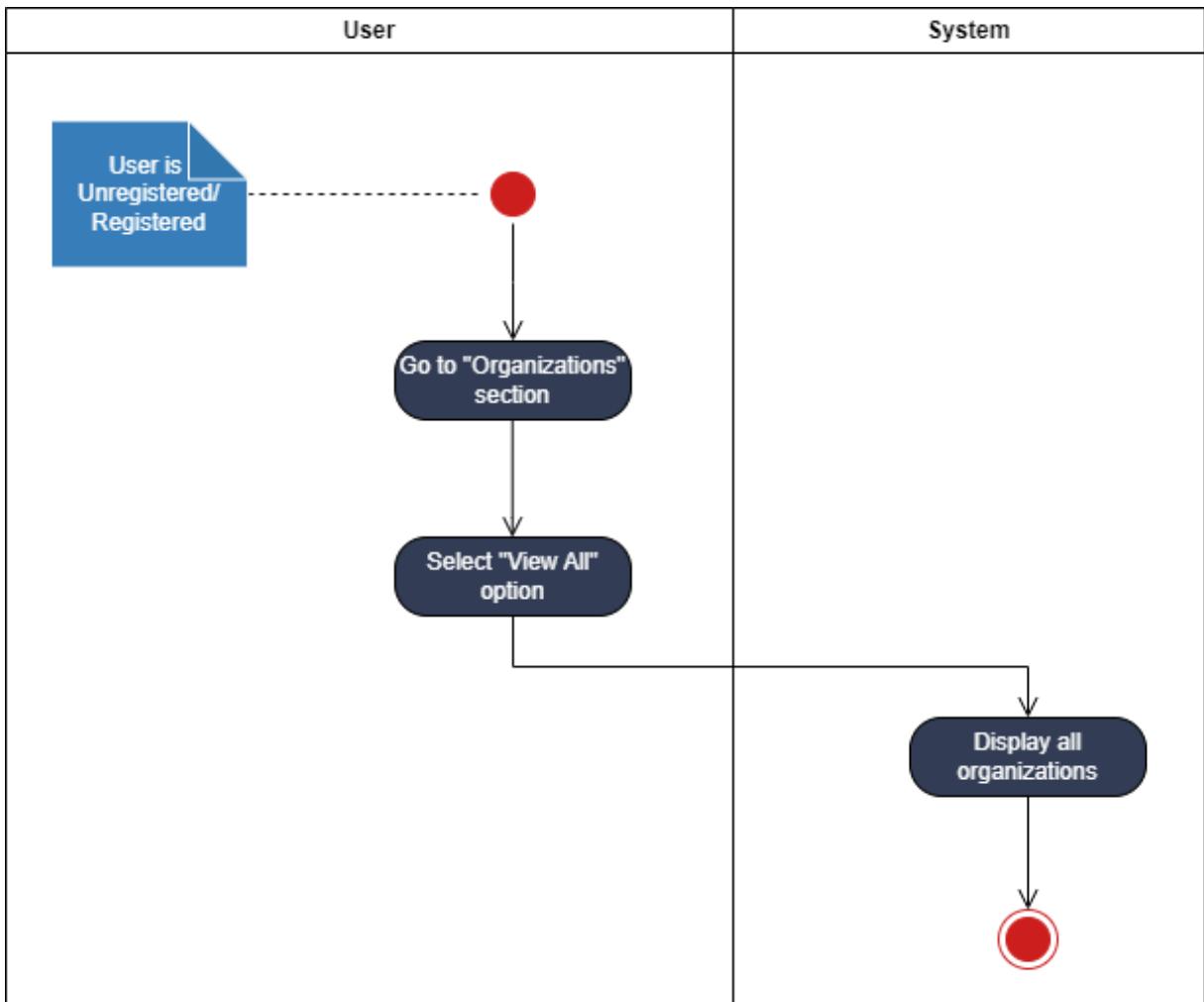
Delete Event

Update Event

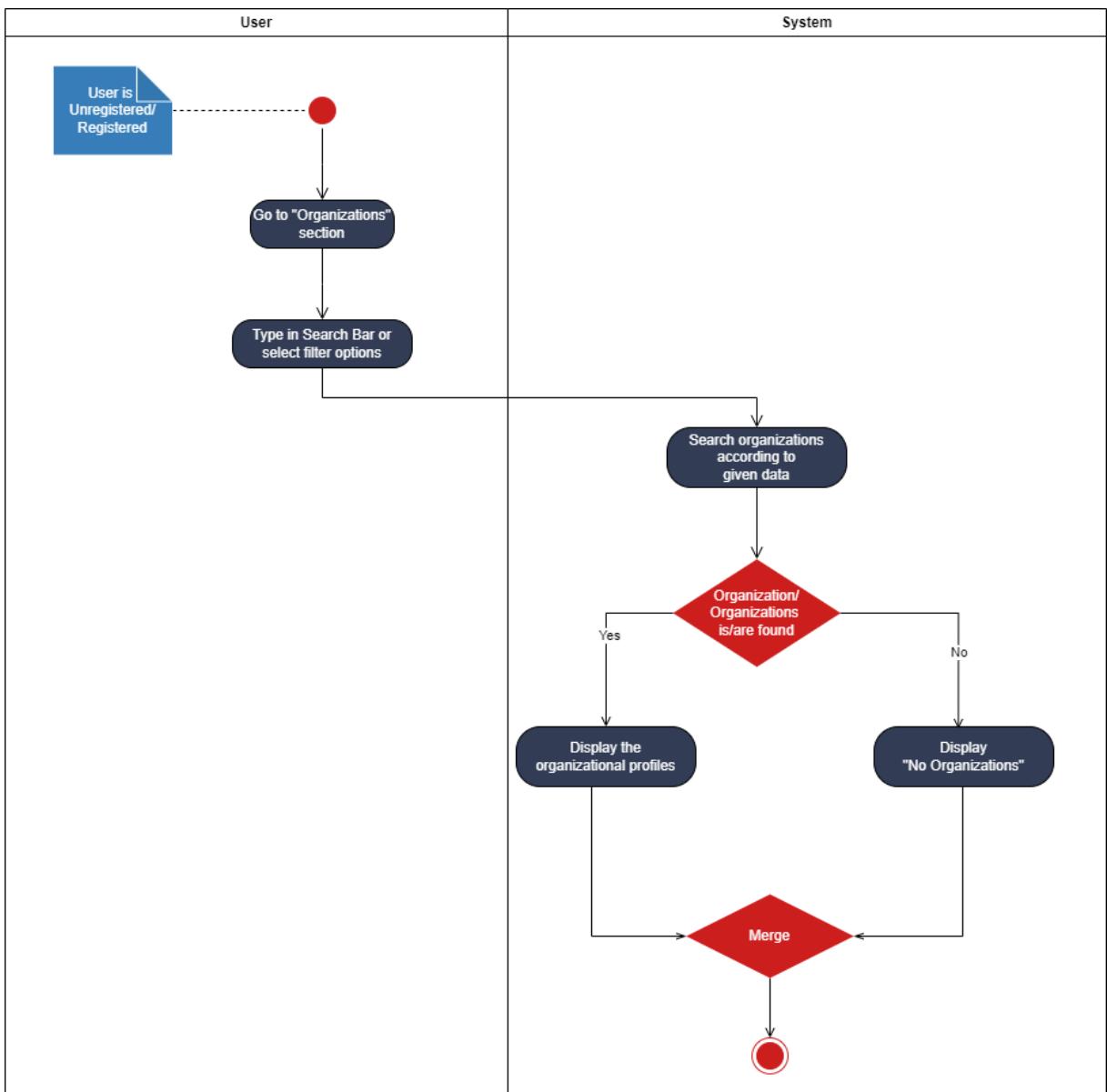


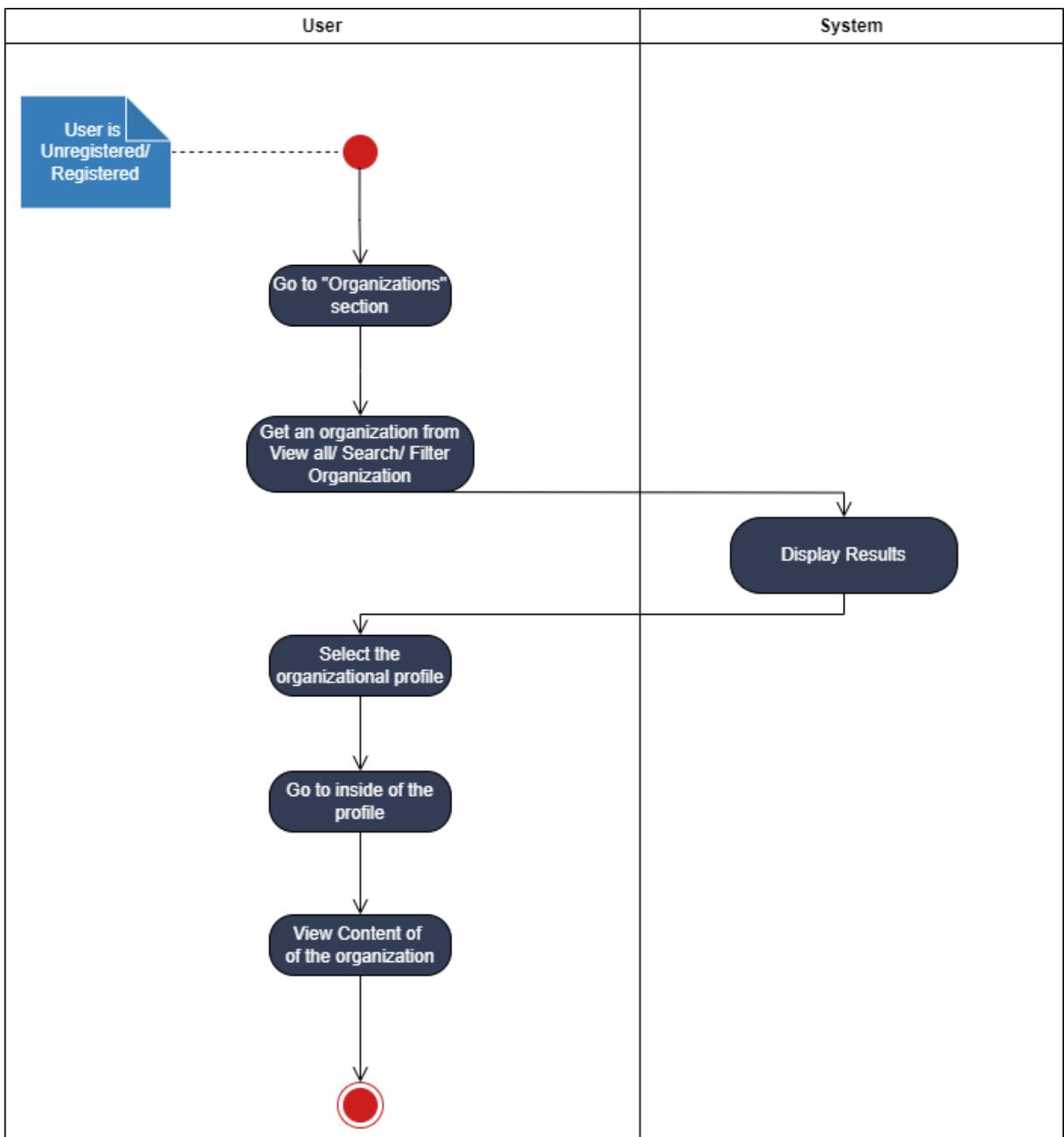
III. Organizations

[View All Organizations](#)

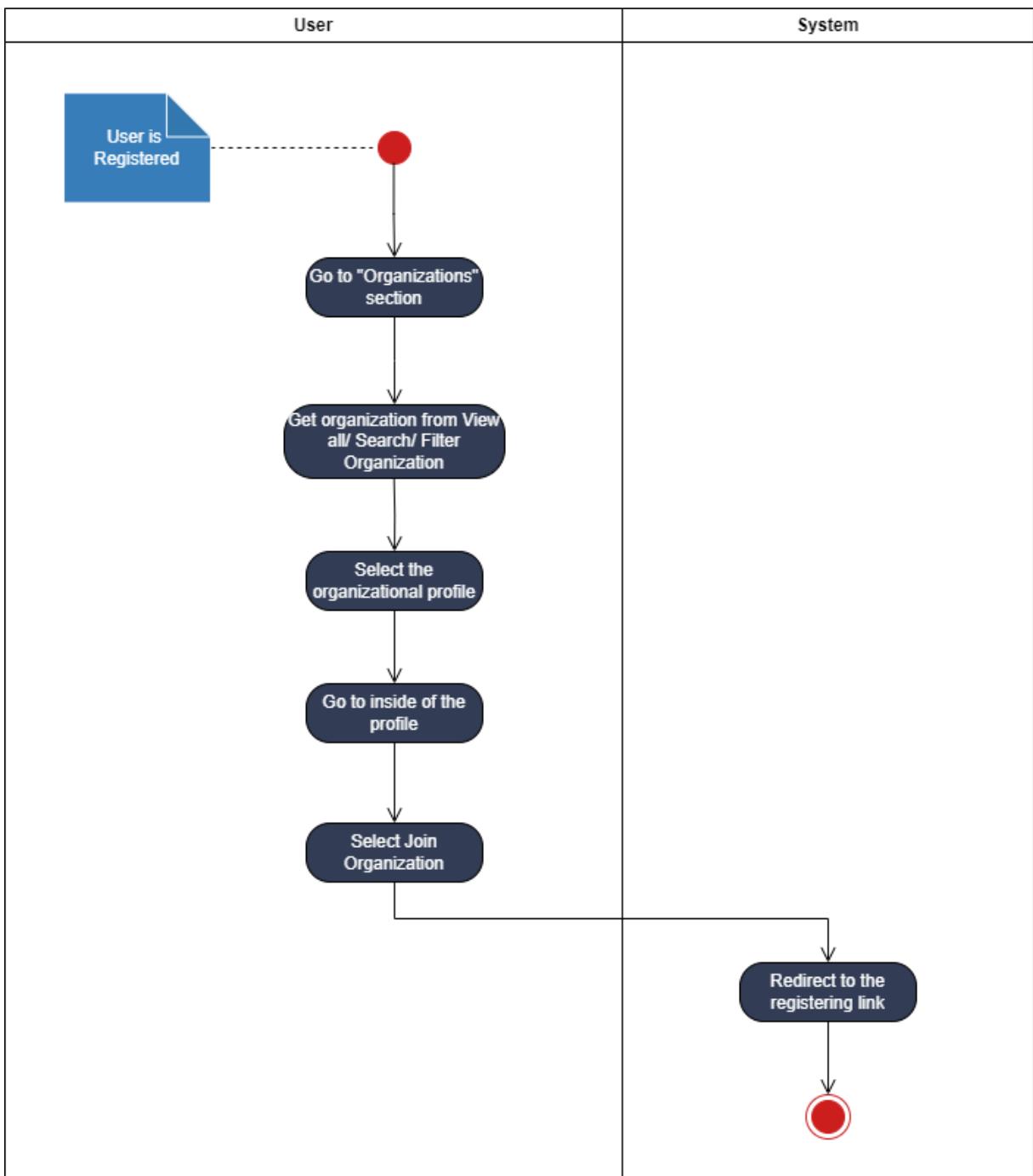


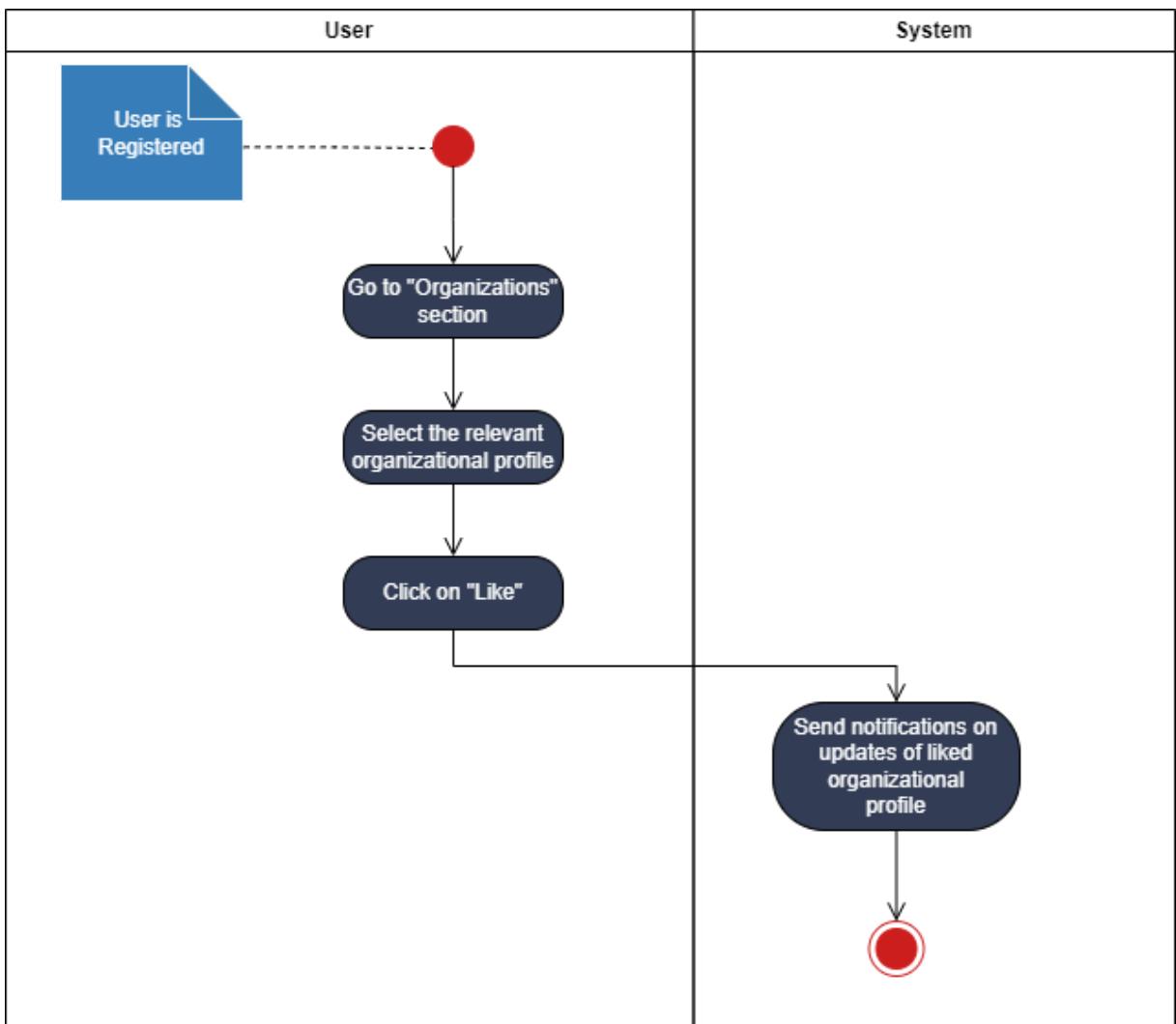
Search or Filter Organizations

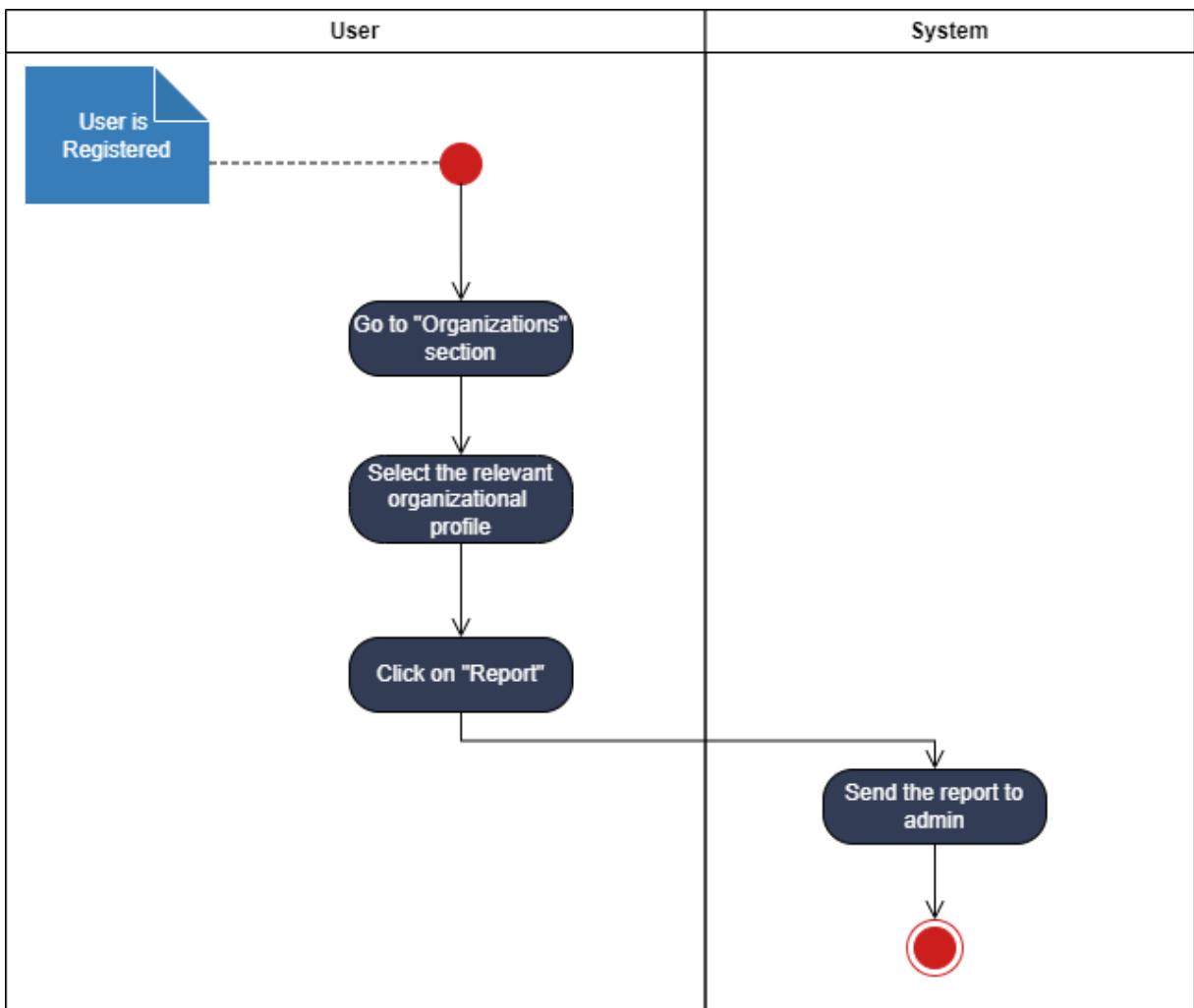


[View Specific Organization](#)

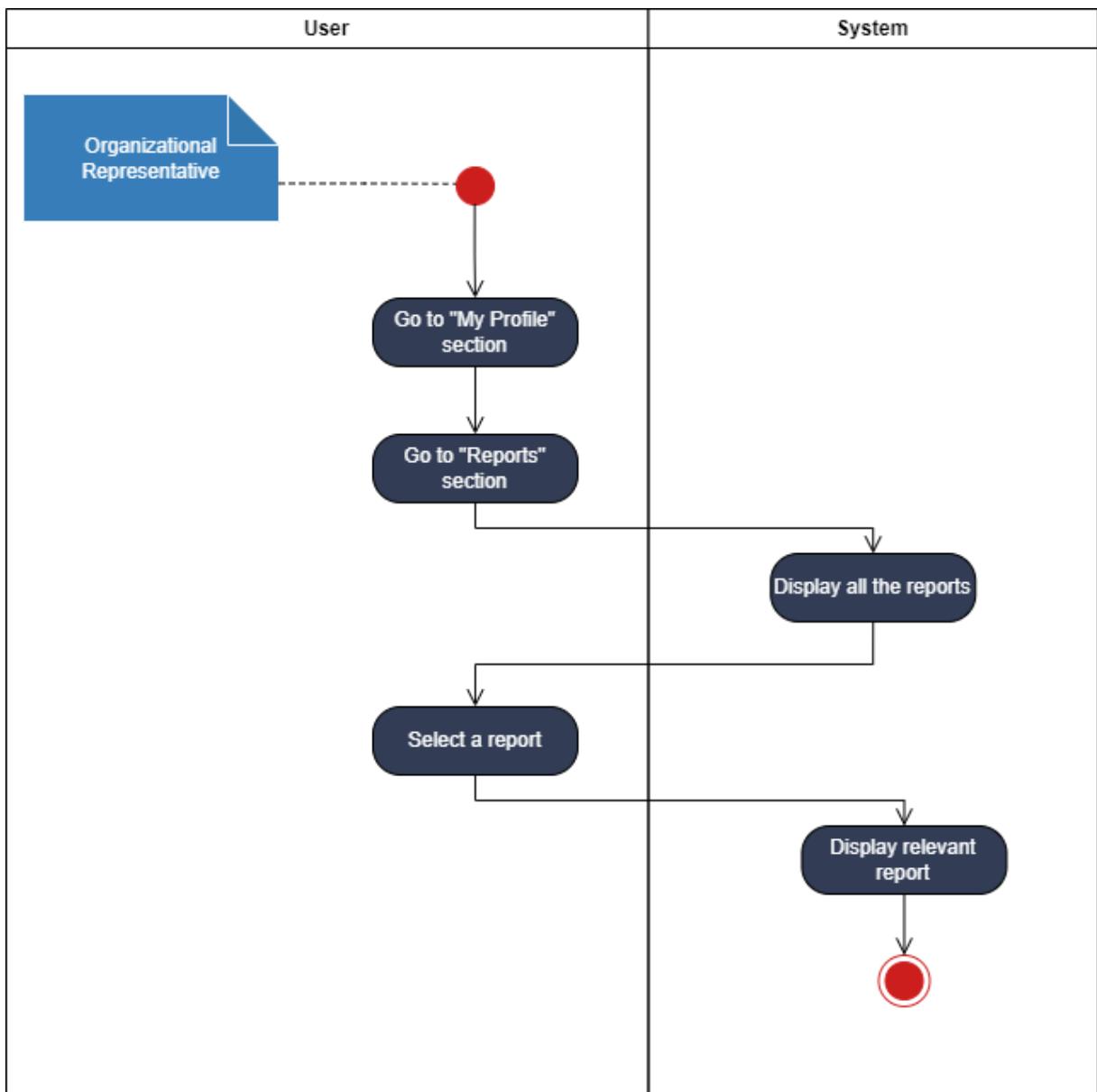
Join Organization



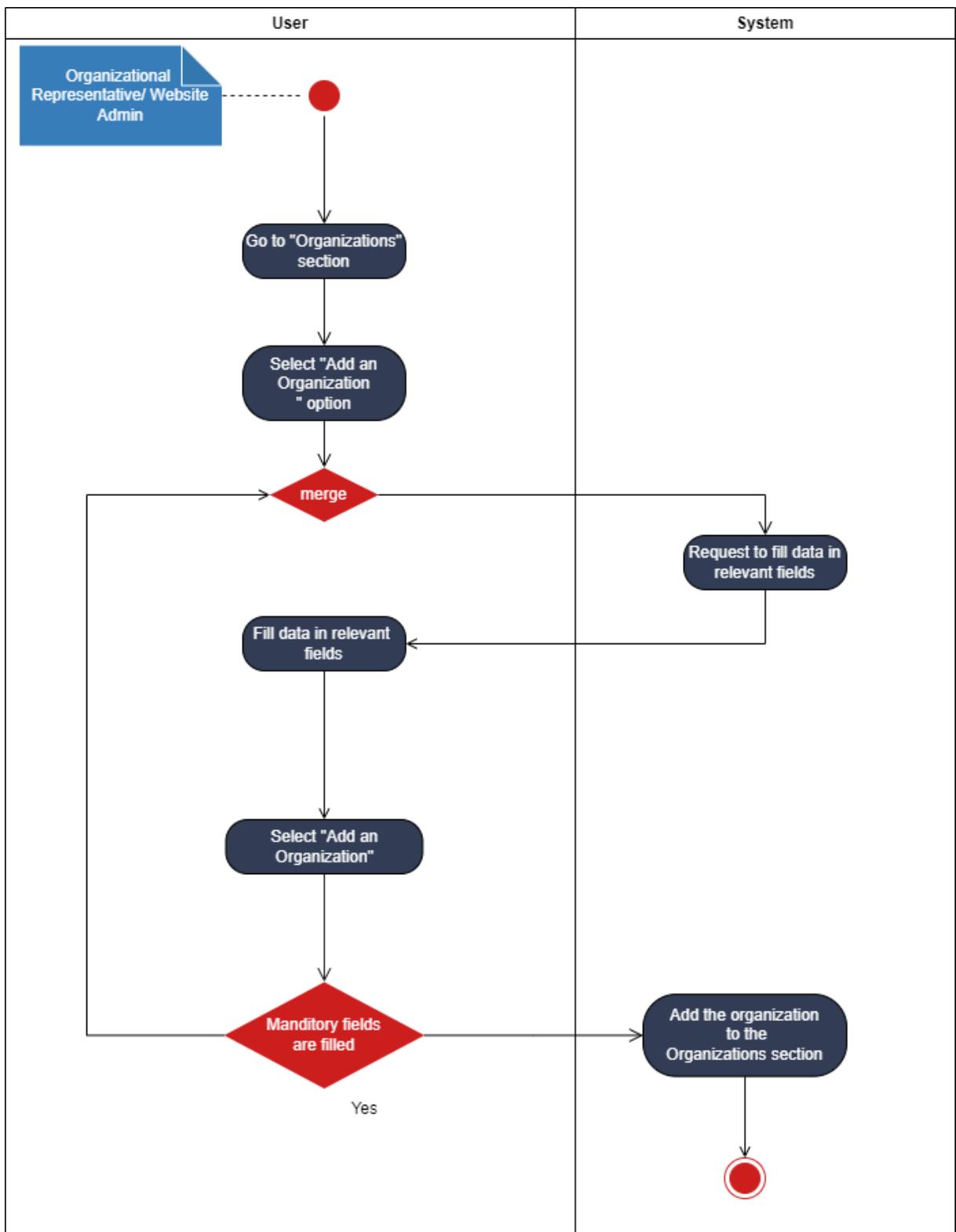
Like an Organization

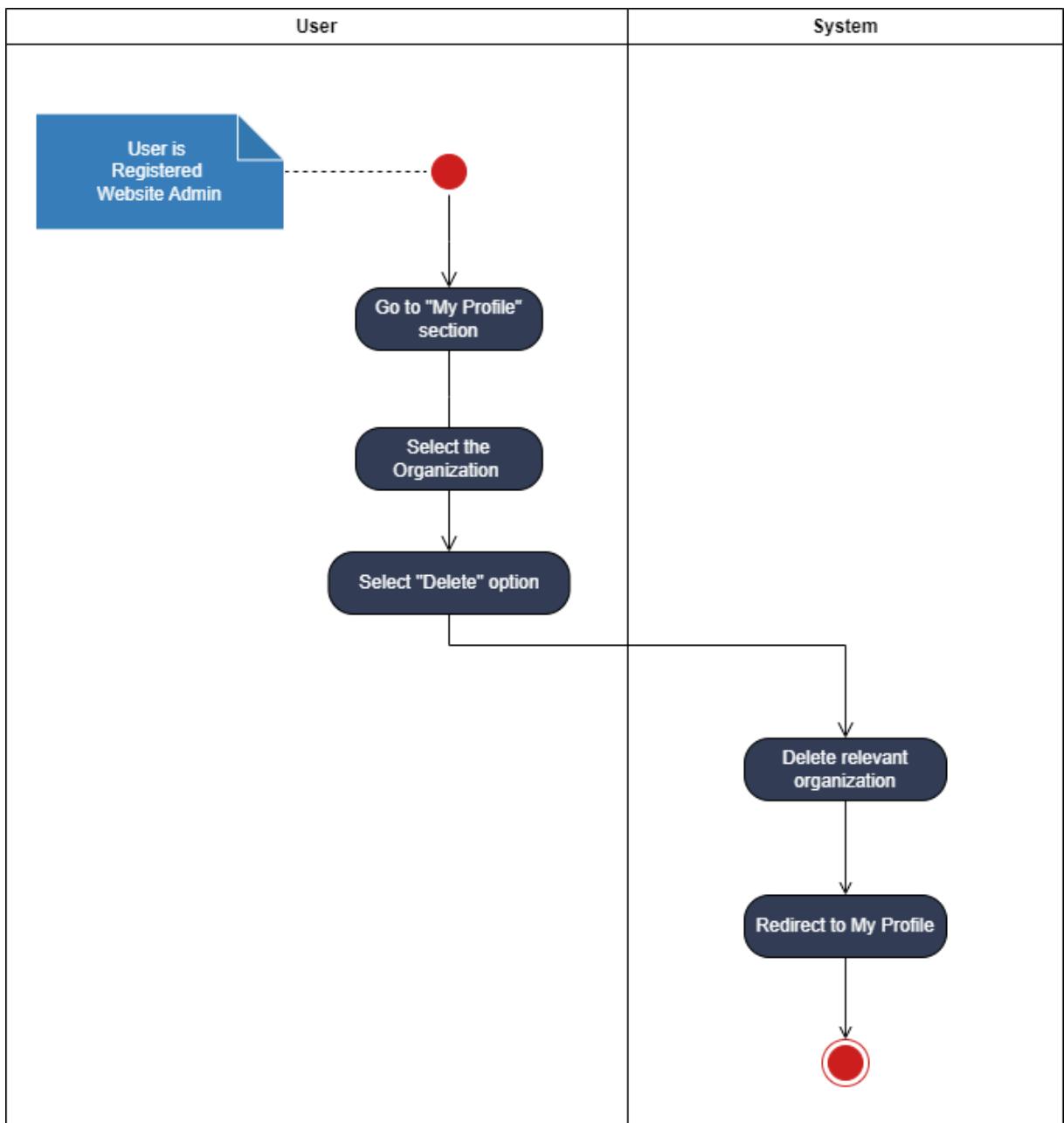
Report an Organization

View Reports

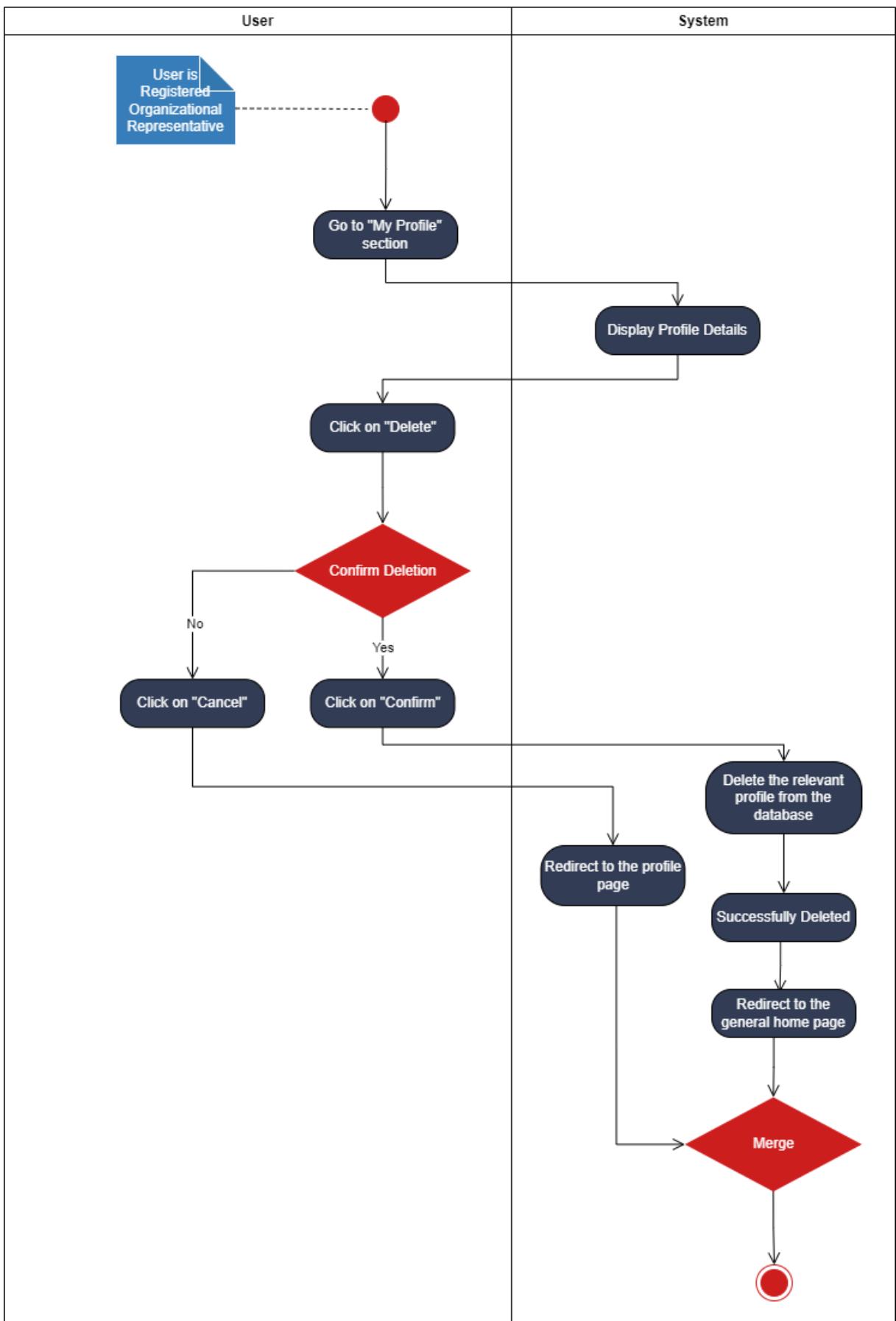


Add an Organization

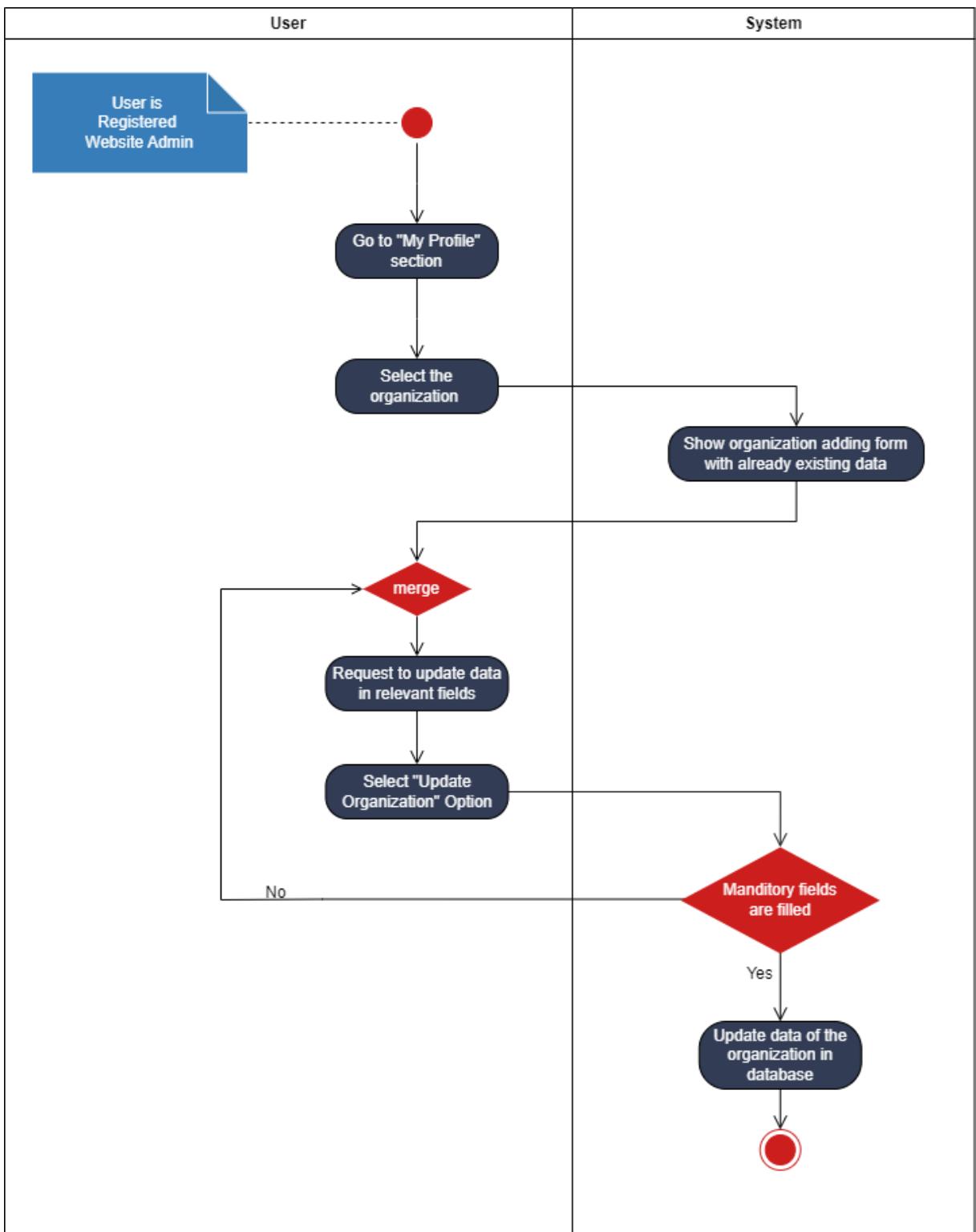


Delete an Organization - Admin

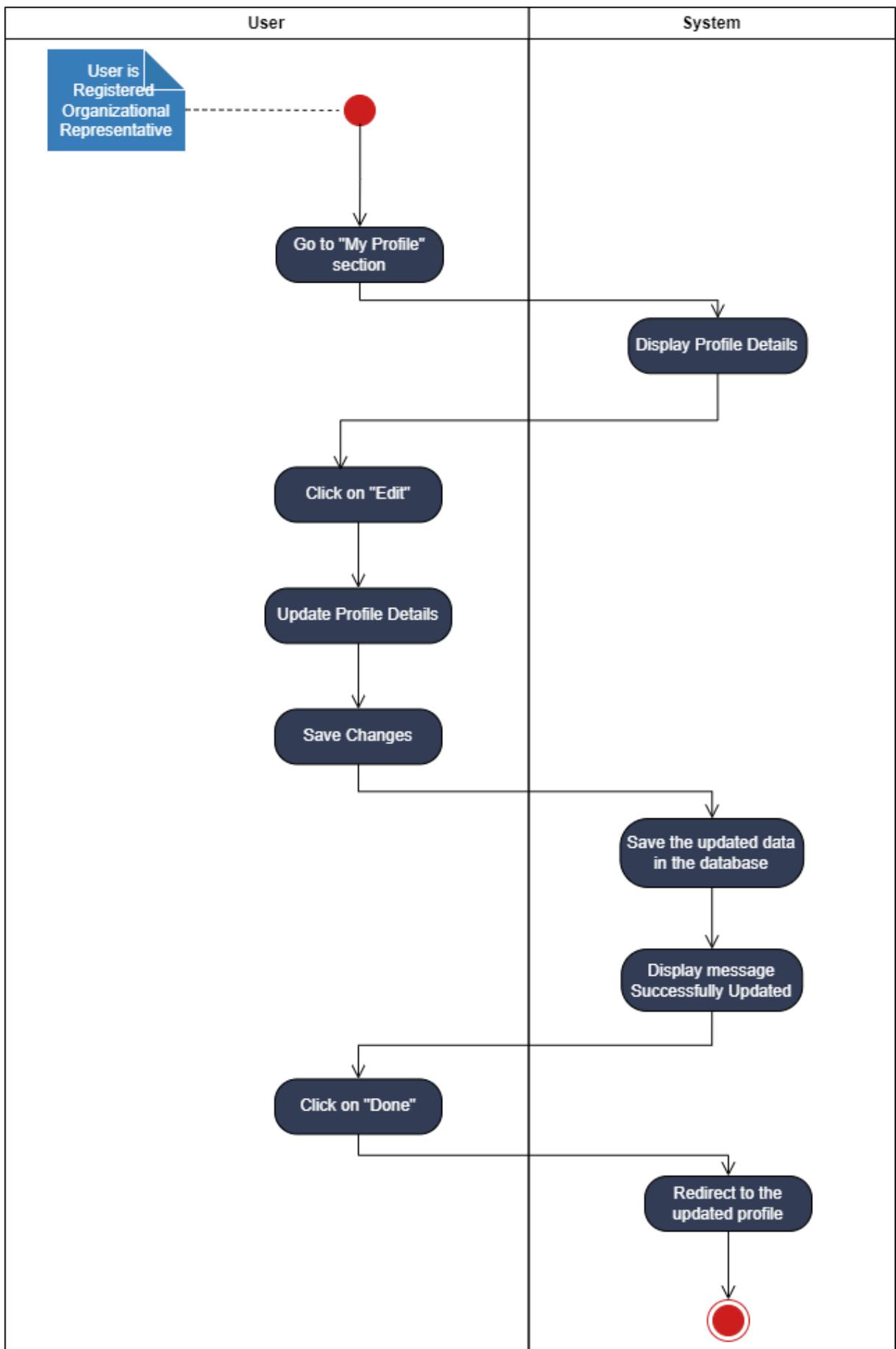
Delete an Organization - Organizational Representative



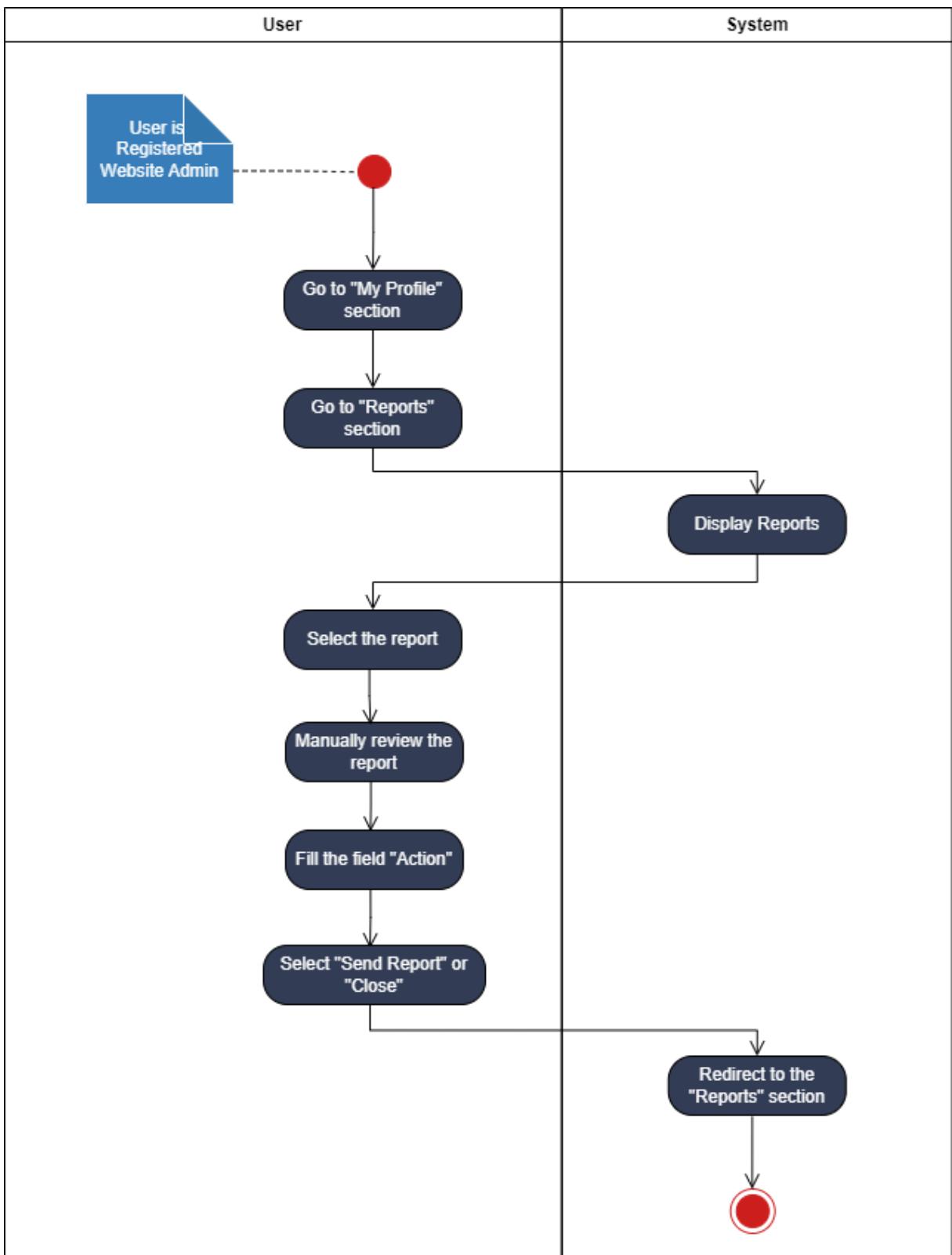
Update an Organization - Admin



Update an Organization - Organizational Representative

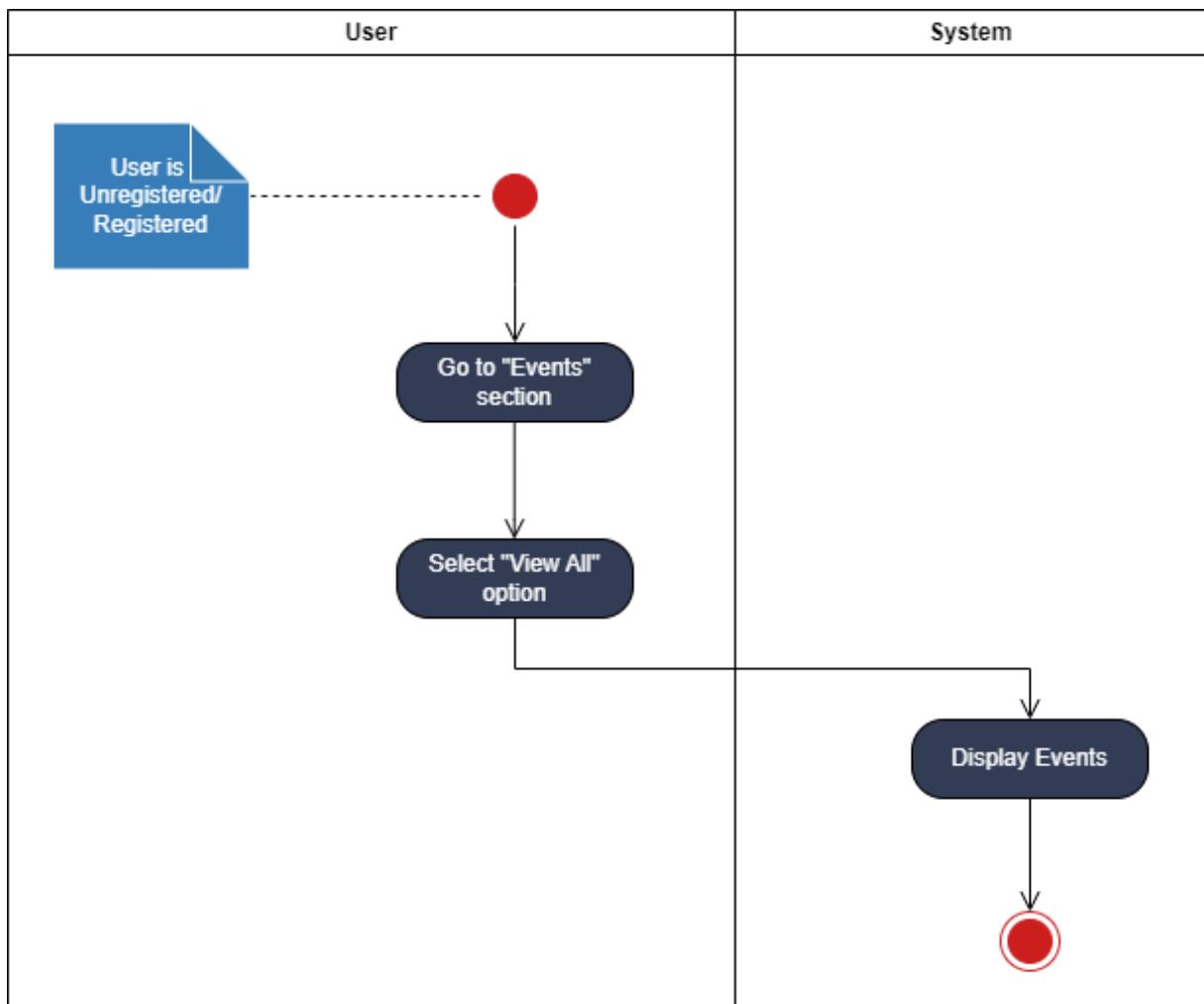


Review Reports

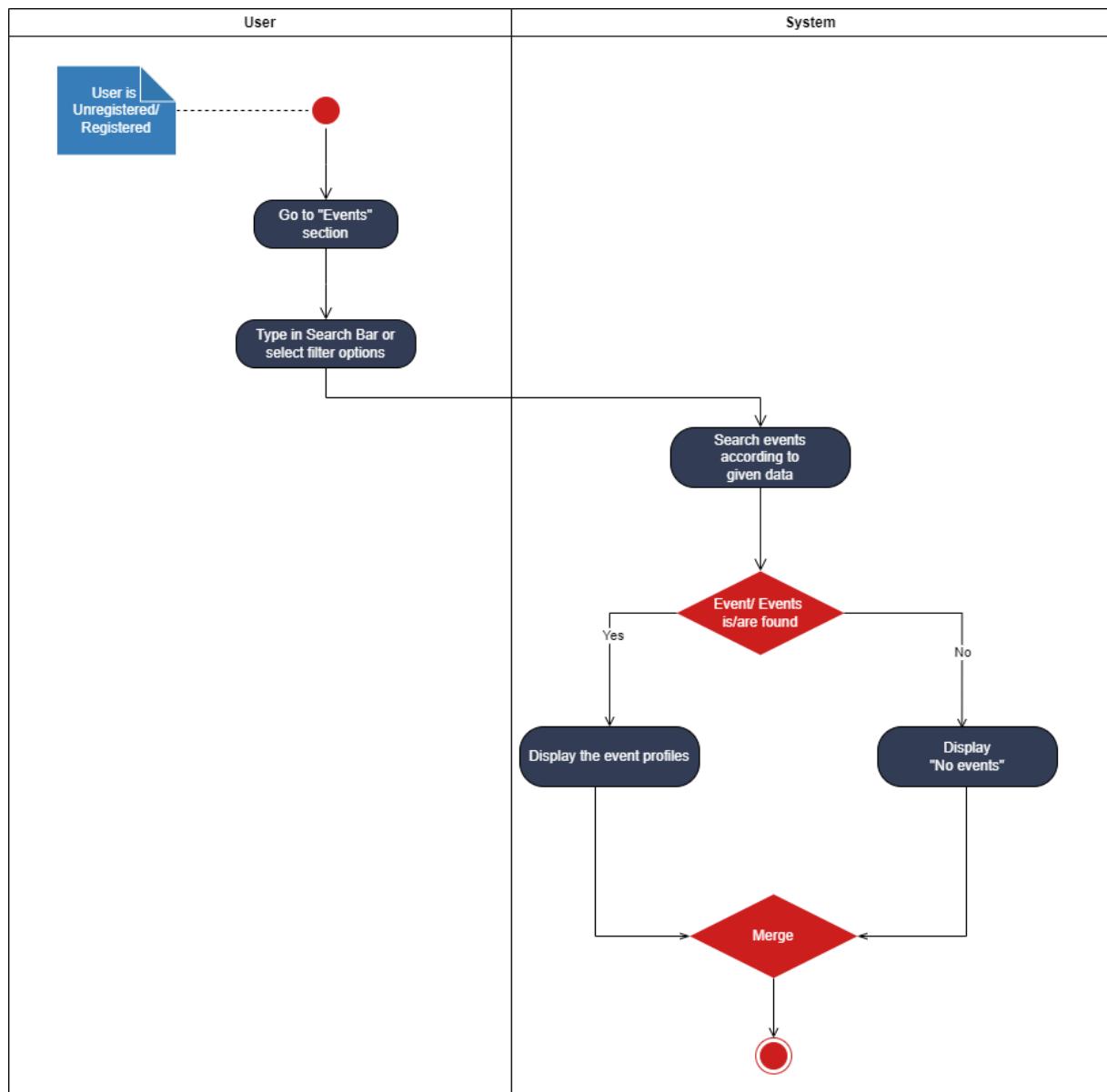


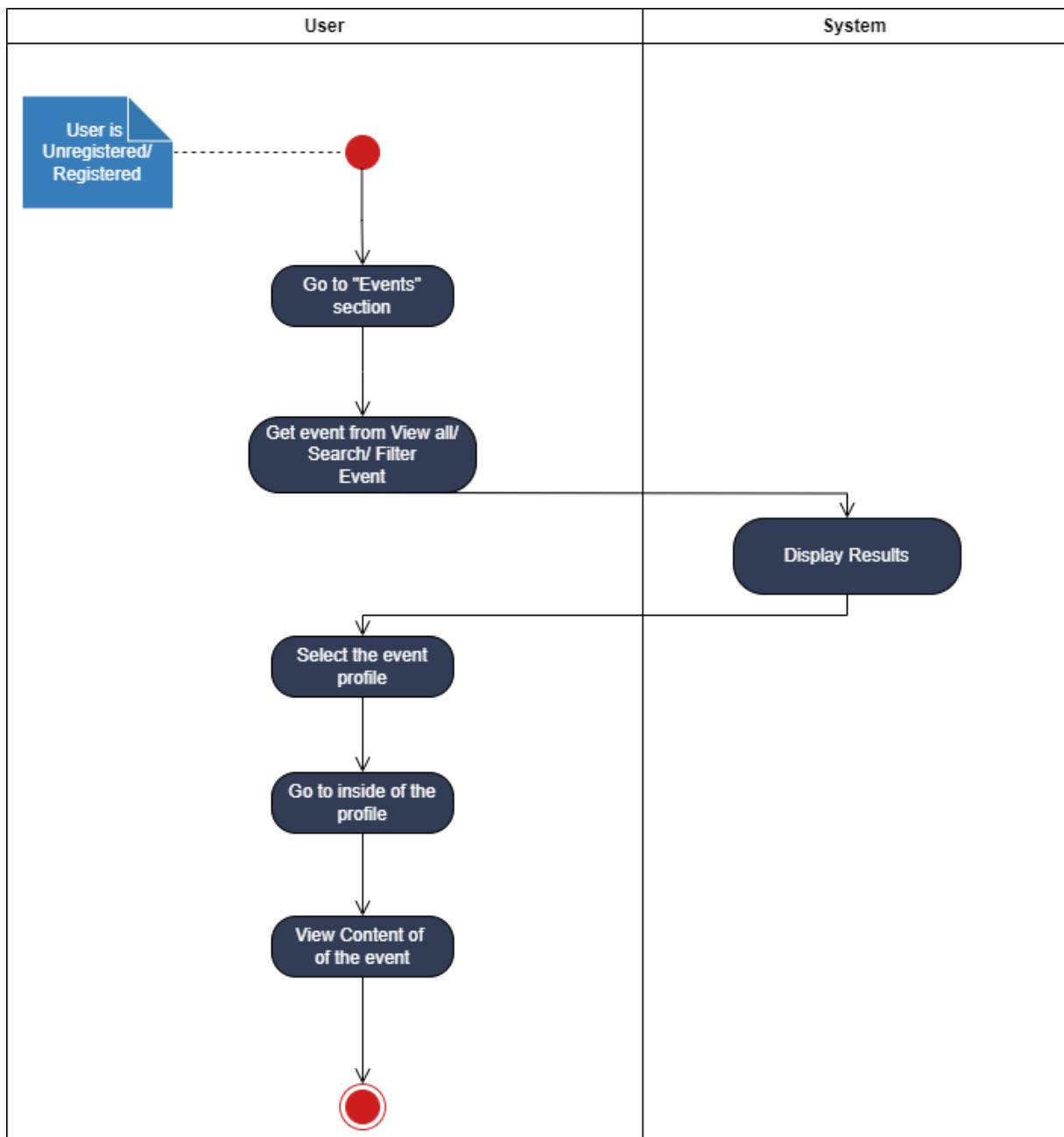
IV. Events

[View All Events](#)

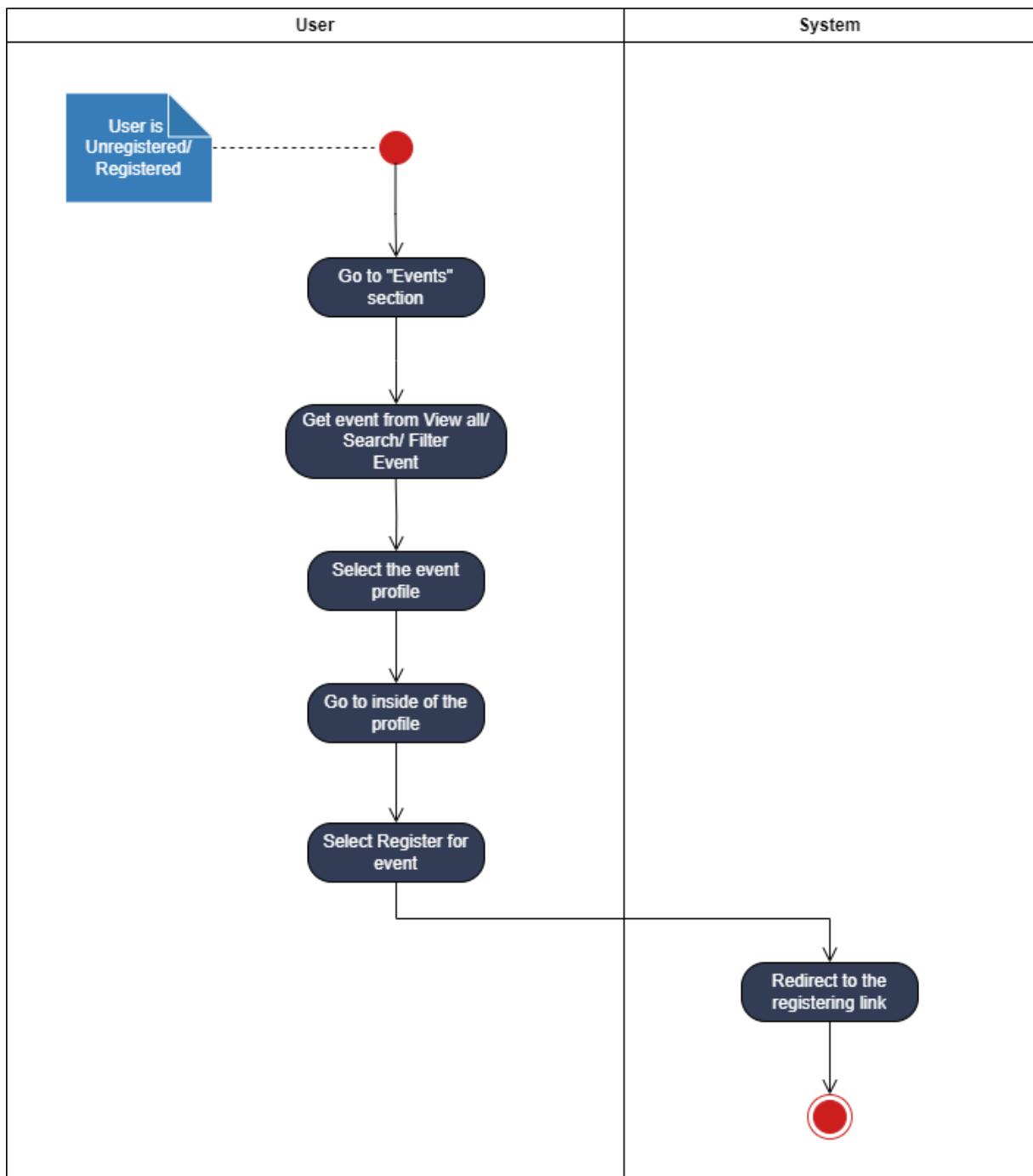


SearchFilter Events

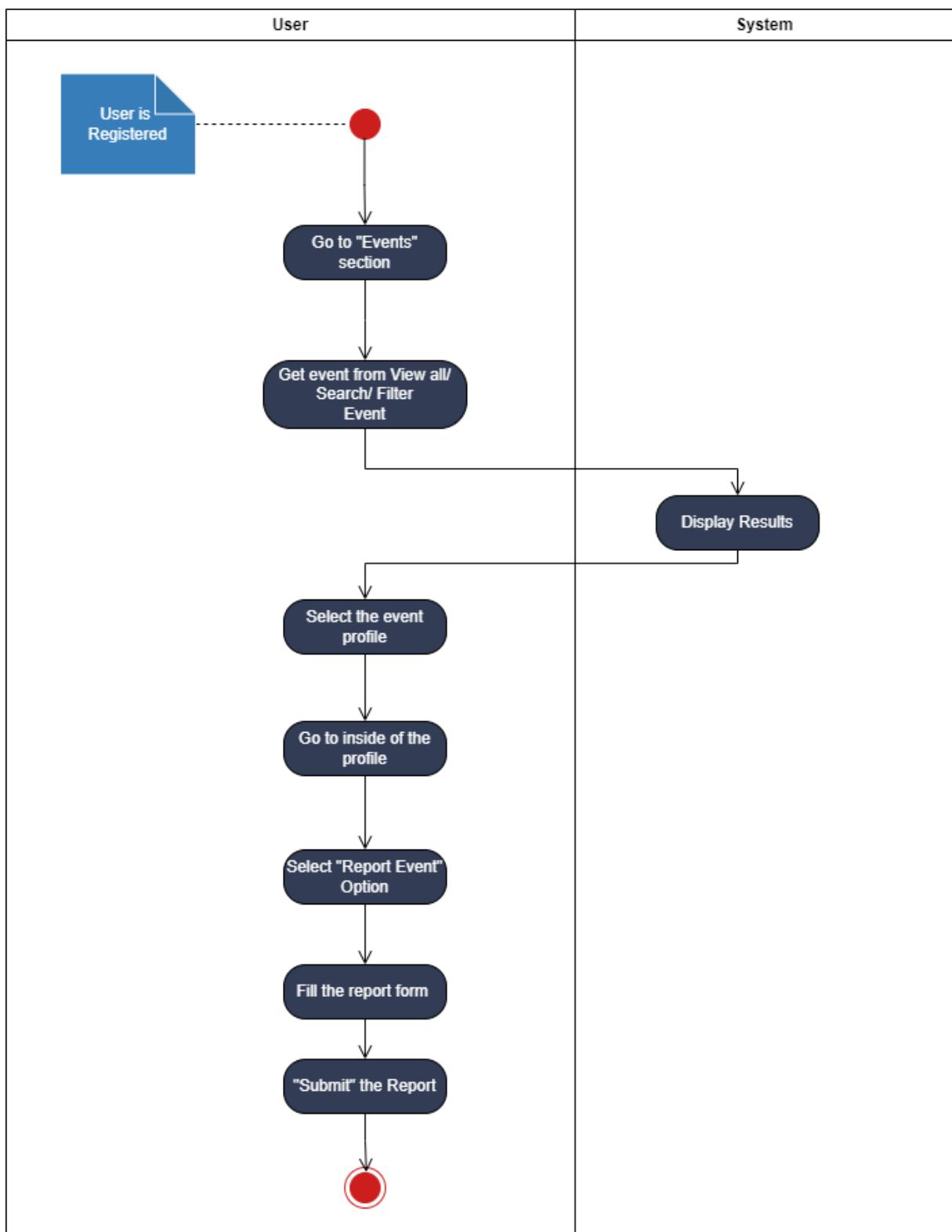


View Specific Event

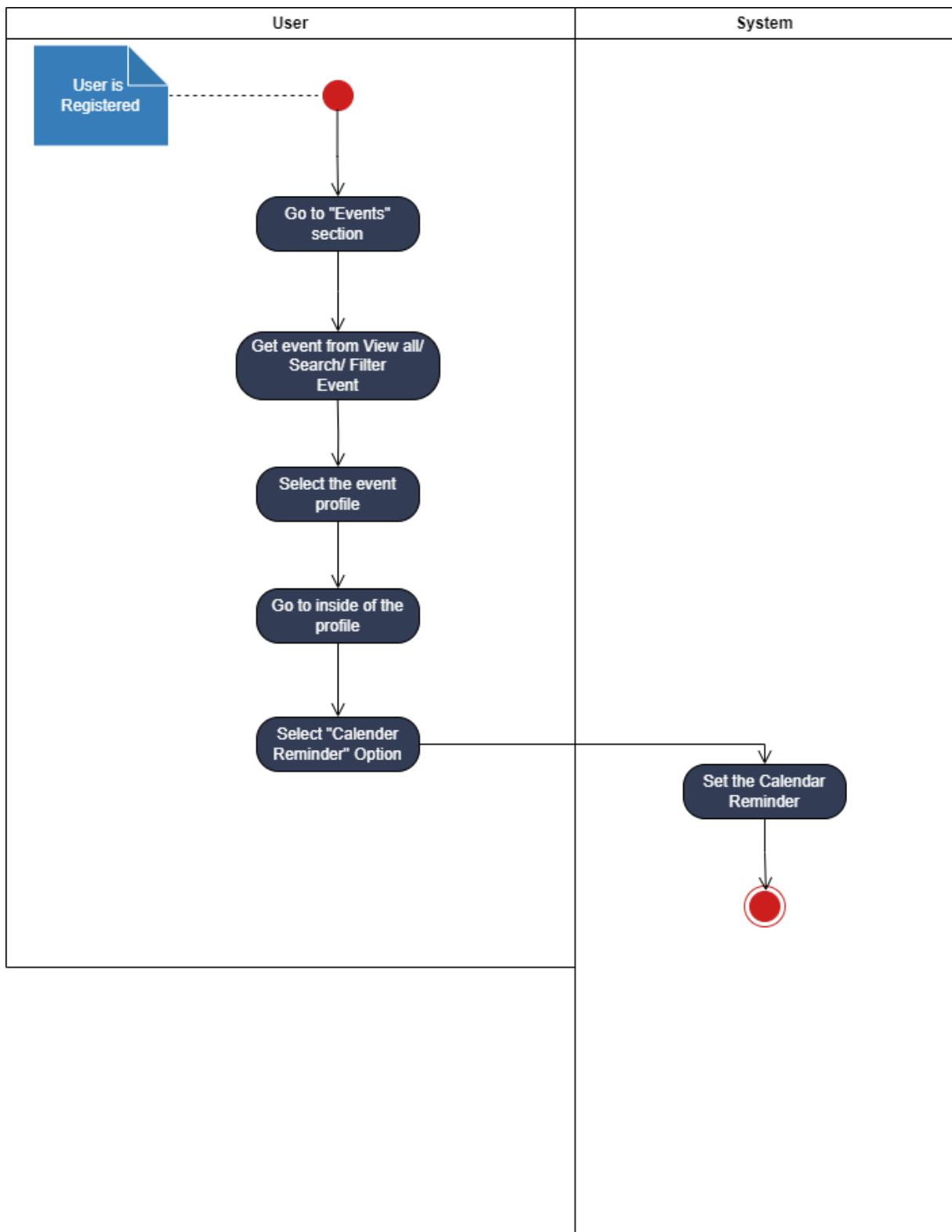
Register for event



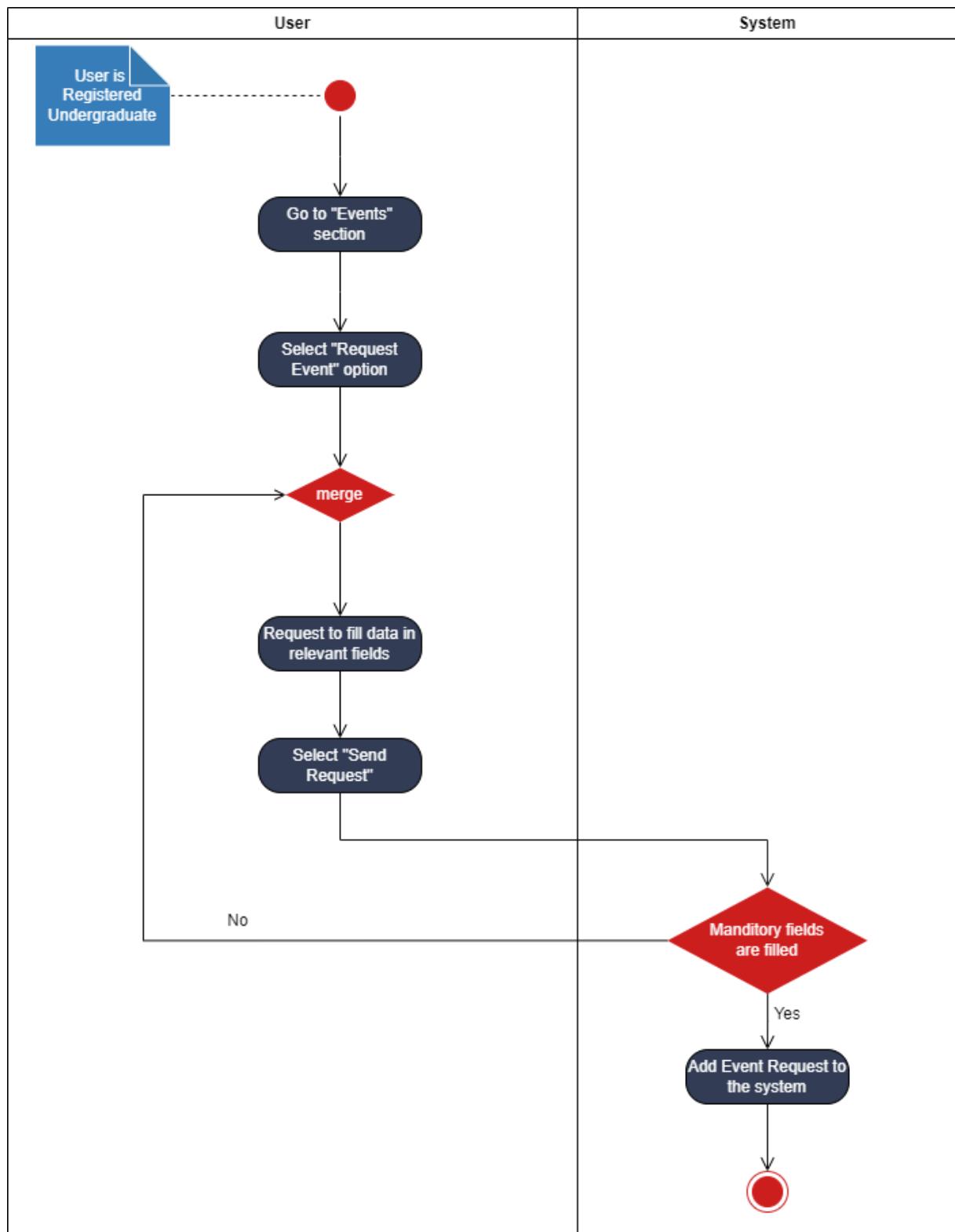
Report an event



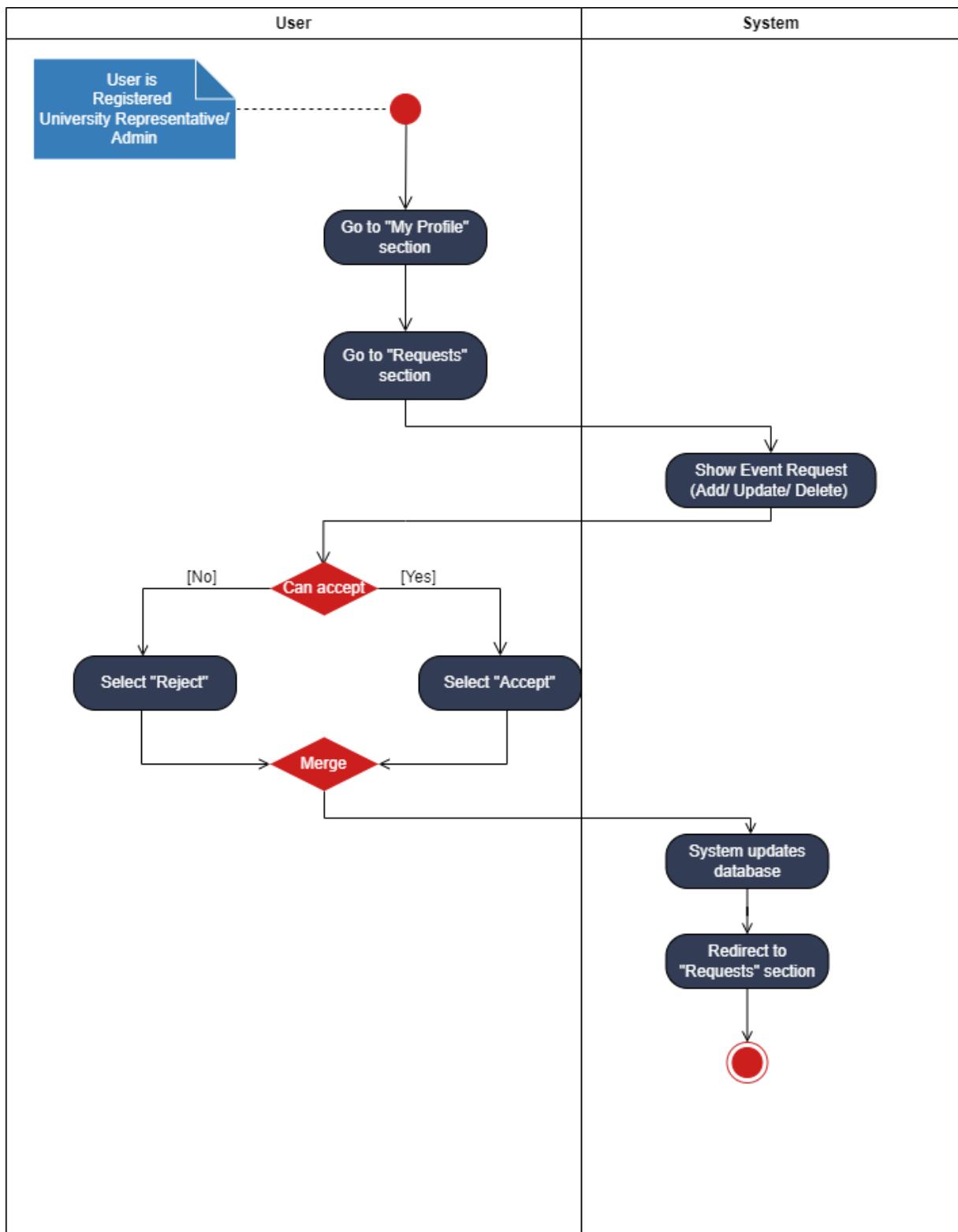
Add Calendar Reminder



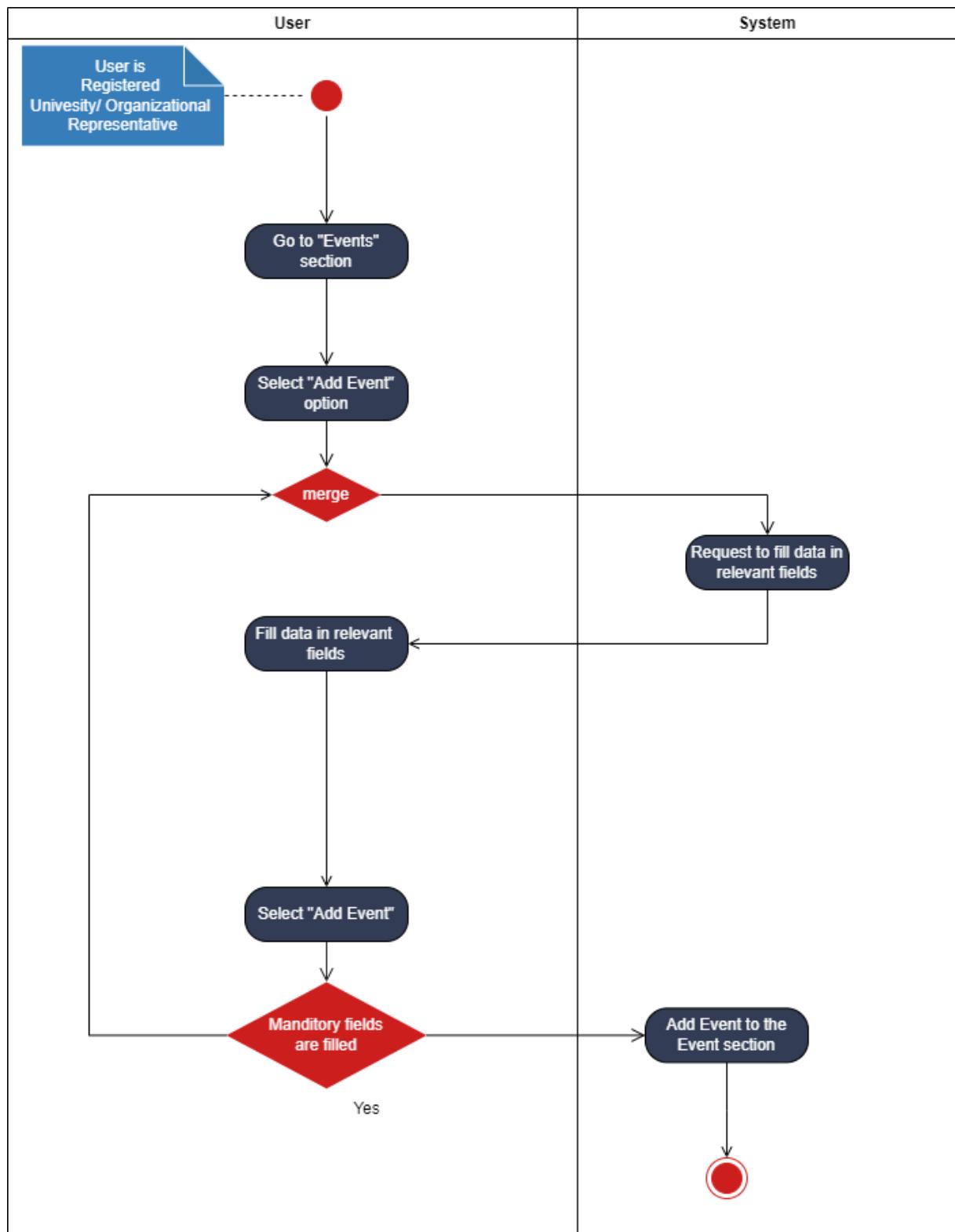
Request to add new event



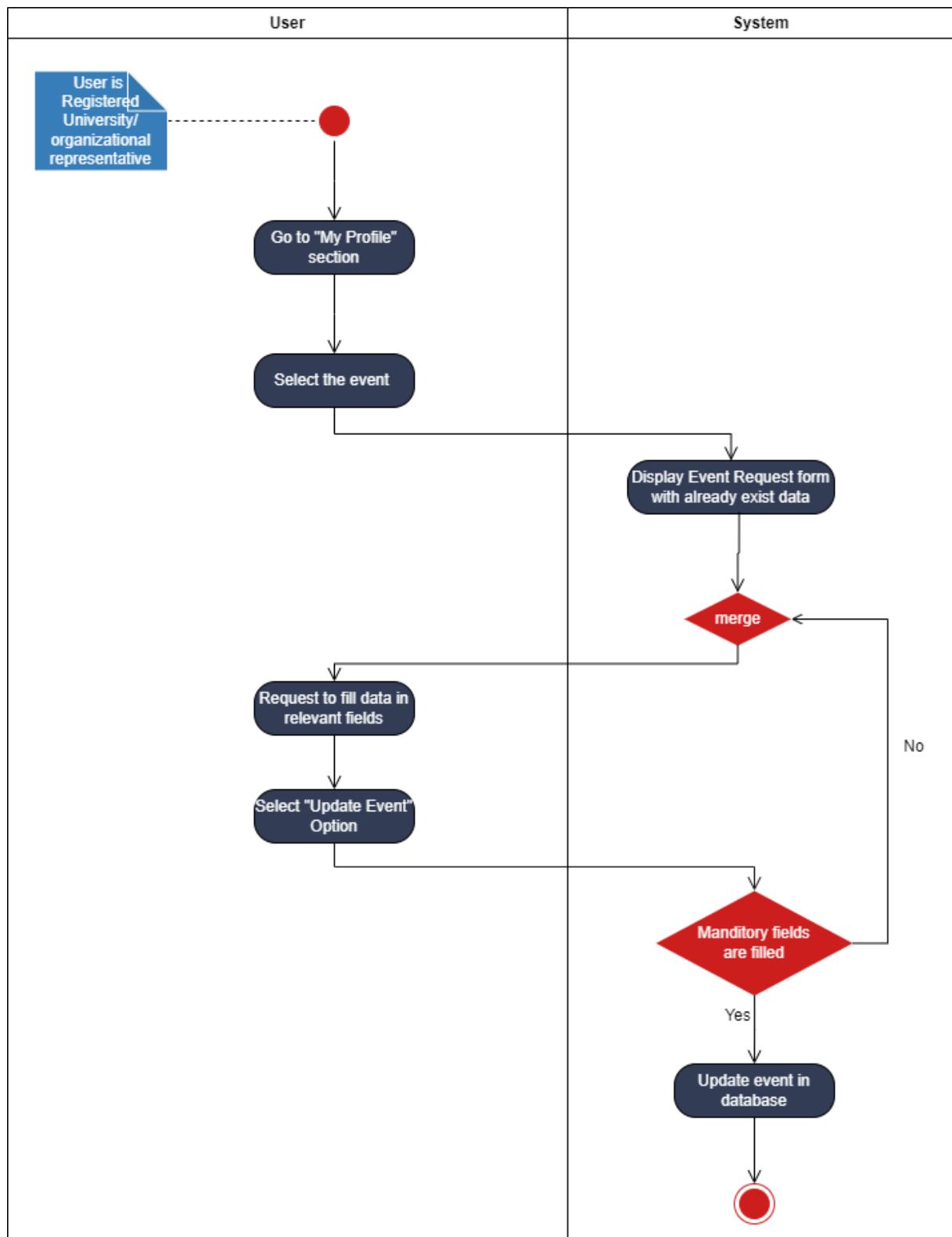
Review Event



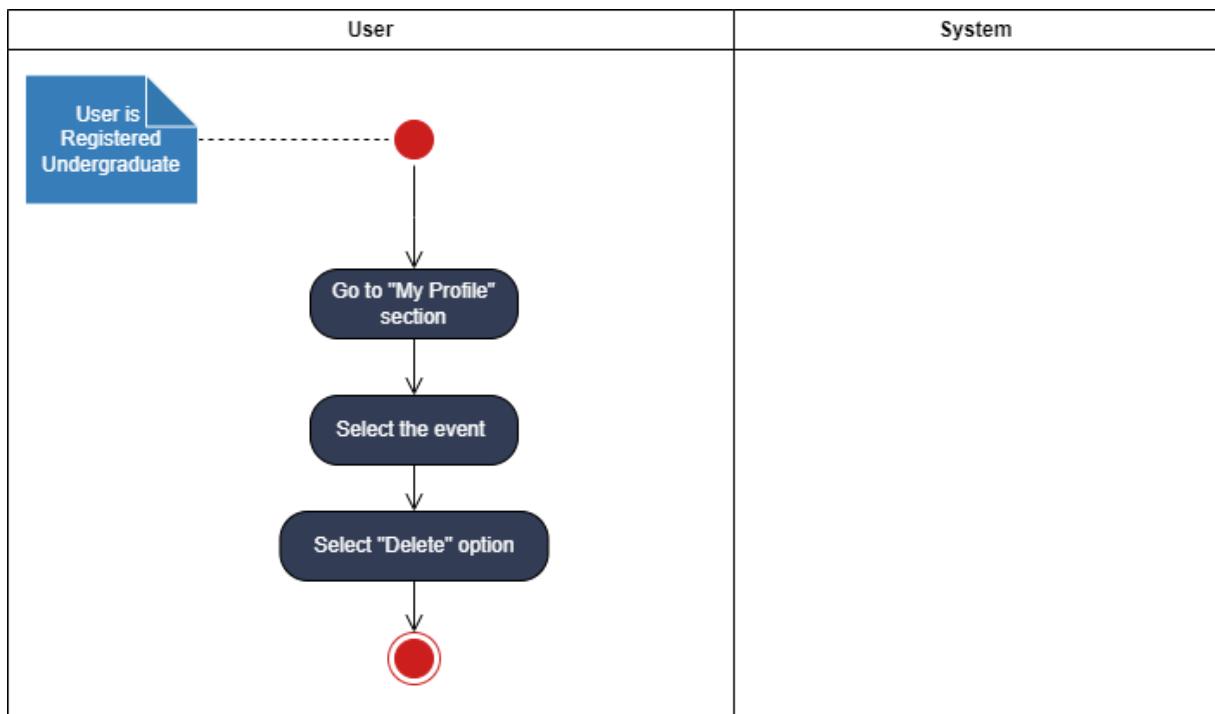
Add new event



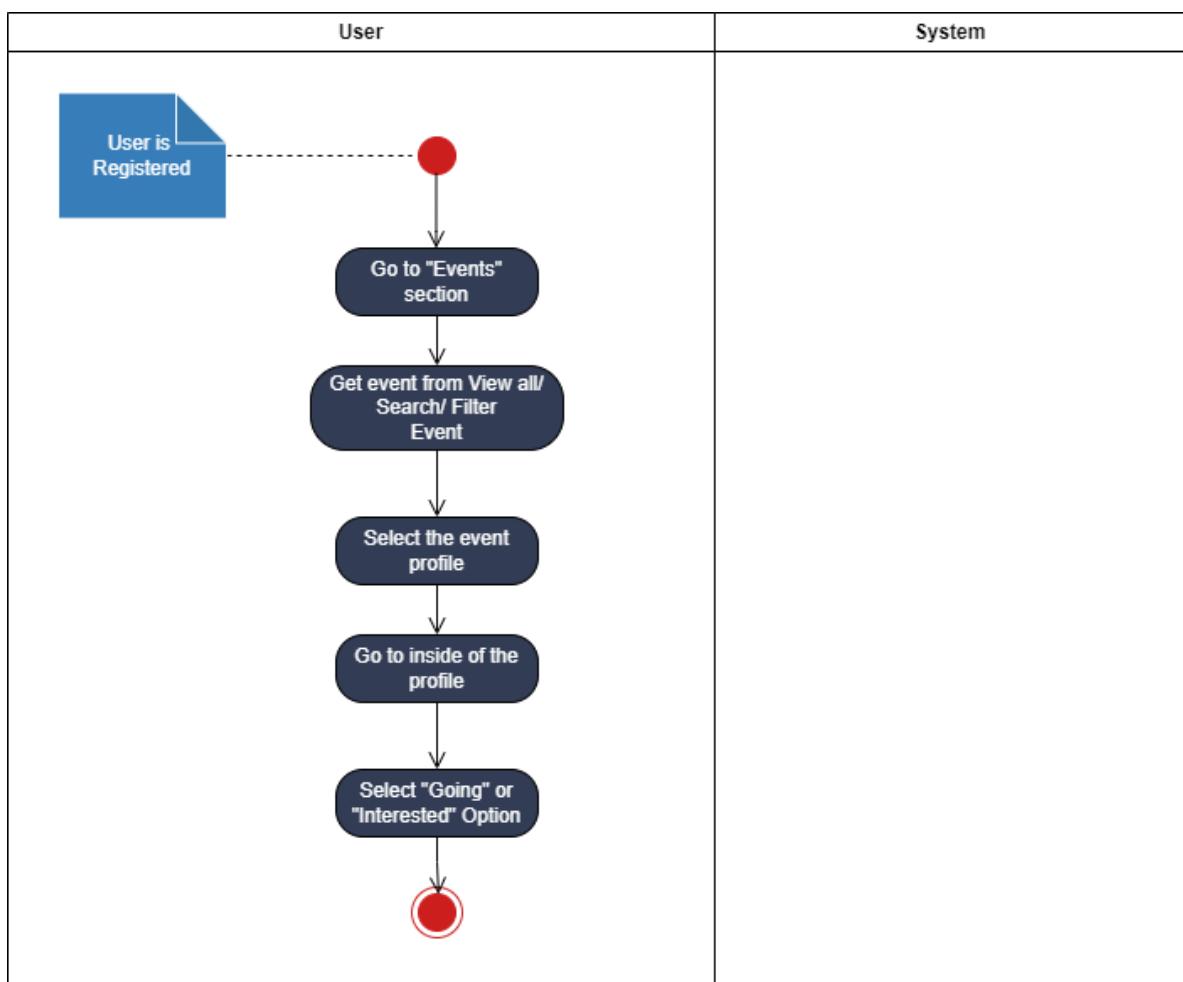
Update an event

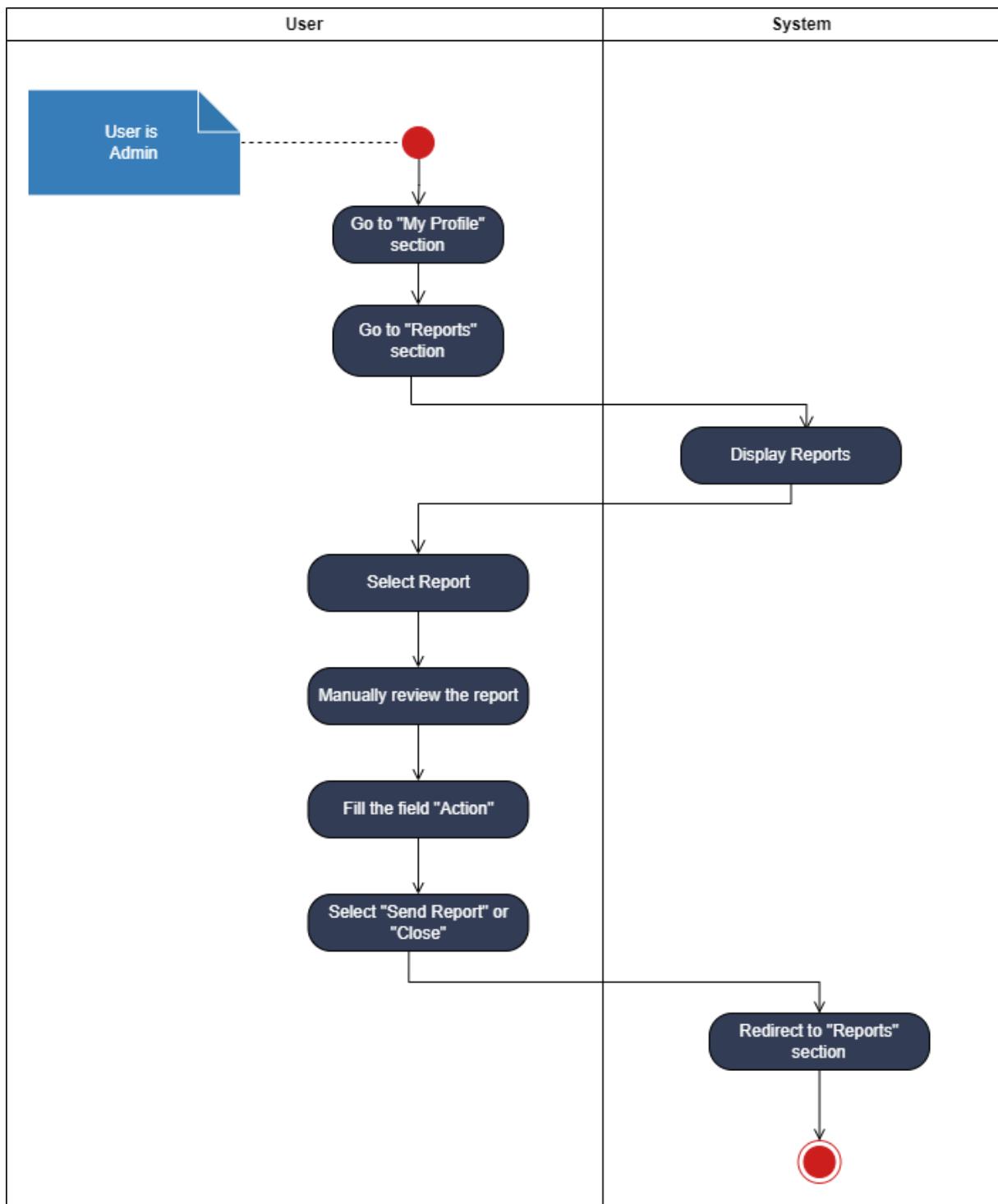


Delete Event



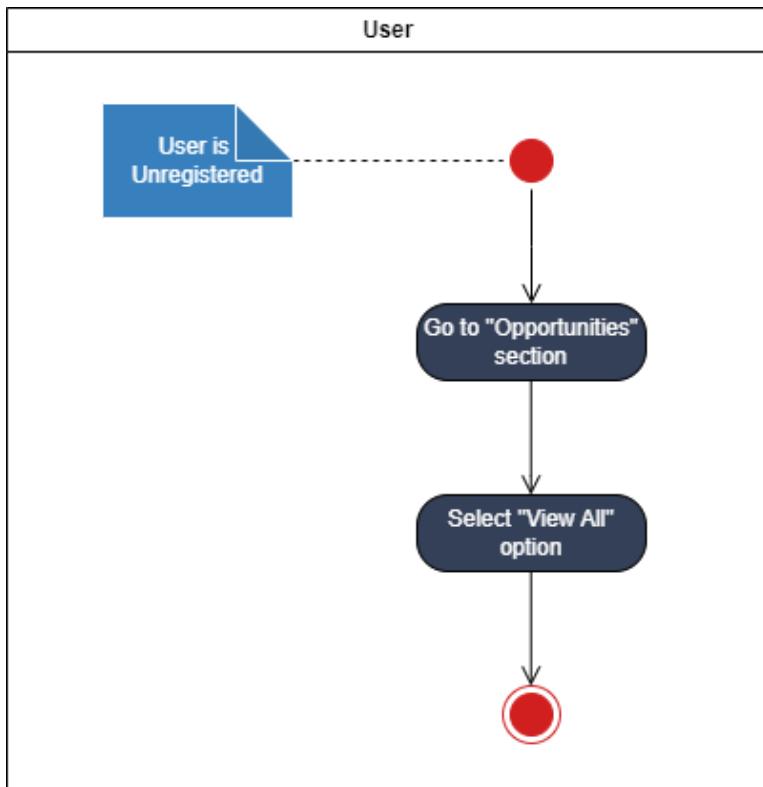
Mark Participation



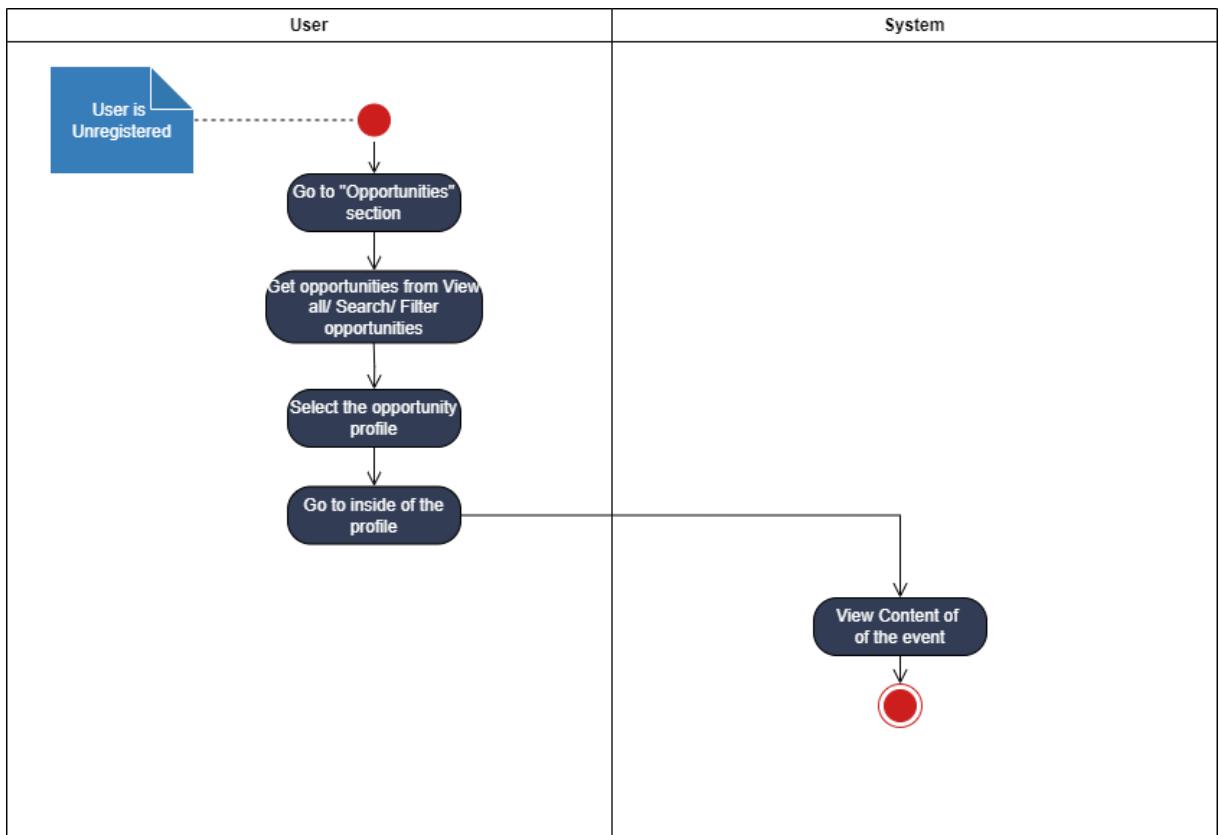
Review Report

V. Opportunities

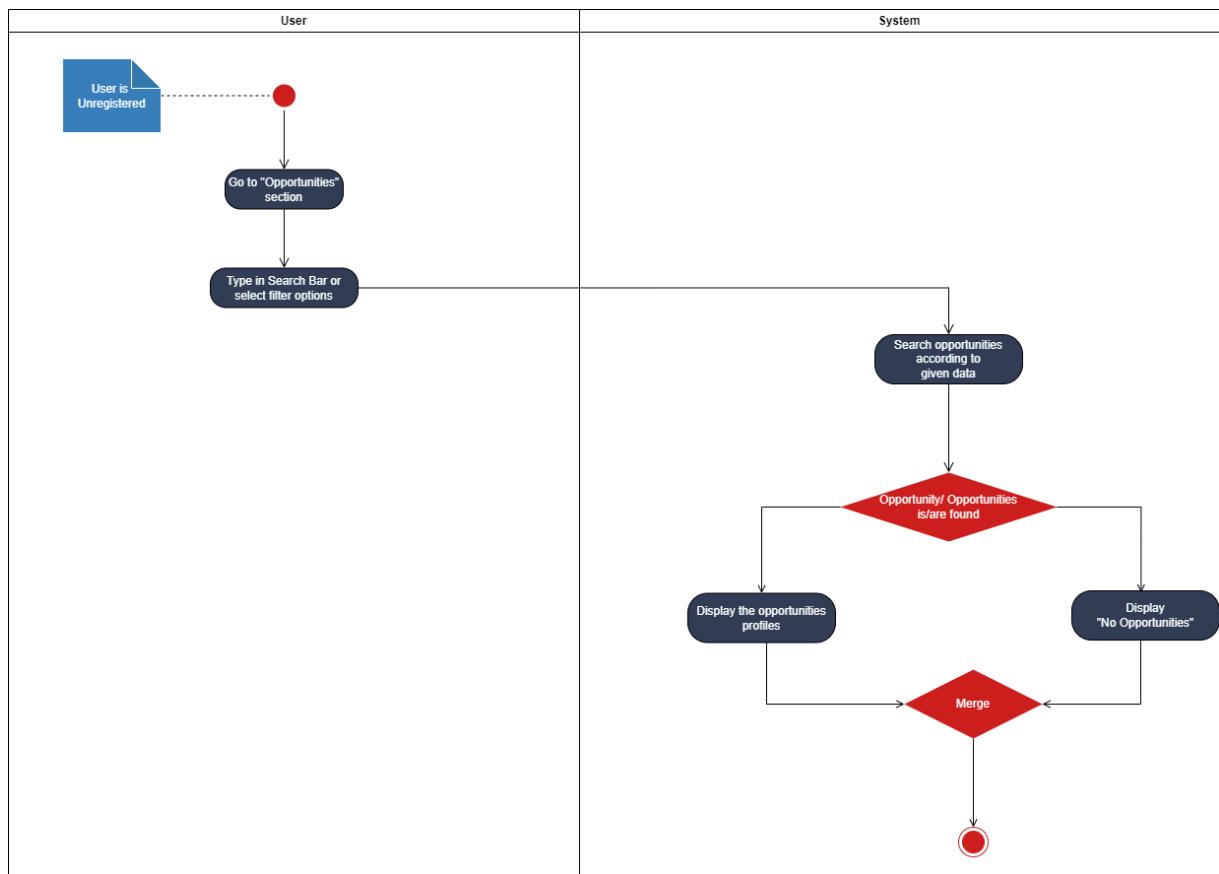
[View All Opportunities](#)



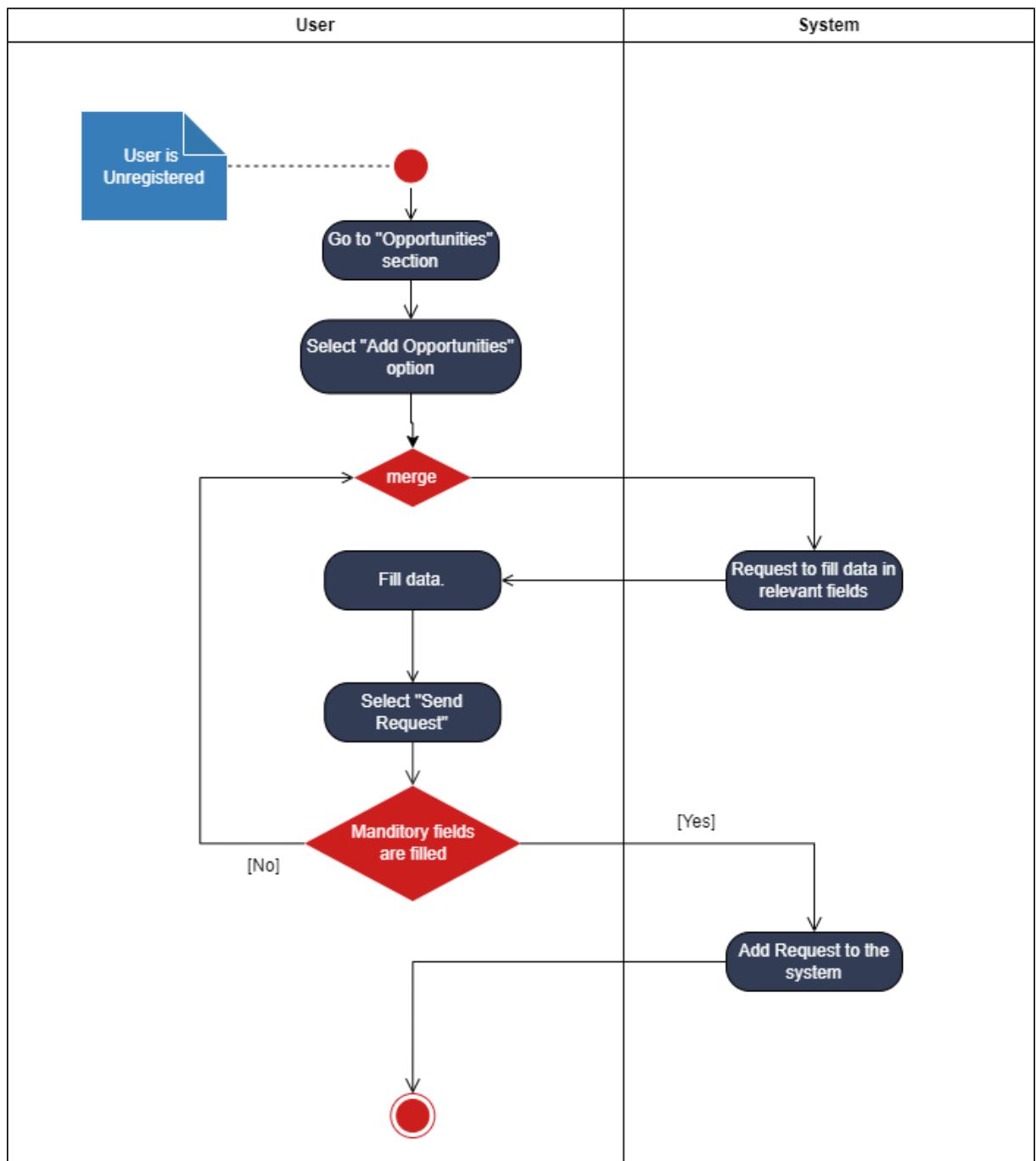
[View Specific Opportunity](#)



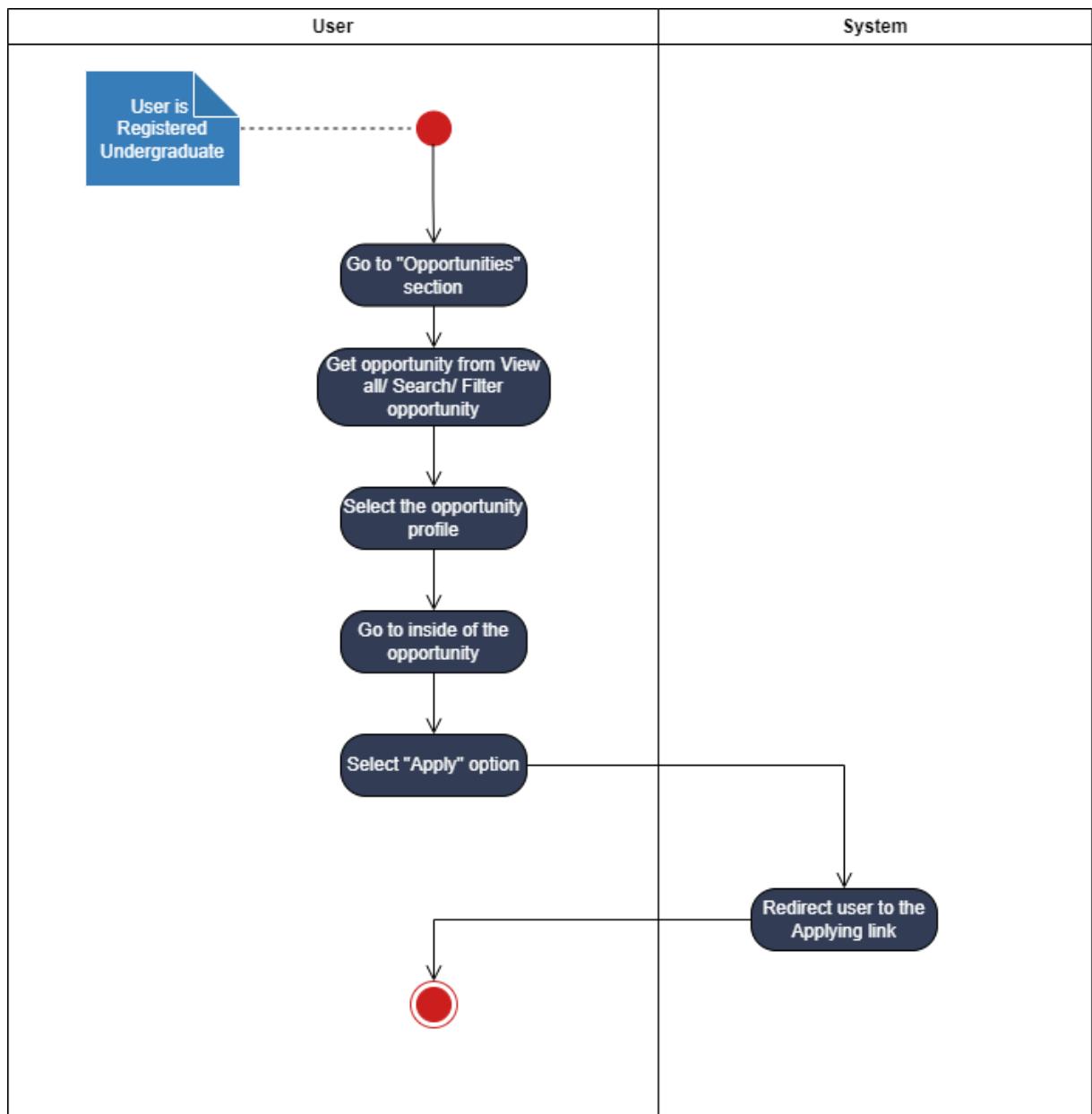
Search Filter Opportunities



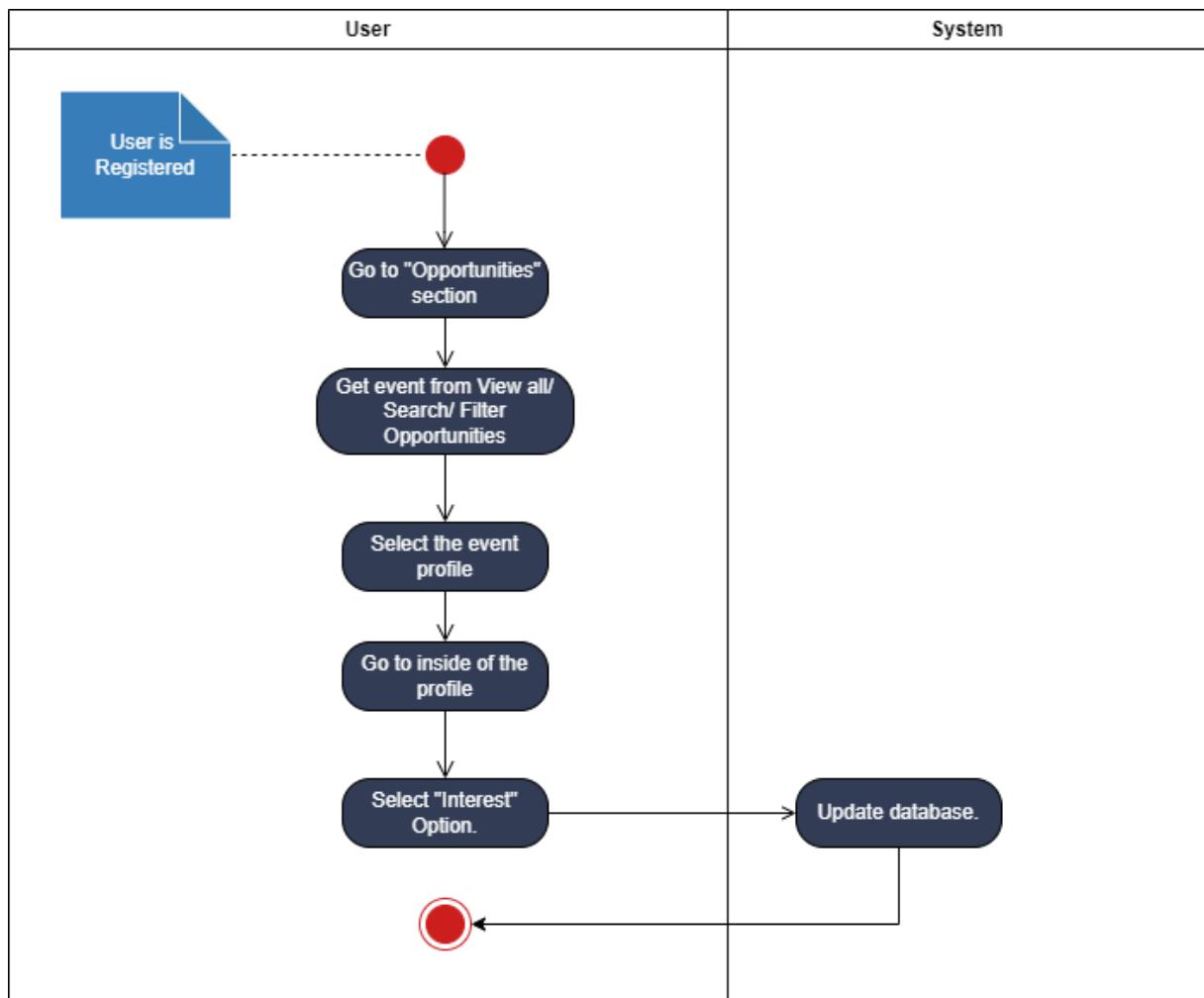
Request To Add New Opportunity



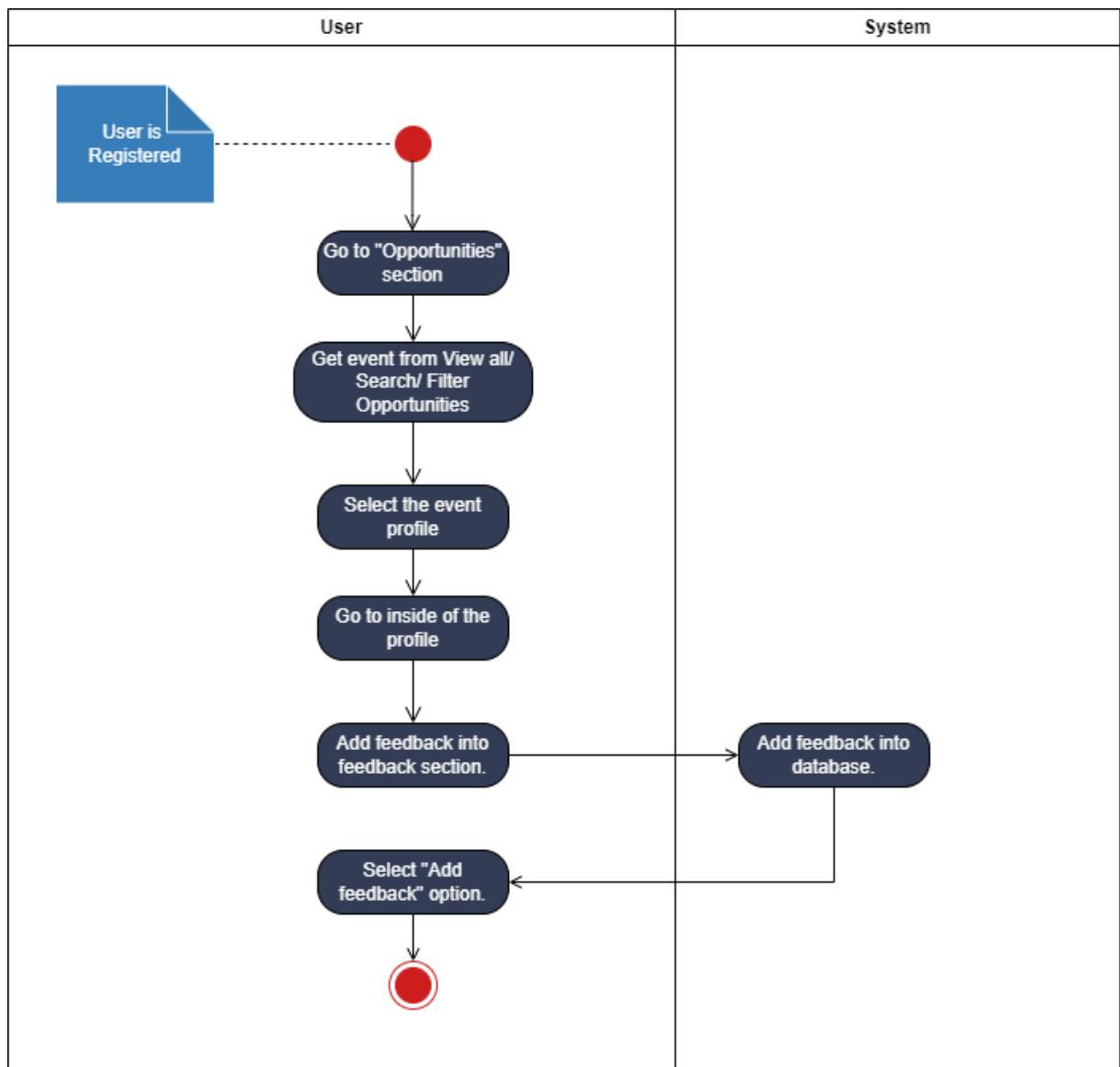
Apply for Opportunity



Mark Interest

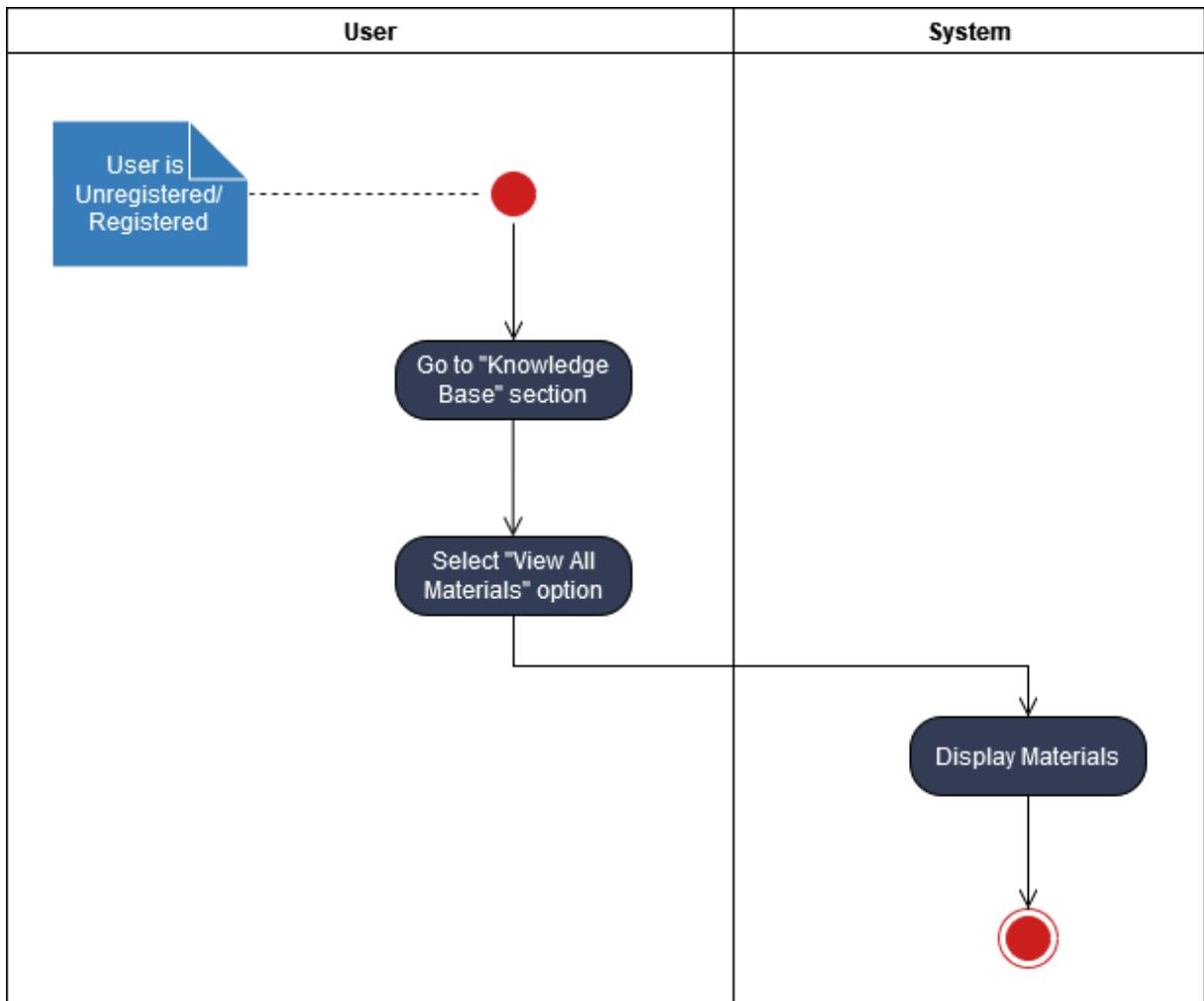


Add Feedback

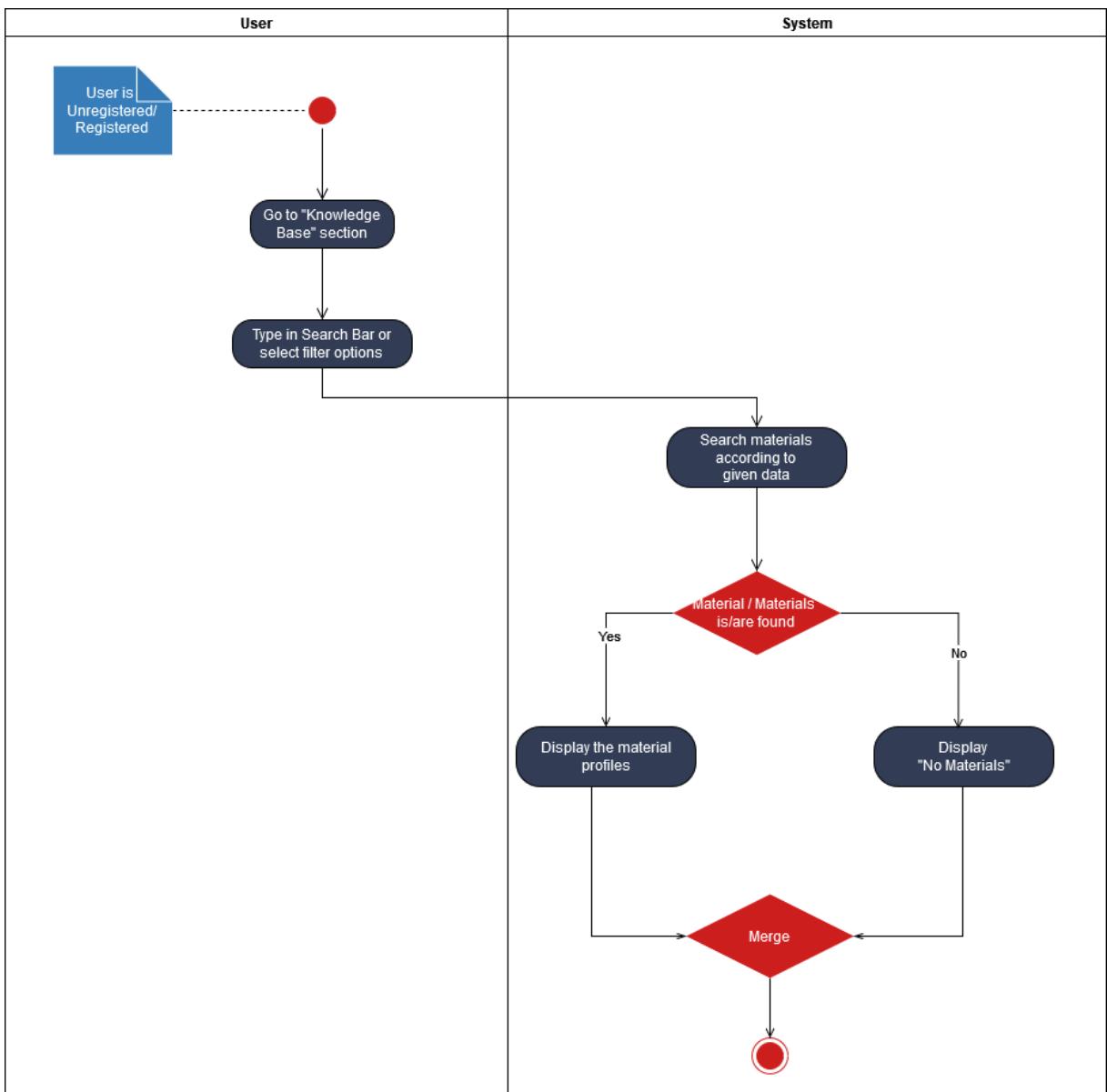


VI. Knowledge Base

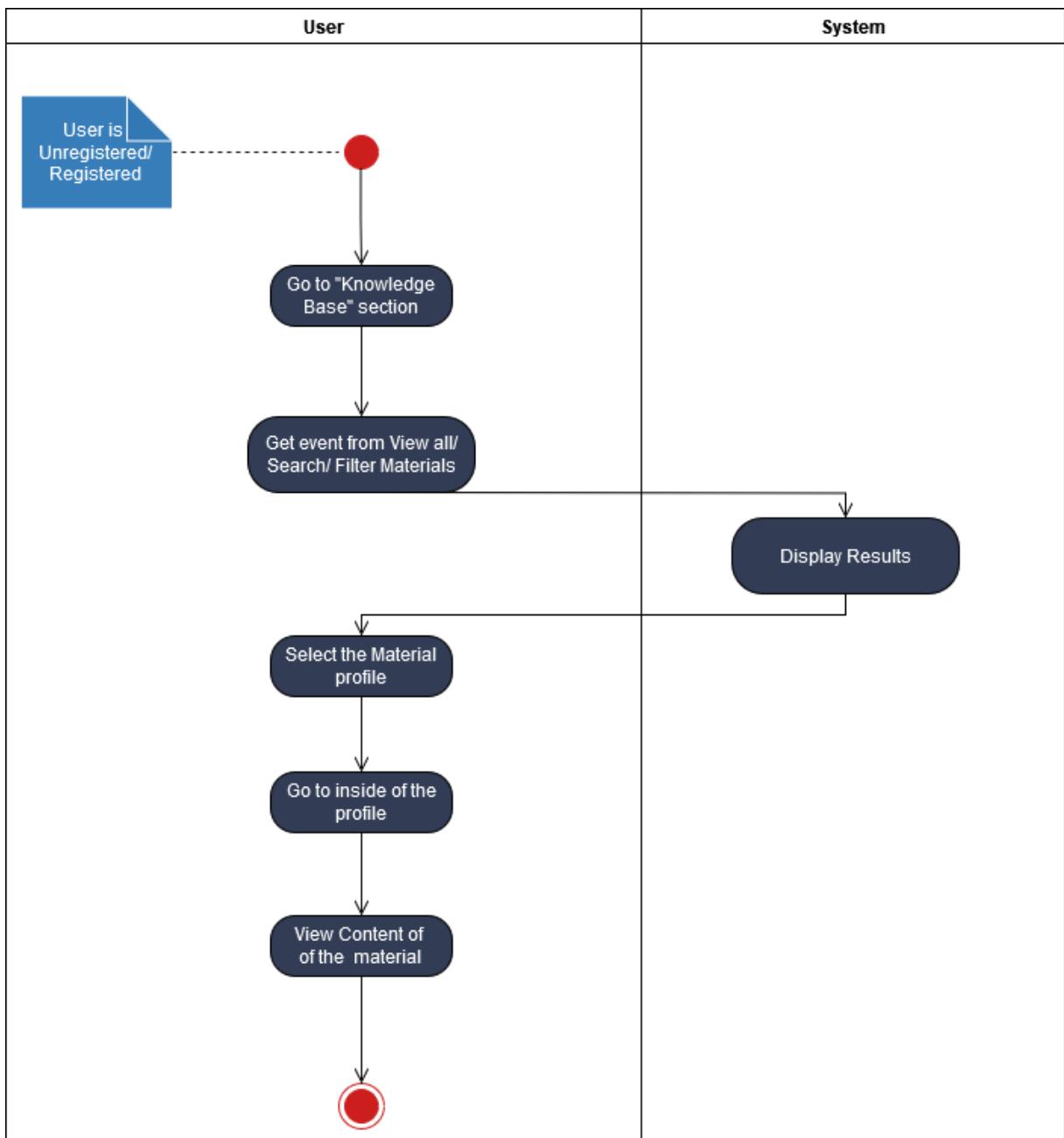
[View All Materials](#)

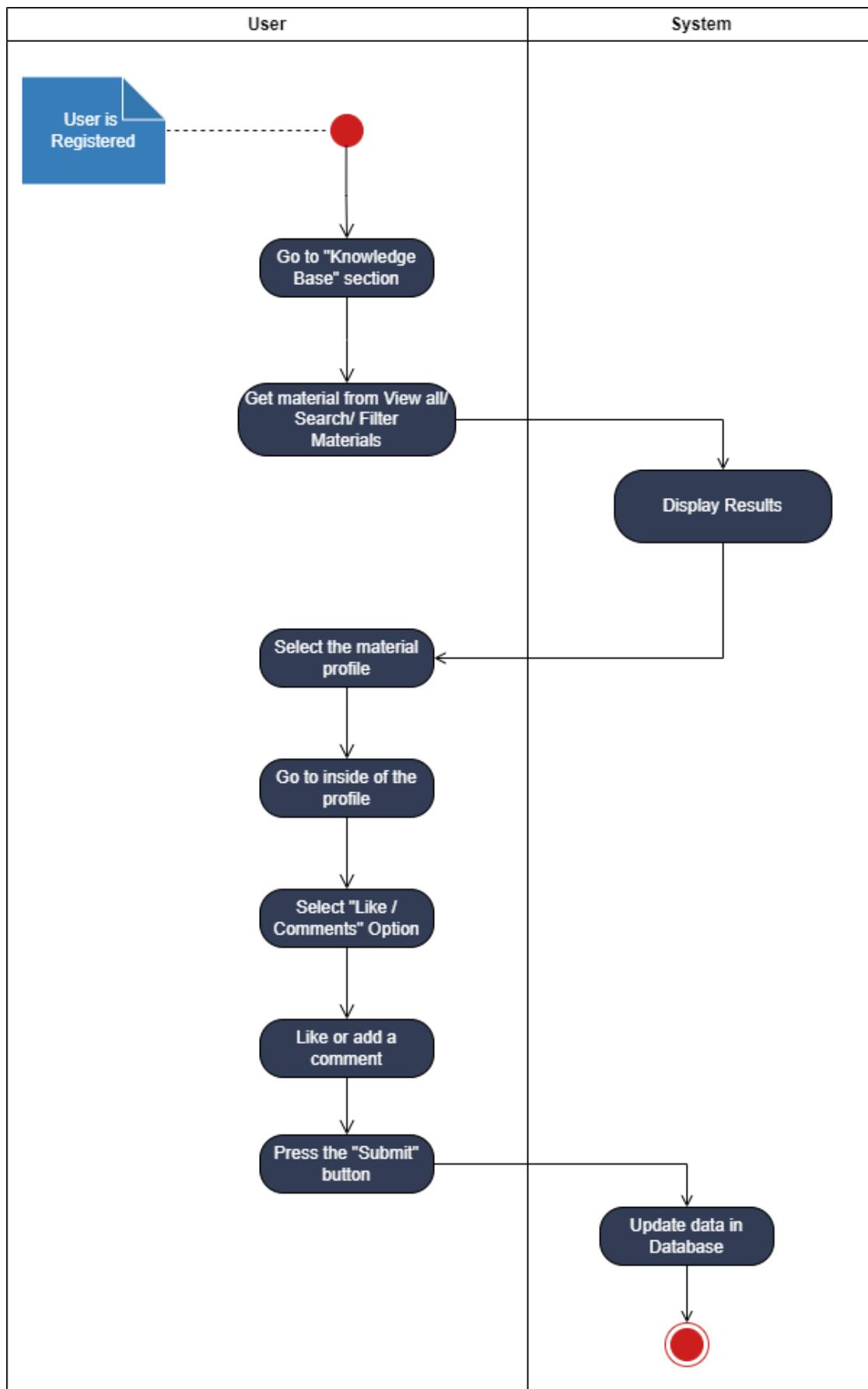


Search Filter Materials

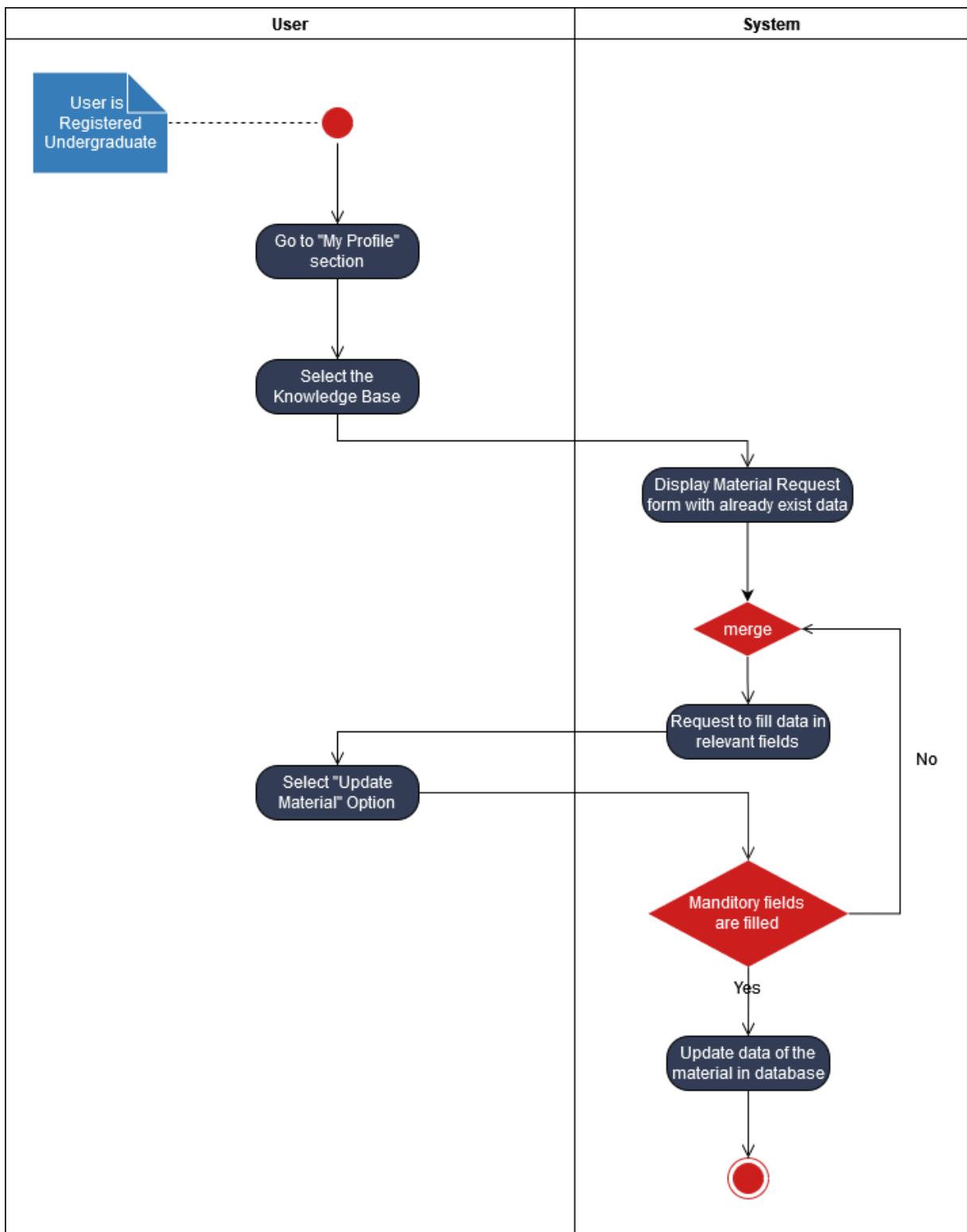


View Specific Materials

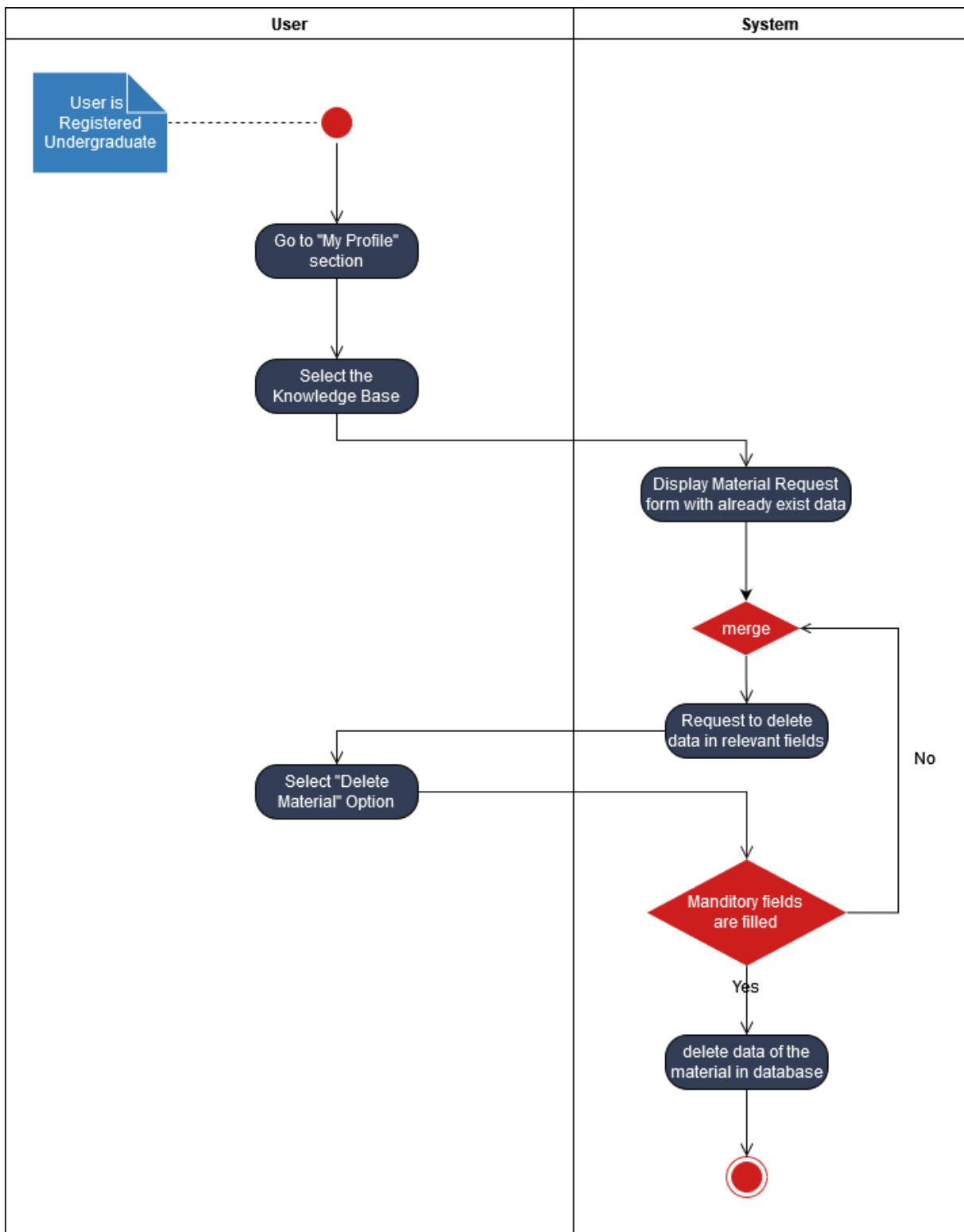


Likes/ Comments

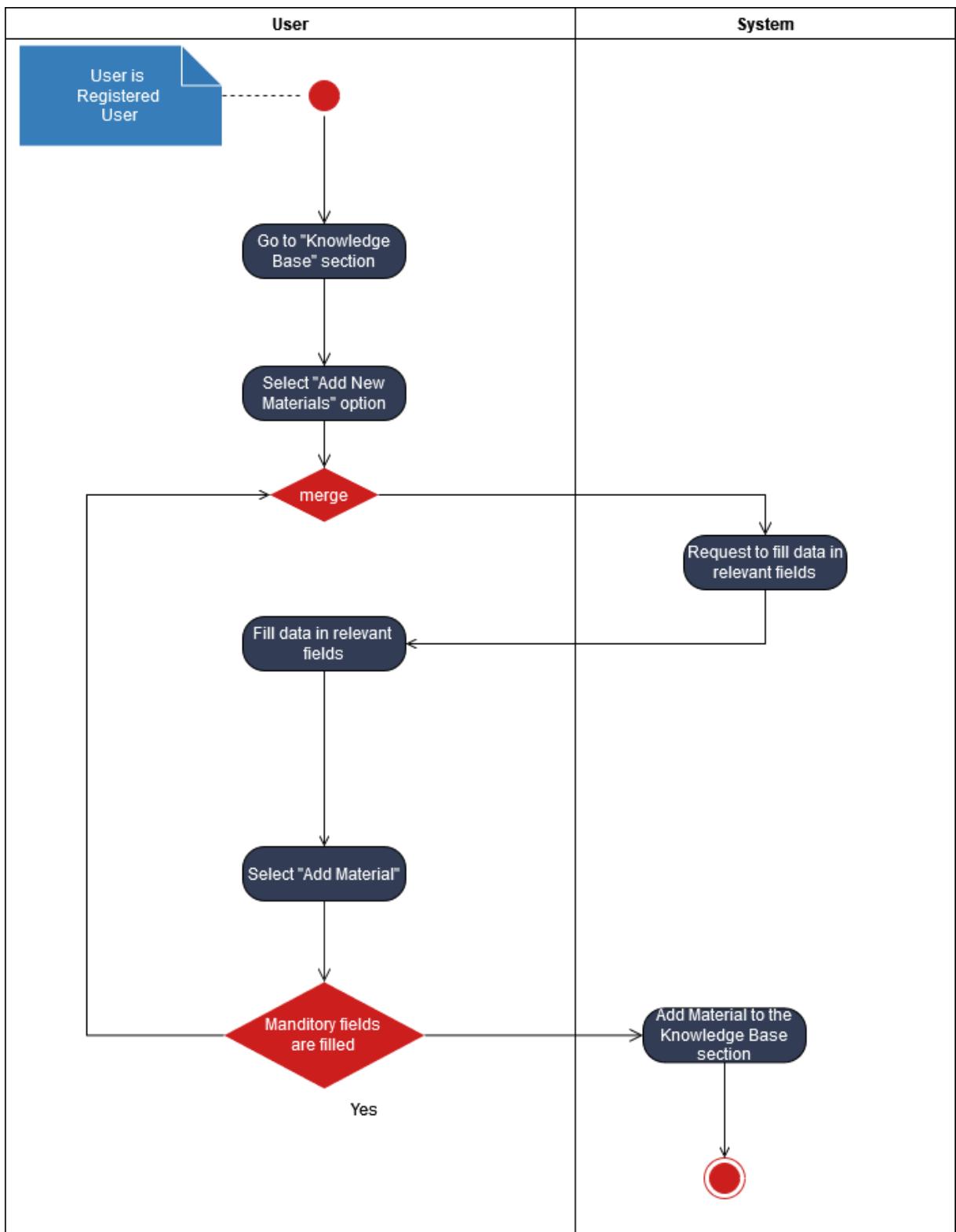
Request To Update

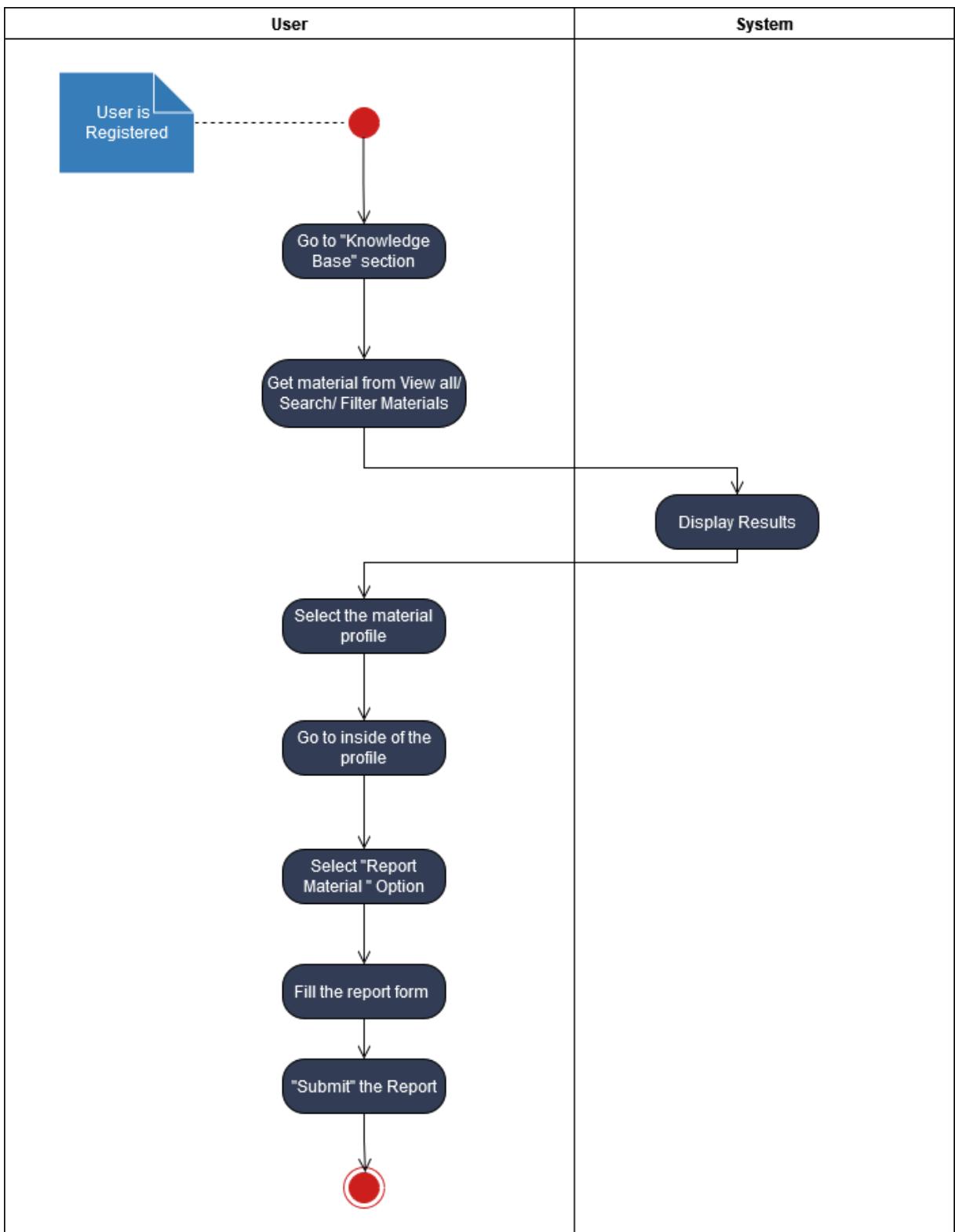


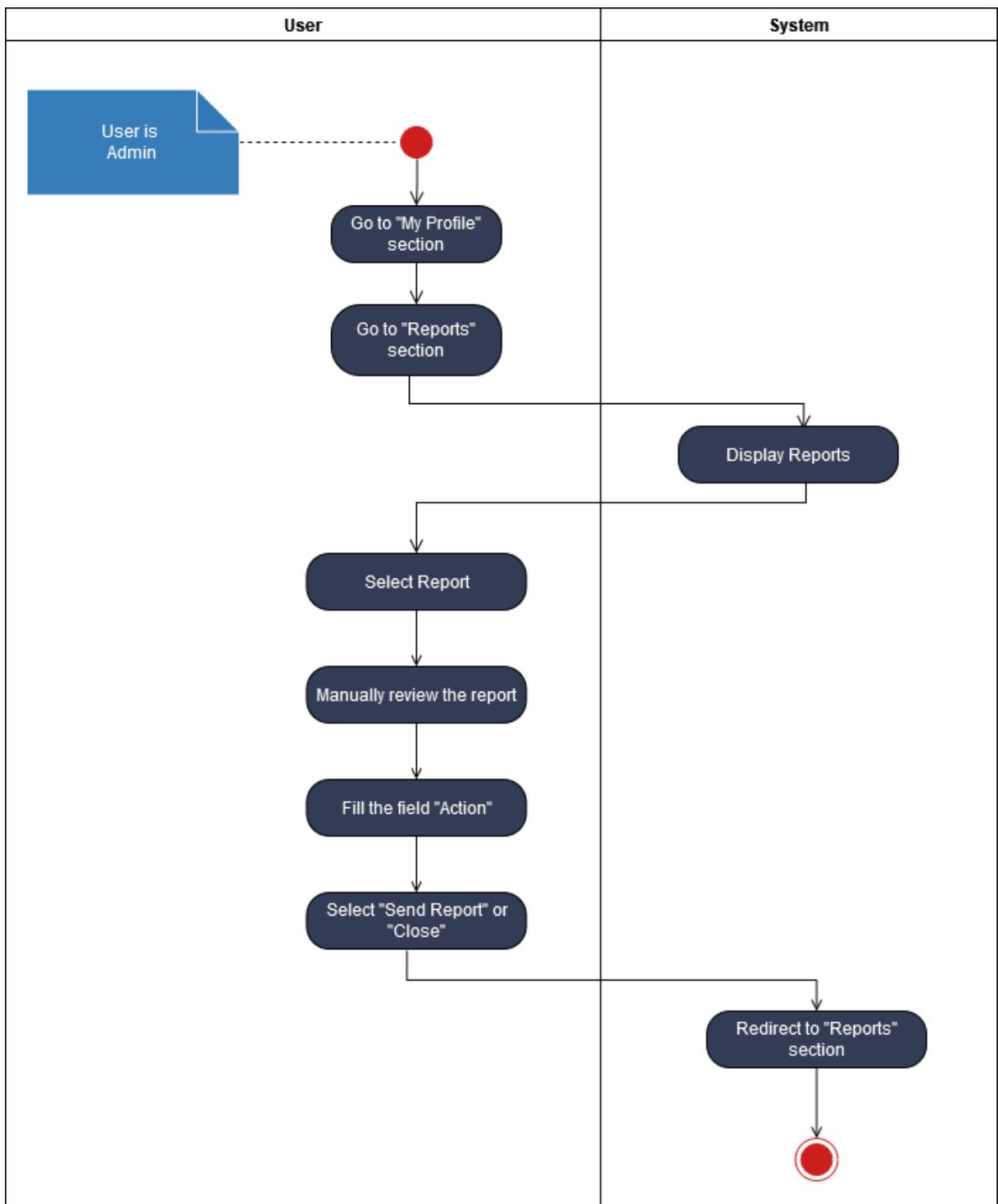
Request To Delete



Add Materials

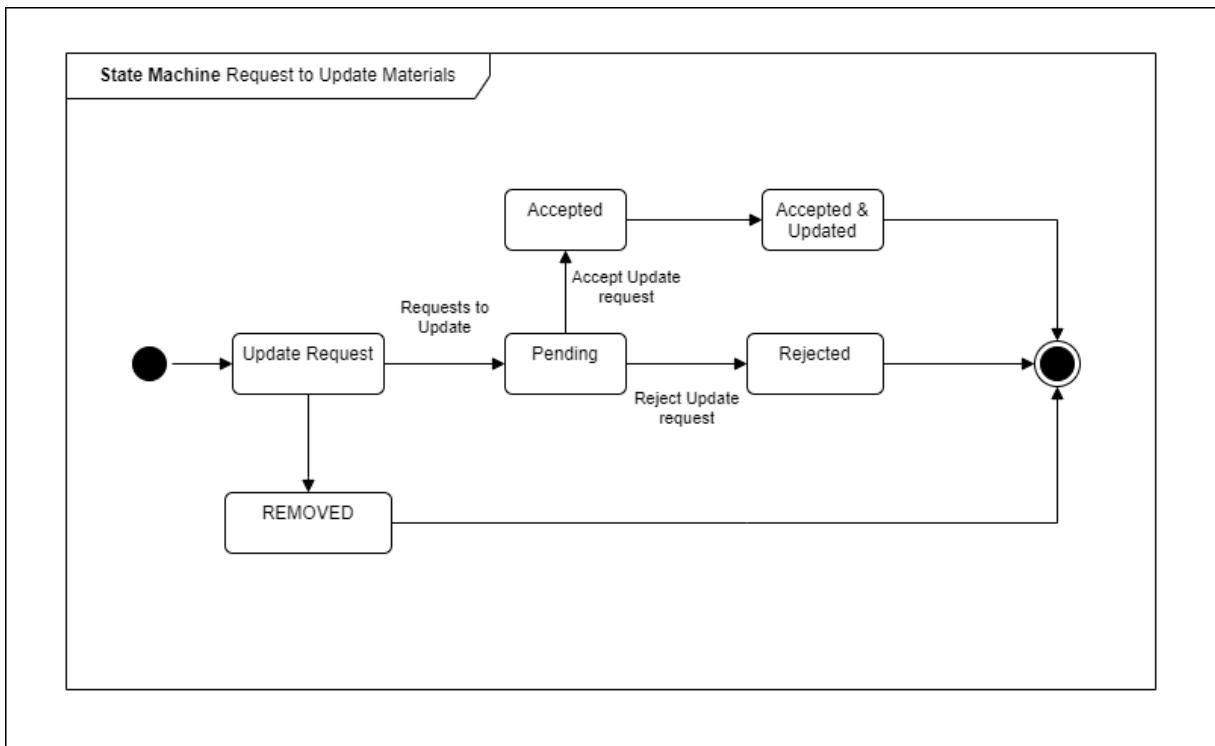


Report Materials

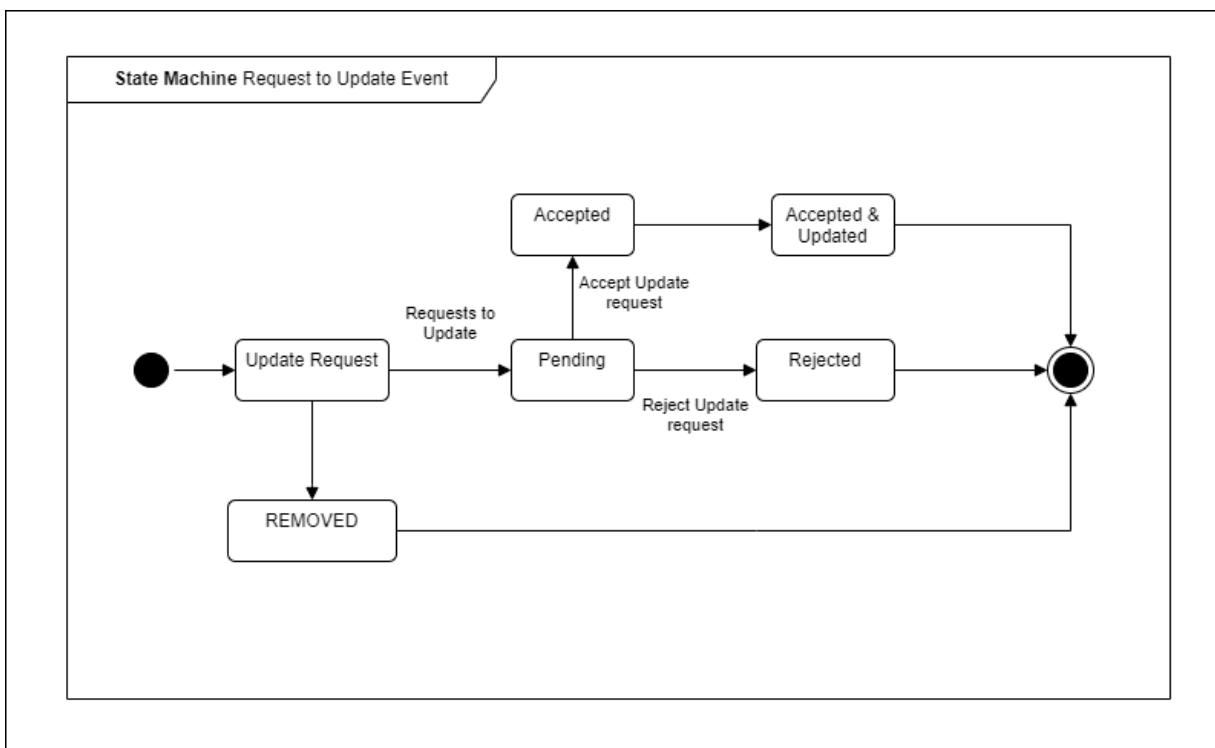
Review Report

10.5 State Transition Diagrams

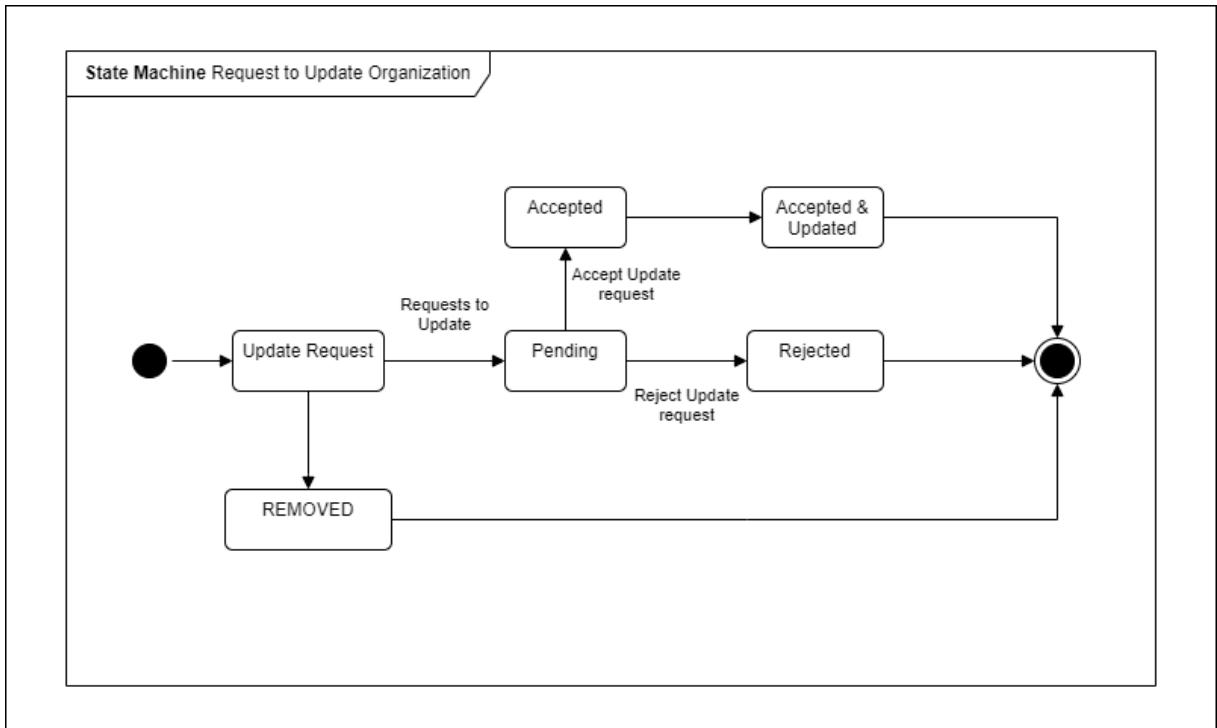
RequestToUpdateMaterials



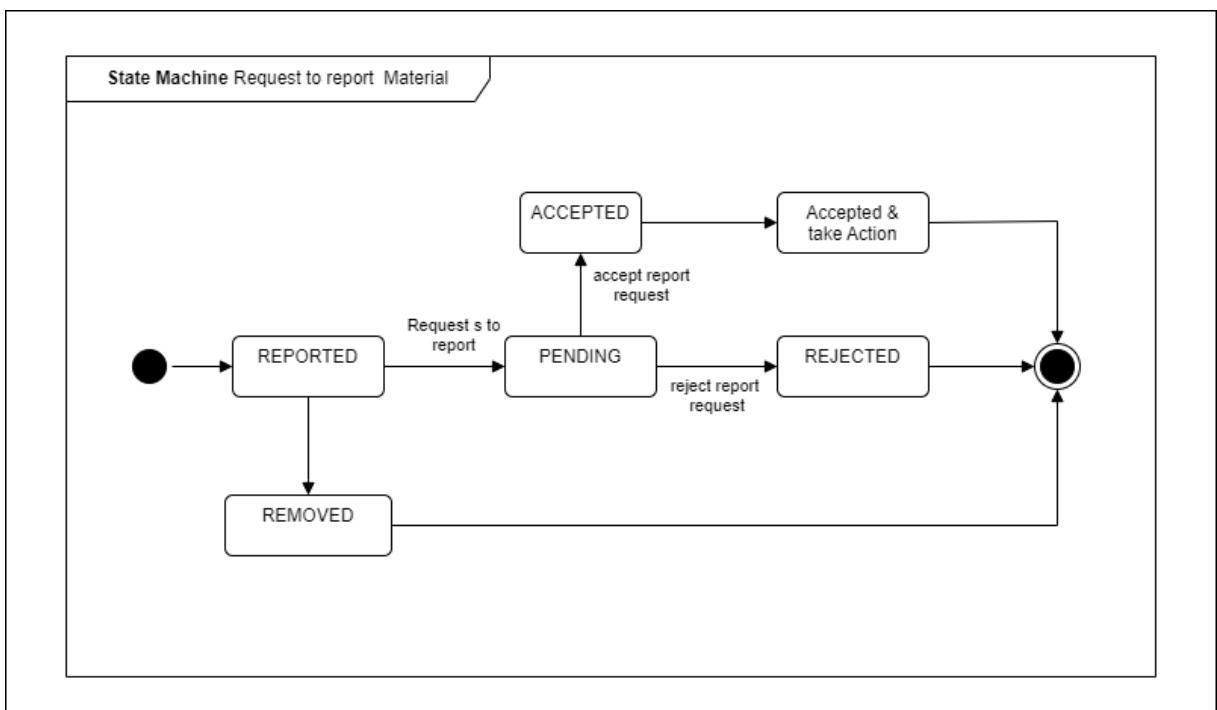
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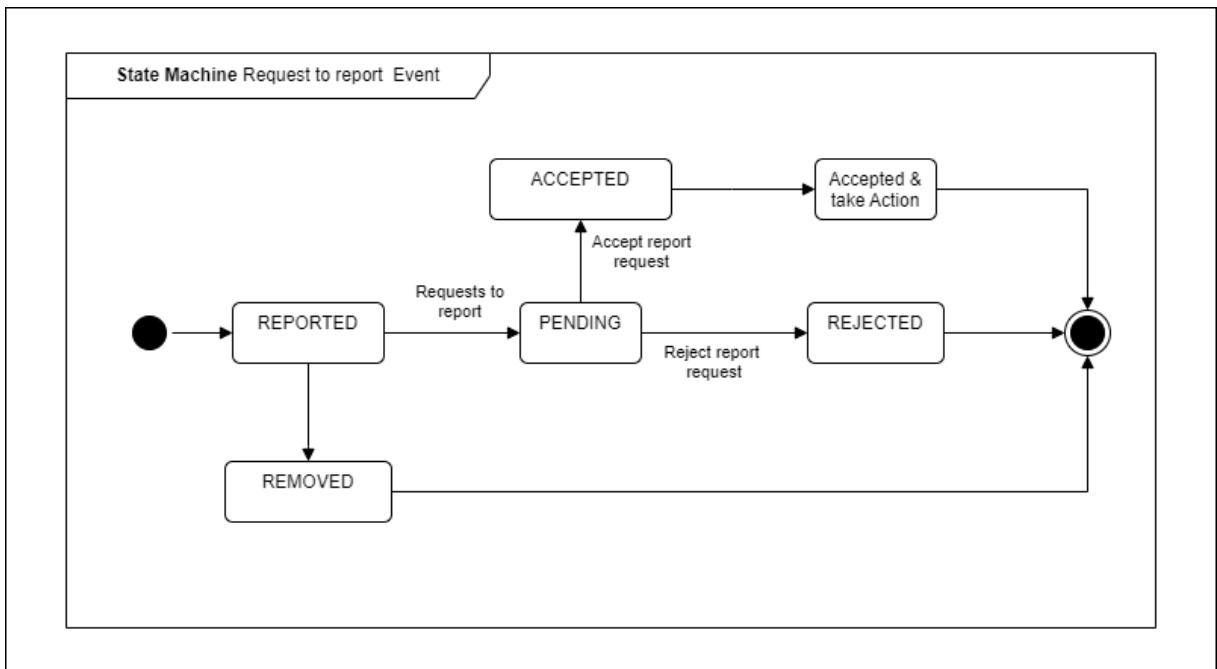
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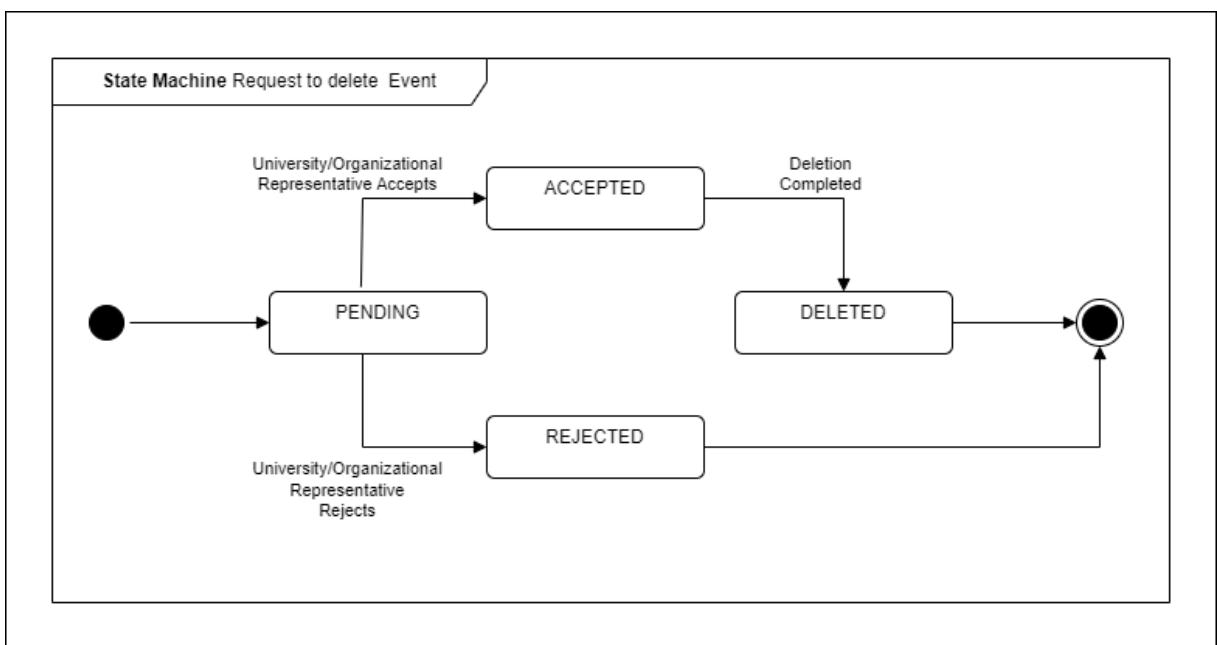
RequestToReportMaterial



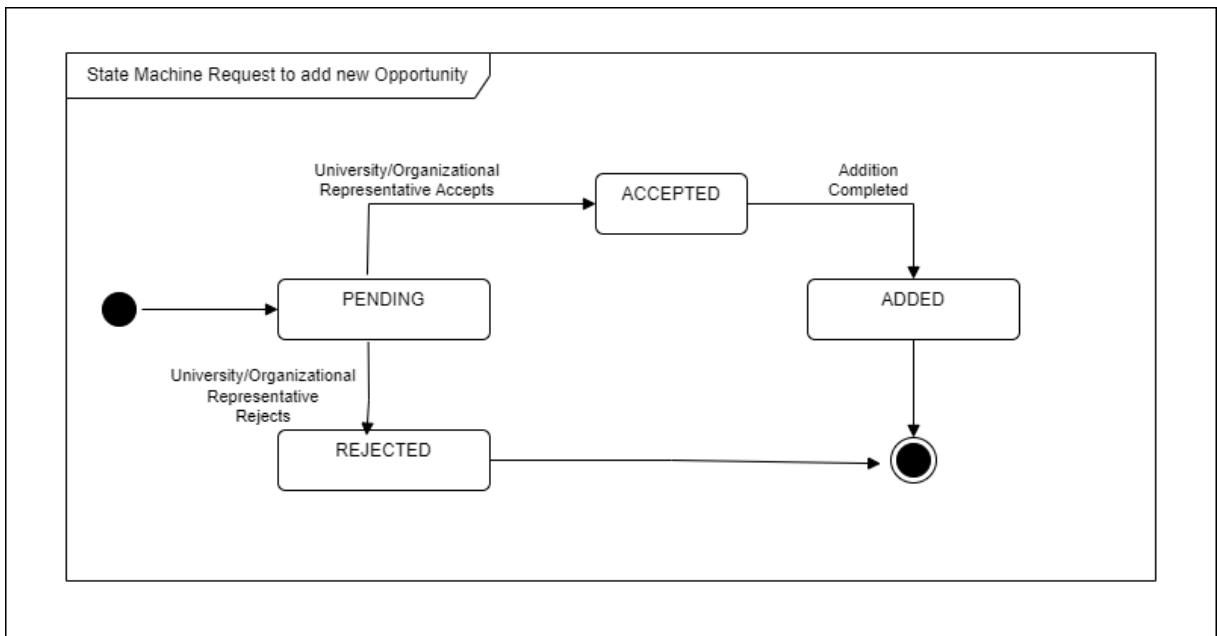
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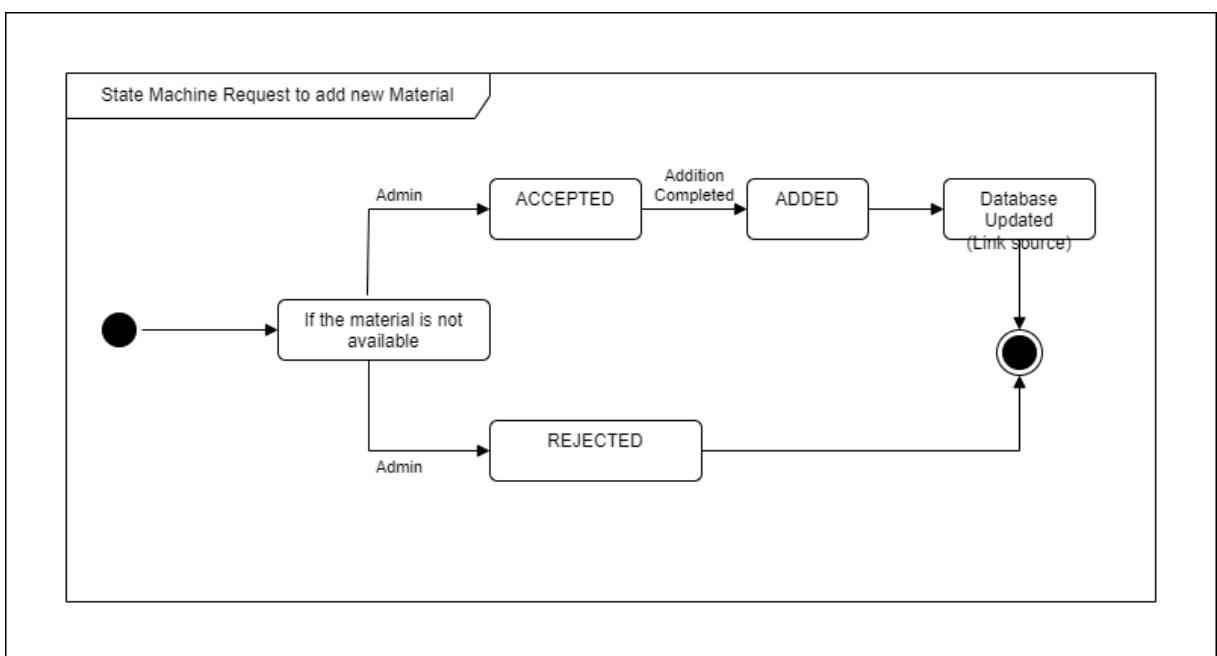
RequestToDeleteEvent

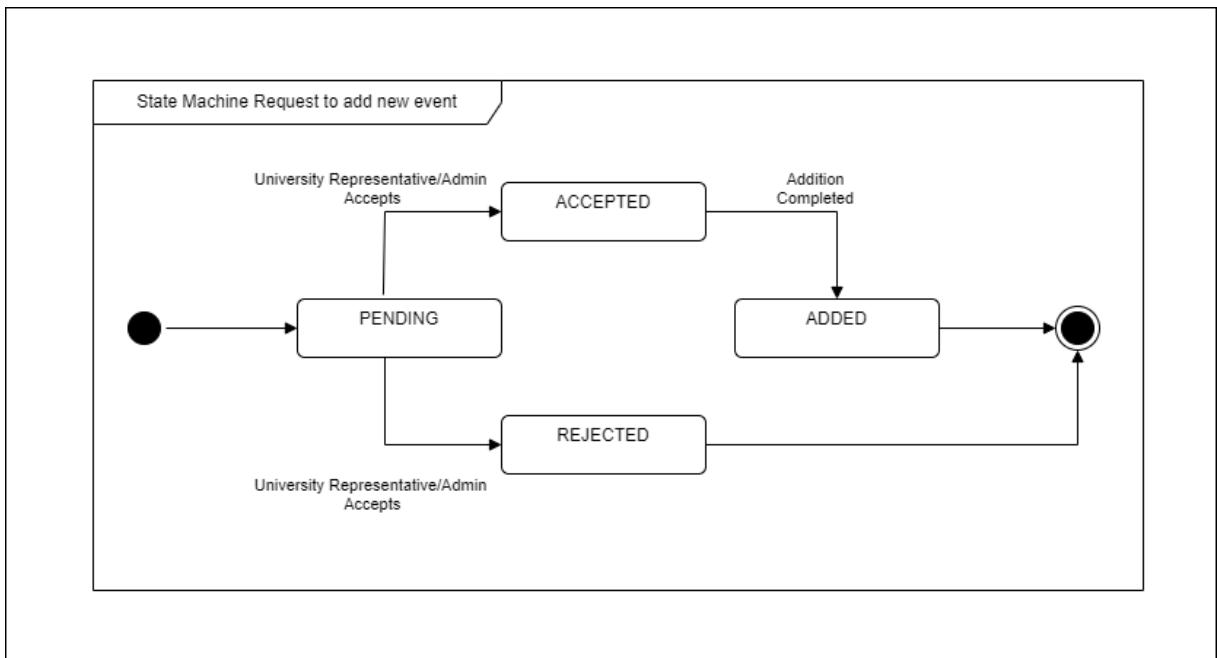


RequestToAddNewOpportunity



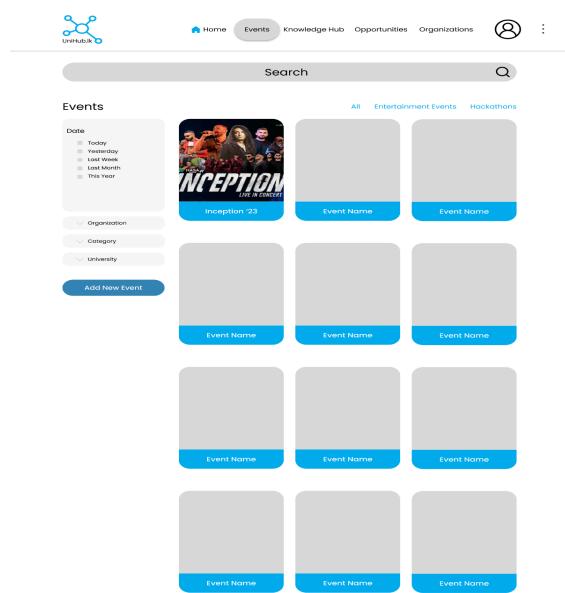
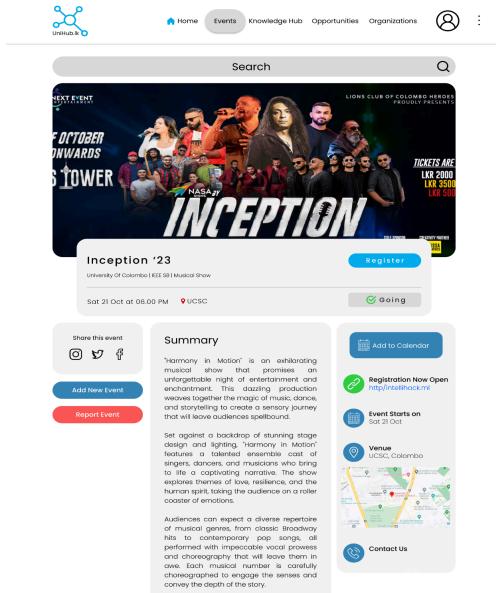
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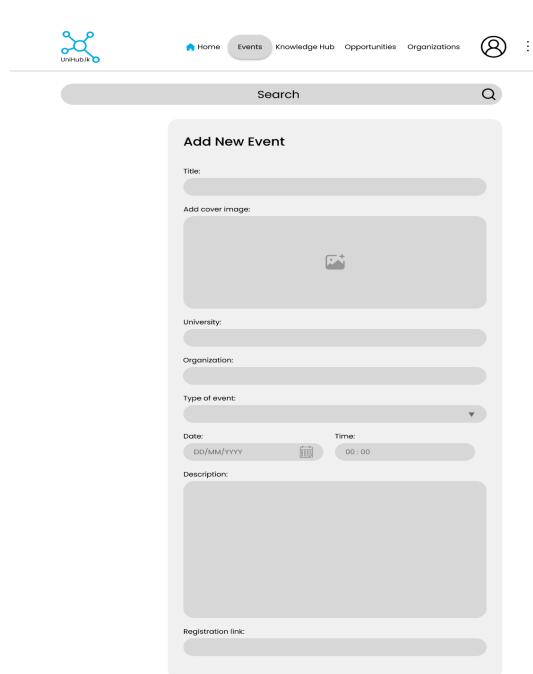
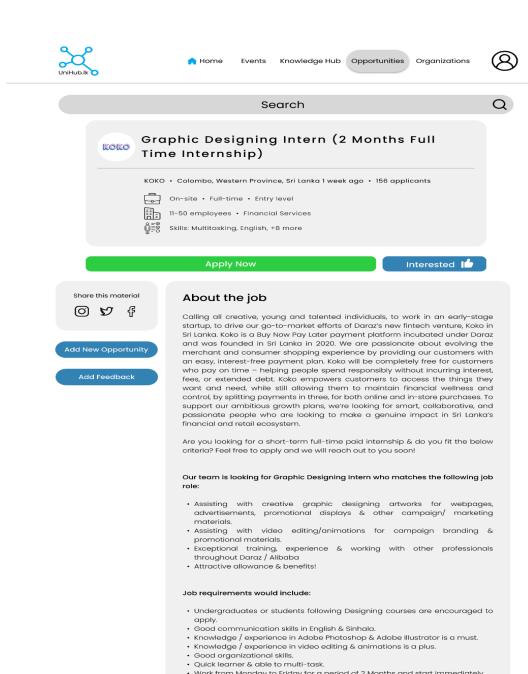
RequestToAddNewEvent

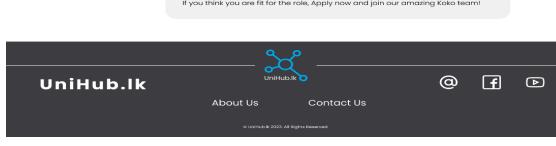
11) User Interface

11.1 Undergraduate



11.2 Registered User

The UniHub.lk website features a clean, modern design with a dark header and a light-colored footer. The header includes a logo, navigation links (Home, Events, Knowledge Hub, Opportunities, Organizations), and a search bar. The footer contains links for About Us, Contact Us, and social media icons. The main content area displays various sections: Knowledge Hub, Events, Opportunities, and Organizations, each with a 'Show more' button. A central 'Add New Material' button is visible in several sections. The website is optimized for mobile devices, as indicated by the responsive layout and the use of icons for social media sharing.



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Sat 21 Oct at 06:00 PM UCSC

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More than a year later, the \$20B Adobe-Figma deal is still stuck in regulatory limbo

Sat 21 Oct at 06:00 PM By User123

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In September 2022, Adobe acquired the design platform Figma for \$20 billion. It was a huge chunk of money for a startup that had recently been valued at just that amount, and it was a deal that would make sense for both companies. But the deal faced significant regulatory challenges, and it first had to pass regulatory muster — and that has proven stubbornly difficult. In the time since the deal was announced, regulators have imposed increasingly stringent rules. A year is a long time in the tech world. Figma hasn't been able to move forward with its plans to expand its user base and the platform, hiring 500 new people since the deal was announced for a total of 1,300 employees.

The company also hosted the Coding conference in June, attracting more than 8,000 attendees to the event where it announced a new developer model, including a new API and a new way to build and host web applications. By representing a new era for both companies, it could make Figma even more attractive to potential buyers.

Regardless, when the deal was announced, there were immediate questions about whether Adobe was acting as a *bad competitor* of the market using their market power to force Figma to sell. The regulators in the US and the EU could be 'up' to the regulators to make that determination, however, and they have been reviewing the deal for a long time. In the meantime, the good chunk of the last year on decisions going to talk to various regulatory bodies, trying to figure out what's going on.

While the two companies can't speak to each other — they both operate entirely independently throughout this process — it doesn't stop Figma from writing a blog post about the deal. In fact, it's doing just that. The company is writing more, especially since in the interim, Adobe added Figma's generative AI offering to the company.

What's the holdup?

When a deal involves a company many perceive to be a competitor that has succeeded in the market, it's natural for regulators to take a closer look. And when a truckload of dough is changing hands, well, it's going to get a closer look.

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Comments

Great Article

Very interesting! Having been following your blog for sometime now, keep up the great work!

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More than a year later, the \$20B Adobe-Figma deal is still stuck in regulatory limbo

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INCEPTION

Sat 21 Oct at 08:00 PM @ UCSC

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Summary

'Harmony in Motion' is an exhilarating musical show that promises an unforgettable night of entertainment and enchanting performances. The production weaves together the joys of music, dance, and storytelling to create a sensory journey that will leave audiences spellbound.

Set against a backdrop of stunning stage design and lighting, 'Harmony in Motion' features a dynamic cast of singers, dancers, and musicians who bring to life a captivating narrative. The show explores themes of love, resilience, and the human spirit, leaving the audience on a roller coaster of emotions.

Audiences can expect a diverse repertoire of musical genres, from classic Broadway hits to contemporary pop songs, all performed with impeccable vocal prowess and energetic choreography that will have them in awe. Each musical number is carefully choreographed to engage the senses and convey the depth of the story.

Registration Now Open <http://inception.lk>

Event Starts on Sat 21 Oct

Venue UCSC, Colombo

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More than a year later, the \$20B Adobe-Figma deal is still stuck in regulatory limbo

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The company also hosted the Config conference in June, attracting more than 10,000 attendees. The deal was announced in June 2022, after Adobe had already put the bid in front of developers for the first time. While developers remained skeptical of the deal, it was clear that it was a move that would be attractive to Adobe if the deal went through.

Nevertheless, when the deal was announced, there were immediate questions about whether it was a good idea. They had concerns about the market share and force market power, or if it was filling a missing piece in its product line. It would be interesting to see if Adobe's decision to keep Figma as a separate entity and not immediately want to work with Adobe and Figma's representatives have gained ground among the developer community. It would be interesting to see if Adobe is trying to convince them that the deal is a bad, not only for them, but for the developer community.

What's the holdup? When a deal involves a company, many perceive it to be a competitive, not just a financial, move. They have concerns about the needs and goals of a significant move, and where a flood of dough is changing hands, well, it's going to get...

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Comments

Great Article

Very interesting! Having been following your blogs for sometime now. Keep up the great work!

Add new comments

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11.3 Unregistered User

AIESEC in University of Colombo Local Committee is a part of AIESEC in Sri Lanka that is working towards making the AIESEC goals of leadership and leadership opportunities available to the undergraduates in University of Colombo so that they could make a positive impact on the Sri Lankan community as well as the world.

Description

Upcoming Events

- Insight 2023
- GramFest 2023
- RevolUX 3.0
- Excellentia

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University of Colombo | IEEE 581 Musical Show

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Address: _____

Contact Number: _____

NIC Number: _____

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University of Colombo | IEEE 581 Musical Show

Sat 21 Oct at 08:00 PM UCSC

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Summary

"Memory in Motion" is an exhilarating musical show that promises an unforgettable night of entertainment and enchantment. This dazzling production weaves together the art of music, dance, and storytelling to create a sensory journey that will leave audiences spellbound.

Set against a backdrop of stunning stage designs and lighting, "Memory in Motion" features a diverse ensemble of singers, dancers, and musicians who bring to life a captivating narrative. The show explores themes of love, resilience, and the human spirit, taking the audience on a roller coaster of emotions.

Audiences can expect a diverse repertoire of musical genres, from classic Broadway hits to contemporary pop songs, all performed with passion, energy, and precision. The choreography is both dynamic and expressive, featuring intricate footwork, synchronized movements, and choreography that will leave them in awe. Each musical number is carefully choreographed to engage the senses and convey the depth of the story.

Registration Now Open <http://unihub.lk/23>

Event Starts on Sat 21 Oct

Venue UCSC, Colombo

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11.4 Categorized View of all User Interfaces

Link: [Figma File](#)

12) Technologies to be Used

12.1 Main Technologies

Frontend

- HTML
- CSS
- JavaScript

Backend

- PHP

Database

- MySQL

12.2 Other Technologies

Web server

- Apache Tomcat

Version control and Repo.

- GitHub

Diagram and modeling

- draw.io

APIs

- Google Calendar API
- Google Maps API
- Google sign-in
- Javamail API

UI/UX and prototyping

- Figma

IDEs and other tools

- IntelliJ IDEA
- Visual Studio Code
- Sublime Text

Project Management

- Jira

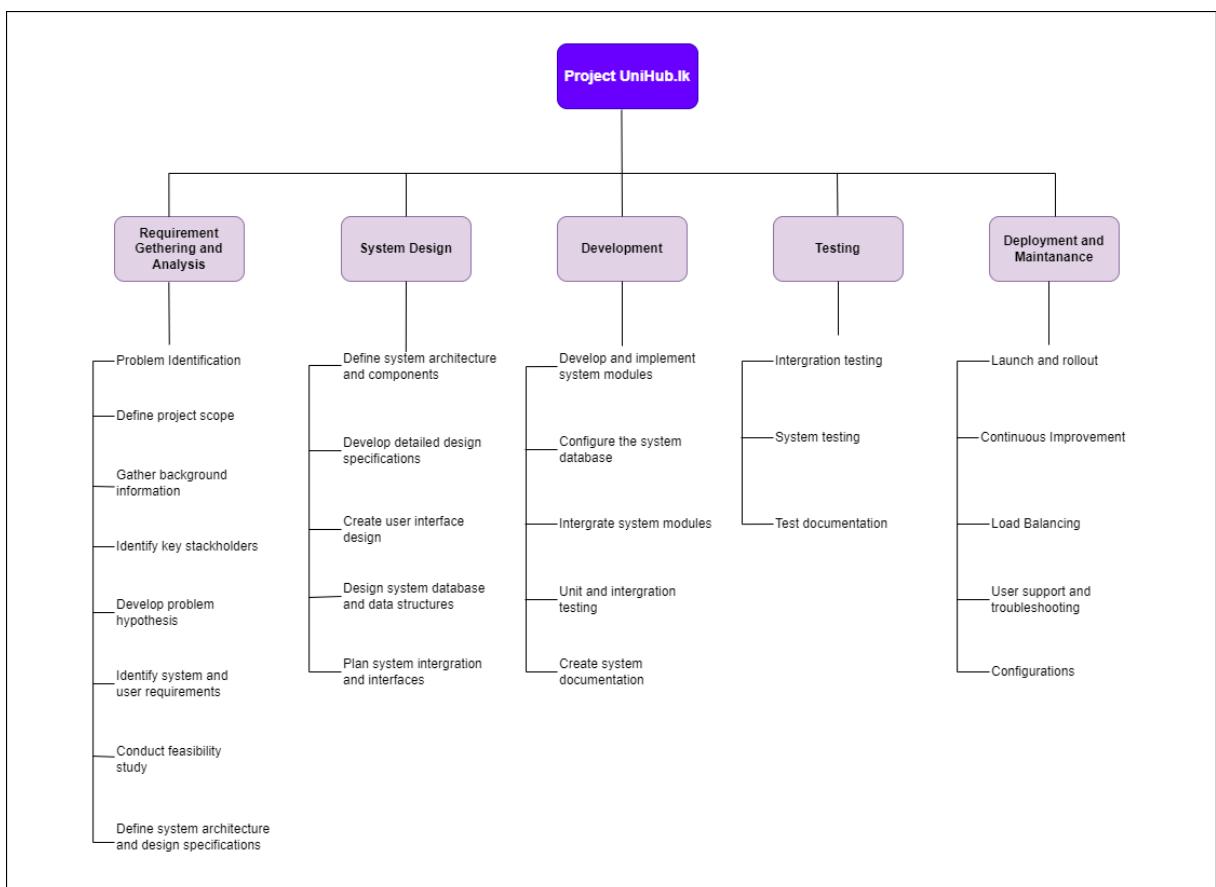
Collaboration

- Zoom
- Google Meet

13) Project Timeline

| DETAILS | | 2023 | | | | | | | | | | | | 2024 | | | | | | | | | | | | | | | | | |
|--------------------------|-------------------------|------|---|---|-----|---|---|-----|---|---|-----|---|---|------|---|---|-----|---|---|-----|---|---|-----|---|---|-----|---|---|-----|--|--|
| | | JUL | | | AUG | | | SEP | | | OCT | | | NOV | | | DEC | | | JAN | | | FEB | | | MAR | | | APR | | |
| PROJECT WEEK: | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| Requirement Engineering | - Requirement Gathering | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - Requirement Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - Scope Identification | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - Feasibility Study | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - UML | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - Project Proposal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Design | - UI Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - Database Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - SRS Document | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - Intern Presentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deployment & Maintenance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

13.1 Work Breakdown Structure



13.2 Workload Distribution

| | Requirement Analysis | Design and Development | Testing | Maintenance |
|-----------|--|--|--|--|
| Tharindra | | Event Section and Opportunity Section | | |
| Chathuni | Project Scope Analysis UML Diagrams Requirement Analysis Feasibility Study Choosing Technology Stack Project Timeline | Organizations Section User profiles section & Sign up/ Sign in Knowledge Hub Section | Unit Testing Integrate Testing System Testing Alpha Testing Beta Testing | Improve UI/ UX Correct System Faults Further Enhancements Improve System Security |
| Viruli | | | | |
| Jananga | | | | |

14) Appendix

14.1 Responses for the Survey

[Social feasibility survey](#)

14.2 Project timeline

[Project Timeline](#)