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Assignment 3

Use Case: Add Help Us! Information
ID: 32
Risk Level: Low
Description: Through WordPress, the client will be able to add information into the Help Us! Tab. The administrator will access the CMS and use it to add information needed.
Primary Actors: System Administrator
Basic Flow: The use case is initiated when the system administrator decides that new information or additional information needs to be edited in the Help Us! Section. This action would be performed through WordPress and will add information displayed to the user.
Alternative Flows: None
Preconditions: The system administrator will need to have access to the content management system to perform this.
Postconditions: The system administrator may expect new information to be inserted into the system. This should take immediate effect on the system
Special Requirements: None

Use Case: Delete Help Us! Information
ID: 33
Risk Level: High
Description: With the content management system, the administrator will be able to delete information in the Help Us! Tab. Information may not be needed and may be crucial to users.
Primary Actors: Organization
Basic Flow: The use case initiated occurs when the system administrator decides to delete information within the section the use case is describing. Information here would be altered through the CMS, WordPress.
Alternative Flows: None

Preconditions: The system administrator must have access to the content management system to perform this action
Postconditions: The system will present information in a different manner.
Special Requirements: None

Use Case: Create Application
ID: 34
Risk Level: Low
Description: This use case describes a user's interest in completing a Help Us! Application. This will occur through the WordPress website and the user will fill out a form.
Primary Actors: User
Basic Flow: This use case is initiated through WordPress and the user will view the website. Users will be greeted with the tab and be given the option to complete a form.
Alternative Flows: Creating an application could take place in another manner. Direct contact to the client could occur for those in need of help for completing the application.
Preconditions: The system will not necessarily be affected since the user will view it in essentially a read-only mode.
Postconditions: The system will shortly receive that an application has been created by a user.
Special Requirements: Nonfunctional requirements concerning security will be established. The CMS will need to maintain a secure status to protect user information.

Use Case: Delete Applications
ID: 35
Risk Level: High
Description: Through WordPress, the system administration can delete applications if deemed necessary.
Primary Actors: Organization

Basic Flow: The organization will access the content management system and use previous use cases to determine whether the application will be deleted. This is discretionary to the system admin if it is deemed necessary.
Alternative Flows: None
Preconditions: An applicant's information in the Help Us! Section will be stored within the system
Postconditions: The system will be altered in the sense that the system administrator has deleted a potential Help Us! applicant.
Special Requirements: None

Use Case: Submit Applications
ID: 36
Risk Level: Low
Description: After users have completed their applications, they will be able to submit them to the client. This will occur through WordPress and the client will receive them. The purpose of this application is to express interest in volunteering for the client.
Primary Actors: User
Basic Flow: Execution of this use case will occur through WordPress. The user will need access to the site and an application. Once information has been inserted, the user will be able to submit the application to the client.
Alternative Flows: None
Preconditions: WordPress is a precondition to this use case. The user will have an application that displays their interest in volunteering.
Postconditions: After submission, the user will have completed their part and the system will be altered in the sense that a new application has been received.
Special Requirements: Nonfunctional requirements concerning security will be established. The CMS will need to maintain a secure status to protect user information.

Use Case: Show Volunteer Positions
ID: 37

Risk Level: Low
Description: The organization will use the content management system to display volunteer positions within the Help Us! Section of the website. The purpose of this is to allow users to explore the volunteer opportunities that the client has to offer.
Primary Actors: Organization
Basic Flow: Execution of this use case will require that the system admin use WordPress. From there, the admin will add volunteering positions to display to upcoming users.
Alternative Flows: None
Preconditions: The preceding system will show a website without information regarding volunteering opportunities. The system admin will also need to use WordPress as a precondition to completing this matter.
Postconditions: After showing positions, the system will present an altered page to the users.
Special Requirements: None

Use Case: Add Volunteer Information
ID: 38
Risk Level: Low
Description: Within the application process, users can volunteer information. This information may concern their name, phone number, and areas of interest. The CMS will be responsible for taking in this information through the Help Us! Section of the system
Primary Actors: User
Basic Flow: This use case will be initiated through the content management system and will allow for users to input information into the sections necessary for the application. The system will store this information.
Alternative Flows: None
Preconditions: Information regarding the applicant will be nonexistent within the system.
Postconditions: The system will be altered due to the added information. Information will be stored based on the user's input.
Special Requirements: None

Use Case: Edit Volunteer Information
ID: 39
Risk Level: Low
Description: Once the Help Us! Application is created, users will have the opportunity to edit their information. Information from the user may be incorrect giving the user a need to correct it for accuracy.
Primary Actors: User
Basic Flow: The user will need access to the website/WordPress and their current application to edit personal information. Once accessed, the user is able to change information as needed.
Alternative Flows: None
Preconditions: Information will be presented within the application and the user may have information that needs changed.
Postconditions: The system will be altered within the user's application
Special Requirements: None

Use Case: Delete Volunteer Information
ID: 40
Risk Level: High
Description: With this use case, personal information within the Help Us! Application may need to be deleted. Information regarding the user could be incorrect, causing the user to delete the information and potentially replace it. For example, the user may have decided to delete areas of interest.
Primary Actors: User
Basic Flow: The flow of this will occur through the content management system, WordPress. Users will access the website and their application and will be able to delete information to their liking.
Alternative Flows: None
Preconditions: Current information on the system's user application will remain unaltered.
Postconditions: The system will present altered information within the user's application.

Special Requirements: None

Use Case: Add Availability
ID: 41
Risk Level: Low
Description: Through WordPress, the system administrator will be able to display volunteer availability. The purpose of this is to inform users about availability for users to volunteer.
Primary Actors: System Administrator
Basic Flow: The use case is initiated when the system administrator makes the decision to add times for volunteers. This action will be performed through the content management system, WordPress, and will present volunteer times for the user.
Alternative Flows: None
Preconditions: The system will need access to the content management system. Our client's system will need to present a state where adding availability times is needed.
Postconditions: The system will be altered and display availability times.
Special Requirements: None

Use Case: Edit Availability
ID: 42
Risk Level: Low
Description: Through the content management system, WordPress, the system administrator will be able to edit availability times within the Help Us! Section. The purpose of this is to edit current availability times if deemed necessary by the client.
Primary Actors: System Administrator
Basic Flow: In order to execute this use case, the system administrator will need to access WordPress. Importantly, the client will need to make the decision whether availability times need to be edited.
Alternative Flows: None

Preconditions: The client will need access to WordPress to perform this function. The current, precondition system will display old availability times.
Postconditions: The system will present altered availability times.
Special Requirements: None

Use Case: Delete Availability
ID: 43
Risk Level: High
Description: Using the content management system, WordPress, the system administrator will be able to delete availability times in the volunteer section of Help Us!. The purpose of this is to create an updated version of availability times if current availability is not possible to the client.
Primary Actors: System Administrator
Basic Flow: Execution of this use case will occur through WordPress. The client will access WordPress and make the decision on whether availability times within the volunteer sections need to be deleted.
Alternative Flows: None
Preconditions: The system may present inaccurate availability times. Access to this will need to be through WordPress.
Postconditions: After changes have been made, the system will present an altered version within availability times.
Special Requirements: None.

Use Case: View Application Submissions
ID: 44
Risk Level: Low
Description: After applications have been submitted through WordPress, the organization will be able to view submitted applications.
Primary Actors: Organization
Basic Flow: The system administrator will need access to the content management system in order to view this information. The admin will initiate this use case when

they decide that viewing the applications is needed.
Alternative Flows: Applications may take a different approach depending on the user. The user could have directly contacted the client as a means for expressing interest and took an alternative route for submitting an application.
Preconditions: Submitted applications will be stored within the system. The system admin will need to access WordPress to view these applications.
Postconditions: Postconditions with this use case will alter the system.
Special Requirements: None

Use Case: Add Areas of Interest
ID: 45
Risk Level: Low
Description: Adding areas of interest allow for the user to choose volunteering positions that they may be interested in. This would take place during the application process in the Help Us! section.
Primary Actors: Users
Basic Flow: Execution of this process would require that the user access the webpage and the Help Us! Application. This would be through a WordPress website and the user will be able to select areas of interest.
Alternative Flows:None
Preconditions: Preconditions require that the system follow the WordPress website and that the user accesses the web page. The preceding system may display no information regarding the user's interest for positions.
Postconditions: After completing this section, the system will present a completed section for areas of interest within the Help Us! application.
Special Requirements: None

Use Case: Edit Areas of Interest
ID: 46
Risk Level: Low
Description: Adding areas of interest allow for the user to choose volunteering

positions that they may be interested in. This would take place during the application process in the Help Us! Section. Editing areas of interest serves the purpose to allow the user to change volunteering positions in the application. Maybe a certain position does not fit their volunteering criteria and needs changed.

Primary Actors: User

Basic Flow: Execution of this activity may take place in the CMS where the user will access the webpage/application. From there, the user can edit their interest as needed.

Alternative Flows: None

Preconditions: Criteria for interest may not be what the user wants or maybe the user wants to add more to their interest. The current system displays their current area of interest.

Postconditions: After editing, the user may have added or deleted areas of interest, thus, presenting an altered system.

Special Requirements: None.

Use Case: Delete Areas of Interest
ID: 47
Risk Level: Low
Description: Adding areas of interest allow for the user to choose volunteering positions that they may be interested in. This would take place during the application process in the Help Us! Section. Deleting an area of interest allows the user to completely remove a volunteering position from their application.
Primary Actors: User
Basic Flow: Execution of this use case will need to take place within the CMS. The user will access the webpage/application and delete areas of interest as necessary.
Alternative Flows: None
Preconditions: May show areas of interest that do not fit the criteria of the applicant and the user will need to delete them.
Postconditions: System will be altered within the application.
Special Requirements: None

**System Requirements and Trace Matrix:**

ID: SR025 - The Help Us! Page will allow the organization to add information

ID: SR026- The Help Us! Page will allow the organization to delete information
ID: SR027 - The help us page will allow users to create applications
ID: SR028 - The help us page will allow the organization to delete applications.
ID: SR029 - The help us page will allow users to submit applications
ID: SR030 - The help us page will show areas of volunteering
ID: SR031 - The help us application will allow users to insert personal information
ID: SR032 - The help us application will allow users to edit personal information
ID: SR033 - The help us application will allow users to delete personal information
ID: SR034 - The help us application will allow the organization to select availability
ID: SR037 - The help us application will allow the organization to edit availability
ID: SR038 - The help us application will allow the organization to delete availability
ID: SR039 - The help us section will allow the organization to view submitted applications
ID: SR040 - The help us application will allow users to select areas of interest
ID: SR041 - The help us application will allow users to edit areas of interest
ID: SR042 - The help us application will allow users to delete areas of interest

Trace Matrix

System Requirements

System Requirements	Add Help Us! Information	Delete Help Us! Information	Create Application	Delete Application	Submit Applications	Show Volunteer Positions	Add Volunteer Information	Edit Volunteer Information	Delete Volunteer Information	Add Availability	Edit Availability	Delete Availability	View Application Submission	Add Areas of Interest	Edit Areas of Interest	Delete Areas of Interest
ID: SR025 - The Help Us! Page will allow the organization to add information	x															
ID: SR026- The Help Us! Page will allow the organization to delete information		x														
ID: SR027 - The help us page will allow users to create applications			x													
ID: SR028 - The help us page will allow the organization to delete applications.				x												
ID: SR029 - The help us page will allow users to submit applications					x											
ID: SR030 - The help us page will show areas of volunteering						x										
ID: SR031 - The help us application will allow users to insert personal information							x									
ID: SR032 - The help us application will allow users to edit personal information								x								
ID: SR033 - The help us application will allow users to delete personal information									x							
ID: SR034 - The help us application will allow the organization to select availability										x						
ID: SR037 - The help us application will allow the organization to edit availability											x					
ID: SR038 - The help us application will allow the organization to delete availability												x				
ID: SR039 - The Help Us section will allow the organization to view submitted applications													x			
ID: SR040 - The help us application will allow users to select areas of interest														x		
ID: SR041 - The help us application will allow users to edit areas of interest															x	
ID: SR042 - The help us application will allow users to delete areas of interest																x

Use Case Diagrams:

**Use Case 32:** Add Help Us! Information **& Use Case 33:** Delete Help Us! Information
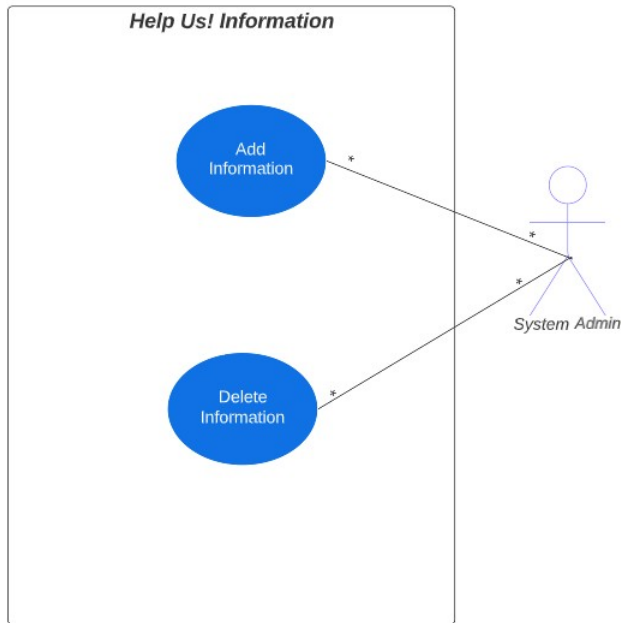
Narrative: The actor, system admin, can add and delete information regarding Help Us! Tab. This may consist of potential volunteer positions and other opportunities to help.

**Use Case 34:** Create Application **& Use Case 35:** Delete Applications
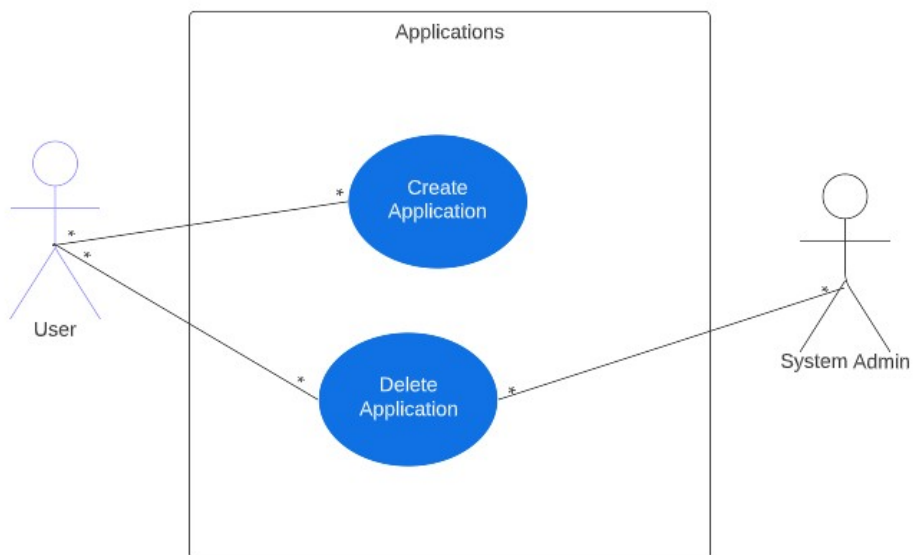
Narrative: This use case displays the user and system administrator. The user can create a multitude of applications and delete them if necessary. Deletion applies to System Administrator, if necessary, too.

Use Case 36: Submit Application
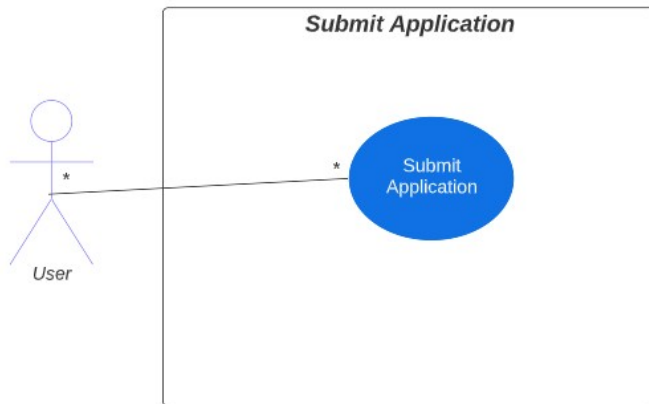
Narrative: Users will be able to submit their Help Us! Applications after completion.

Use Case 37: Show Volunteer Positions
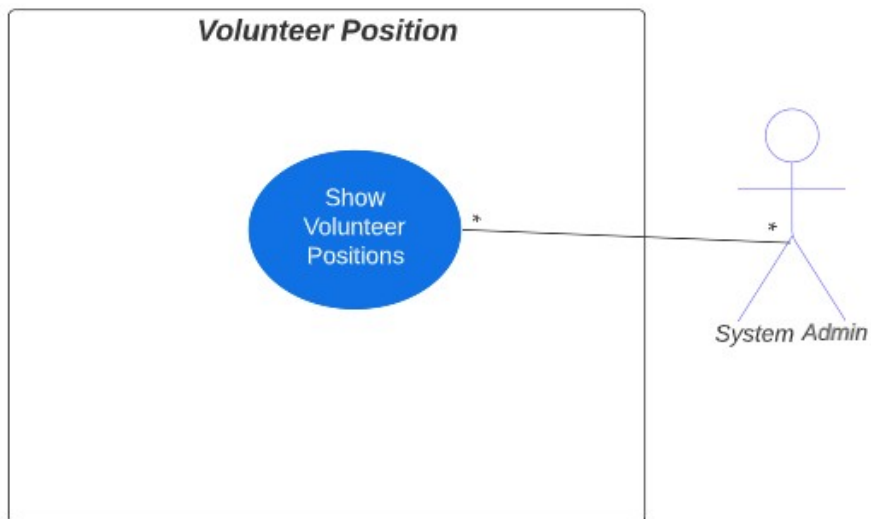
Narrative: System admin will be able to display volunteer positions within the Help Us! section.

Use Case 38: Add Volunteer Information **Use Case 39:** Edit Volunteer Information **& Use Case 40:** Delete Volunteer Information
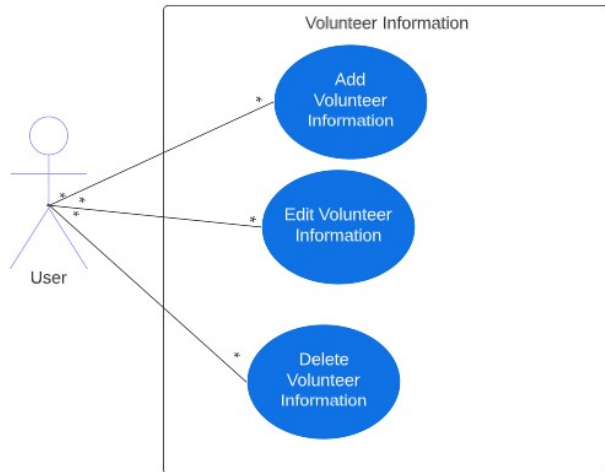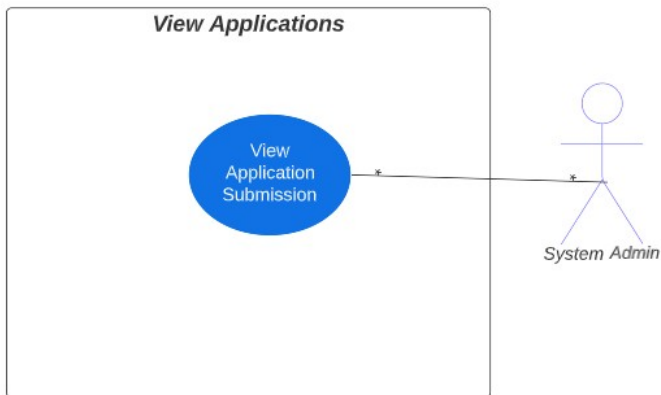
Narrative: The user will be able to add, alter, and delete volunteering information inside of the Help Us! Application.

Use Case 41: Add Availability**, Use Case 42:** Edit Availability**, & Use Case 43:** Delete Availability
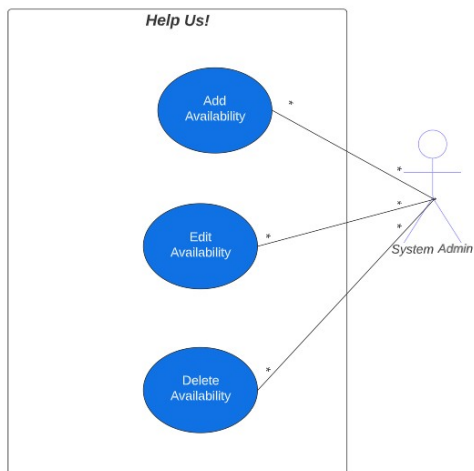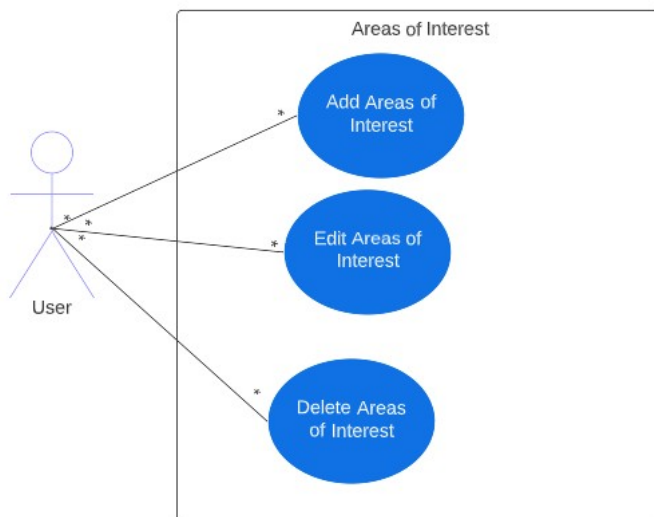

Narrative: The actor, System administrator, can add, edit, and delete availability times for volunteering opportunities.

Use Case 44. View Applications

Narrative: The System Admin will be able to view submitted applications from users.
Use Case 45 : Add Areas of Interest, **Use Case 46:** Edit Areas of Interest, **Use Case 47:** Delete Areas of Interest


Narrative: Users will be able to select areas of interest within the Help Us! Application.

Prototype:

Volunteer Information:

The Volunteer Information displays a user view of the website. We see that volunteer availability is stated along with information for the Help Us! Section. Additionally, volunteer positions are shown. These areas can be edited and deleted by the system admin as pleased.
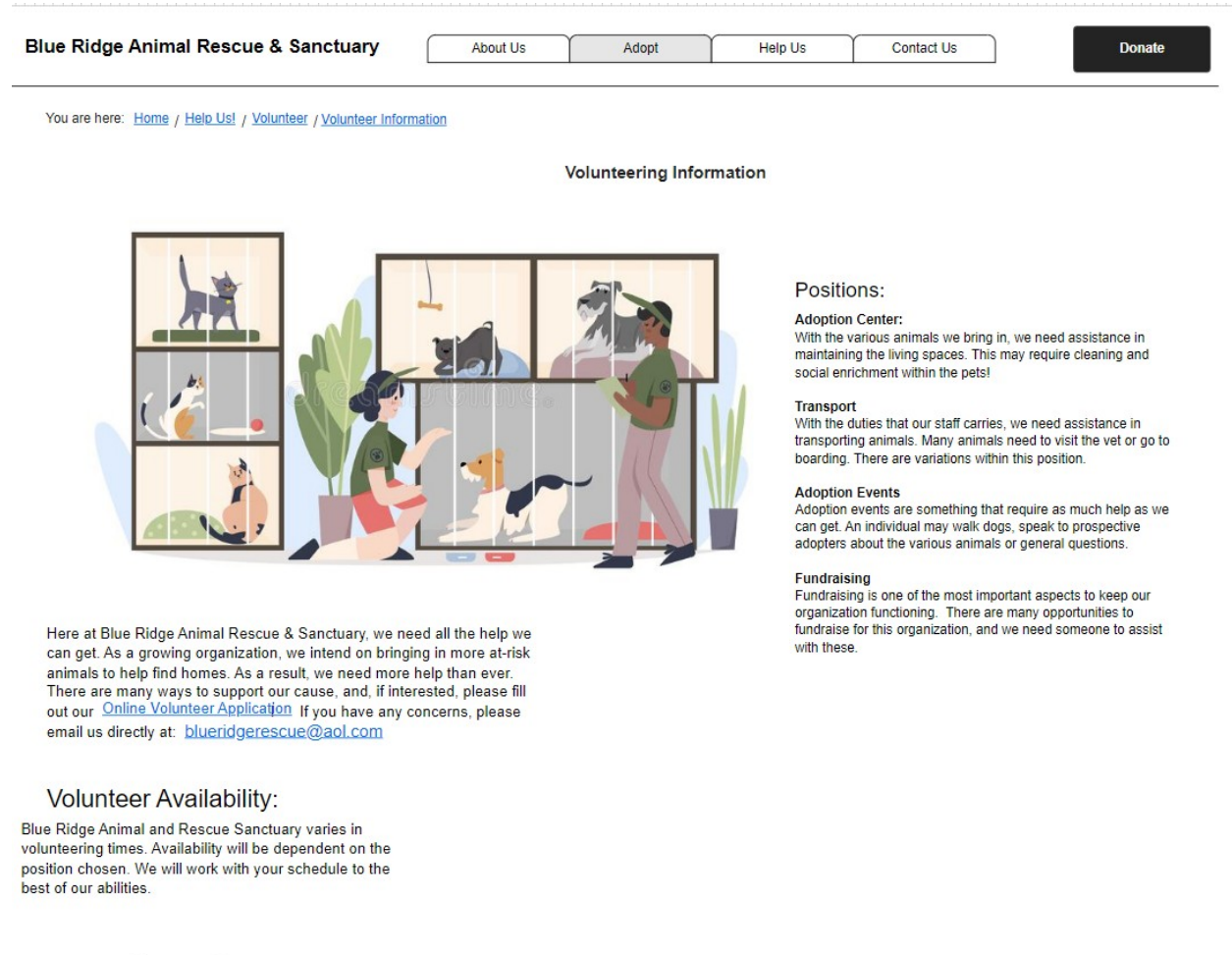
Volunteer Application:

The prototype below displays another user view of the volunteer application. As seen, a user can input volunteer information and change/delete as pleased. This also allows for the user to add areas of interest and gives them the option to alter those areas and submit the application once finished. The user will need to access the Help Us! Tab or volunteer information section in order to create an application.

Volunteer Application

Thank you for your helping our cause!
First, we need you to fill out an application

Image

First Name
Insert First Name

Last Name
Insert Last Name

Email Address
Insert Email Address

Street Address
Street Address

City
City

Zip Code
Zip

State
Kentucky ▾

Phone Number
Phone Number

Do you have a License?
Select ▾

What is your preferred availability? (We will do our best to accommodate)

○ Morning ○ Midday ○ Late Afternoon ○ Evenings ○ Weekdays ○ Weekends

Additional Comments Regarding Availability.
Type here

Tell us about you! Why are you interested?
Type here

Please Select Areas of Interest

● Transportation ● Pet Welfare

● Grooming ● Adoption Center

● Fundraiser Coordinator

● Adoption Events

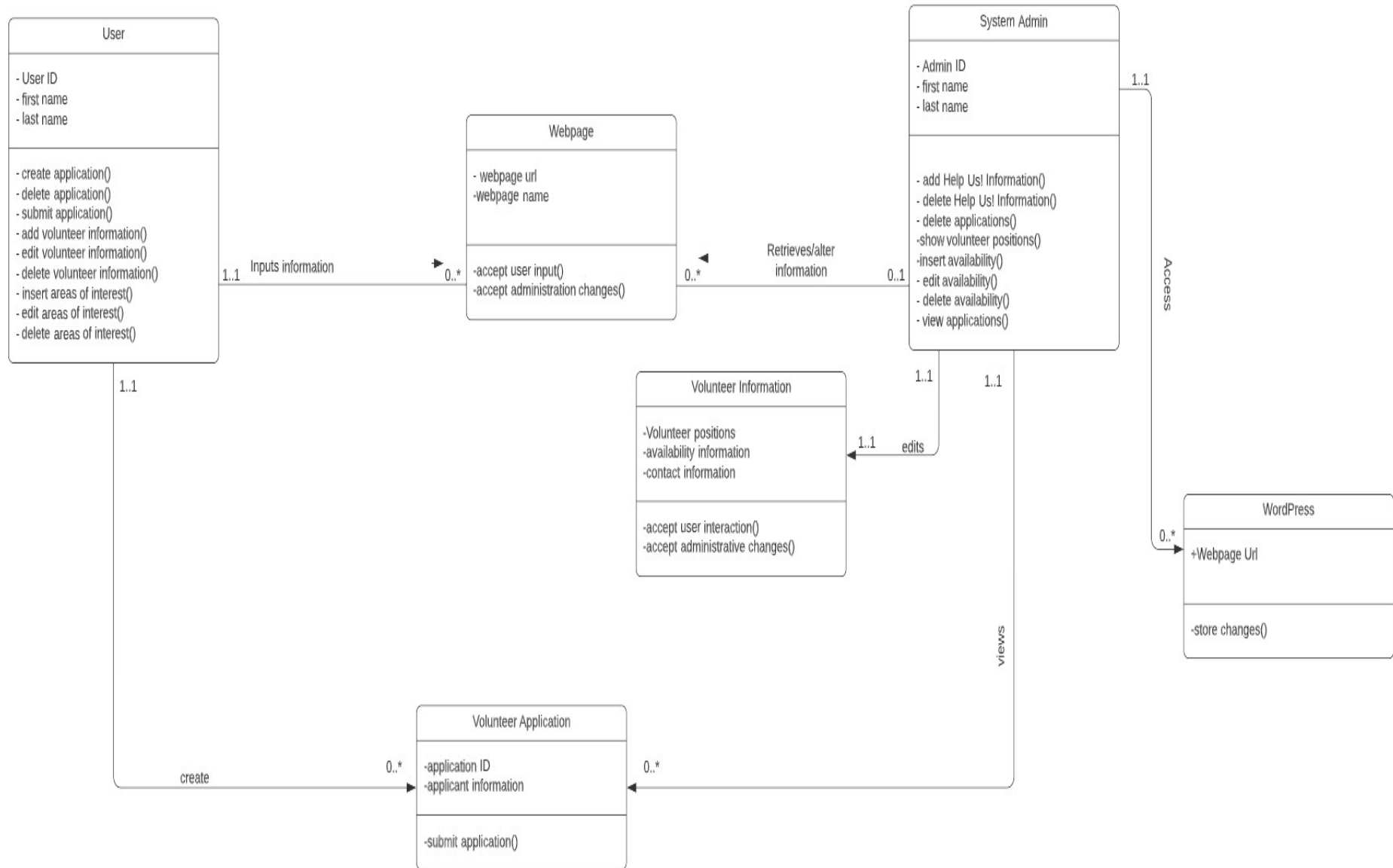**Are there any limitations/conditions
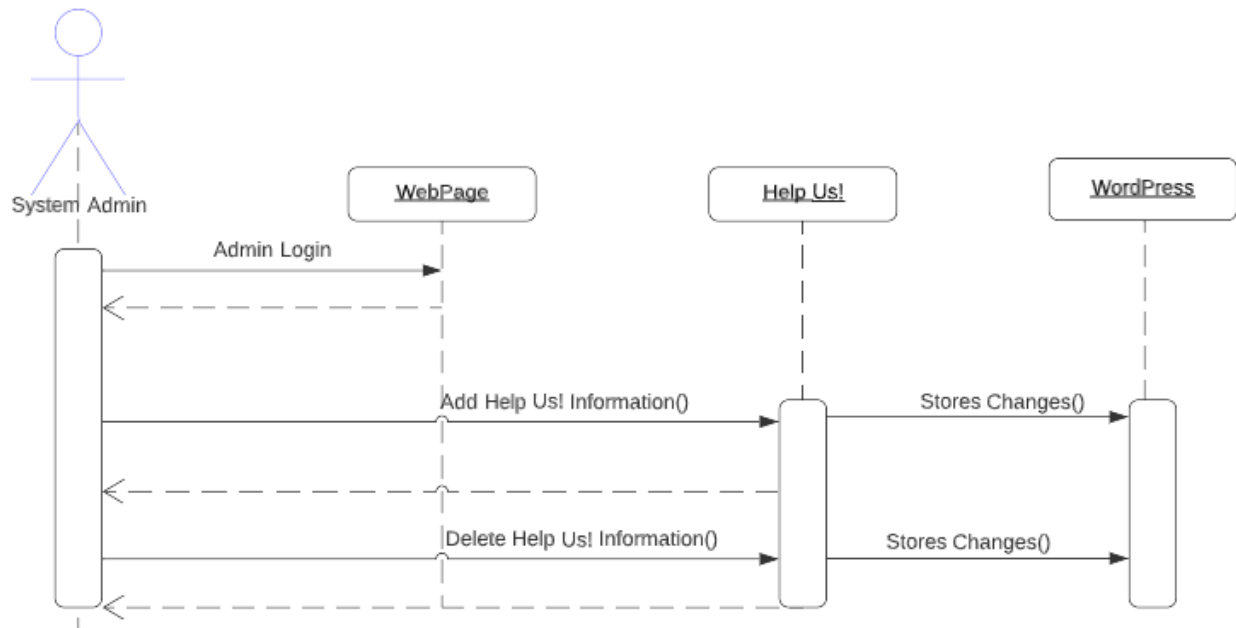that may hinder you from specific volunteering activities?**
Type here

Submit Form

Class Diagram:

User

- User ID
- first name
- last name

- create application()
- delete application()
- submit application()
- add volunteer information()
- edit volunteer information()
- delete volunteer information()
- insert areas of interest()
- edit areas of interest()
- delete areas of interest()

Webpage

- webpage url
- webpage name

-accept user input()
-accept administration changes()

System Admin

- Admin ID
- first name
- last name

- add Help Us! Information()
- delete Help Us! Information()
- delete applications()
-show volunteer positions()
-insert availability()
- edit availability()
- delete availability()
- view applications()

Volunteer Information

-Volunteer positions
-availability information
-contact information

-accept user interaction()
-accept administrative changes()

WordPress

+Webpage Url

-store changes()

Volunteer Application

-application ID
-applicant information

-submit application()

Inputs information   1..1   0..*

Retrieves/alter information   0..*   0..1

1..1

Access

0..*

1..1   edits   1..1

1..1

1..1   1..1

views

create   0..*   0..*

Sequence Diagrams:

Main Flow: **Use Cases: 32 & 33**
1. System Admin Logs in
2. Admin adds information to the Help Us! Tab
3. If needed the Admin will delete information in the Help Us! Tab
   a. Admin will have to confirm deletion of information
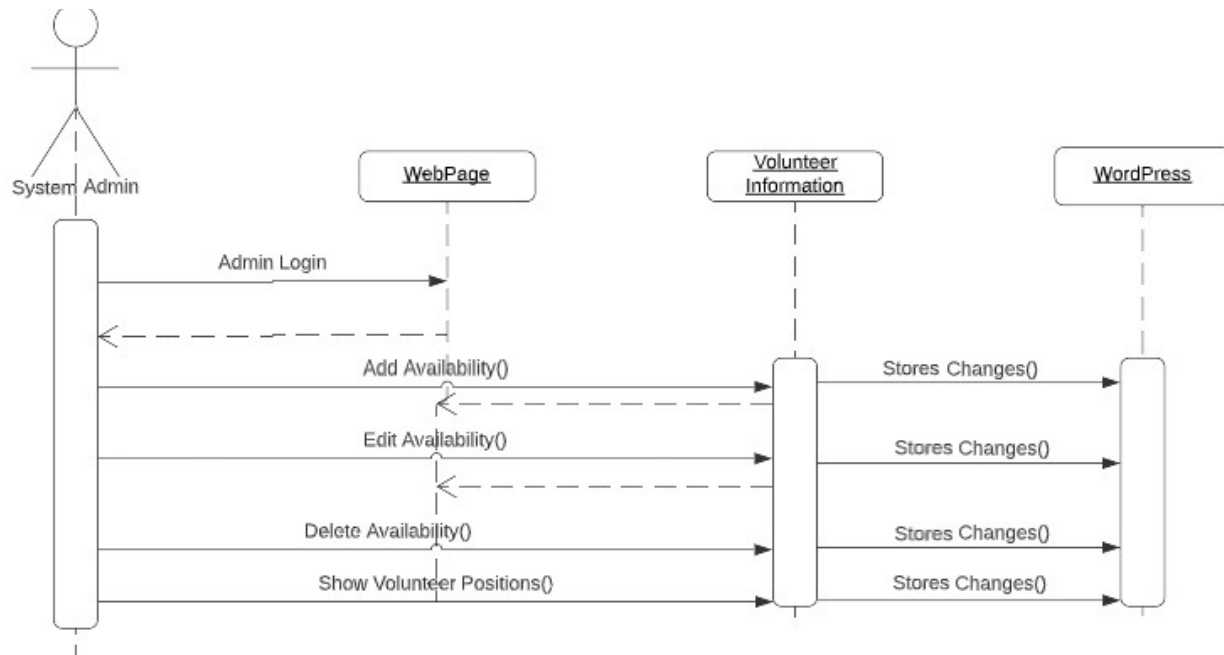
Main Flow: **Use Cases 37, 41, 42, 43**
1. System Admin logs in
2. Admin will add volunteer information to webpage
   a. If needed the admin can edit volunteer information and replace the original
   b. If needed the admin can delete volunteer information from the page.
3. Admin can display volunteer positions within the page
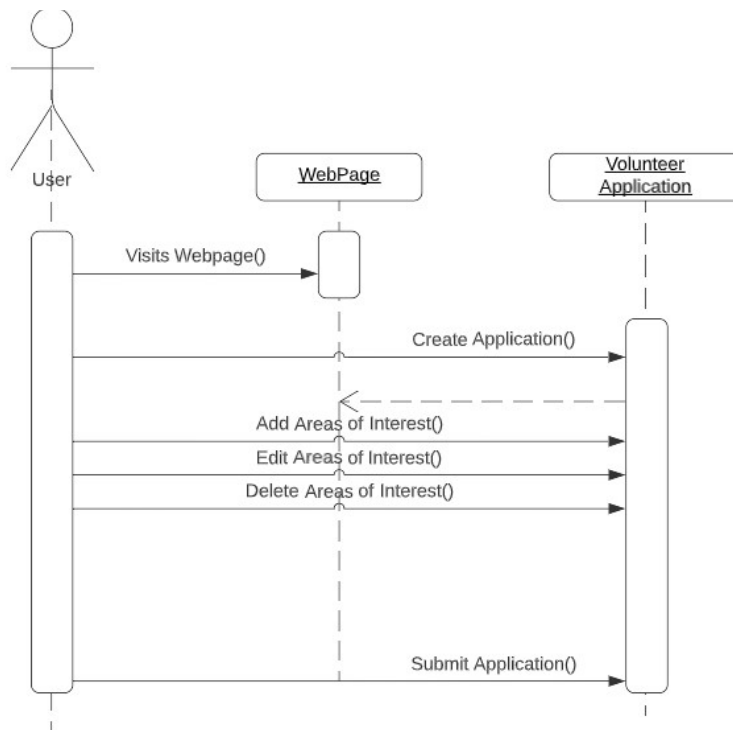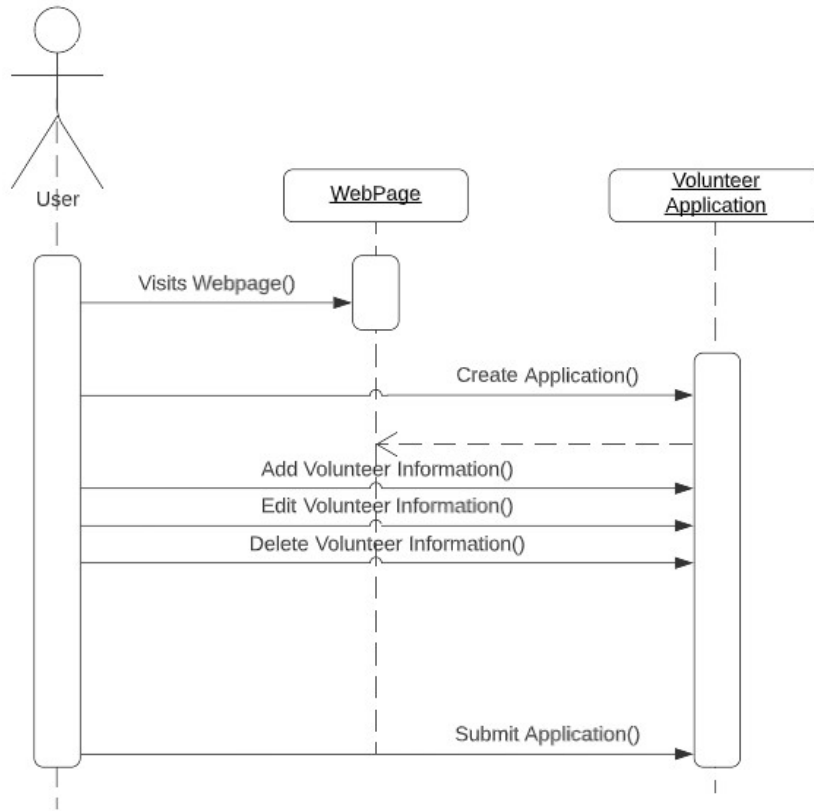
Main Flow: **Use Cases: 34, 36, 38, 39, 40, 41, 42, 43, 45, 46, & 47**

1. User visits webpage
2. User will create a volunteer application
3. The user inputs volunteer information
   3.1. If needed, the user can edit their volunteer information before submission
   3.2. Users can also deleted volunteer information before submission
4. User can input areas of interest
   4.1. Areas of interest can be edited as necessary
   4.2. Areas of interest can be deleted as needed.
5. User submits application after filling out information
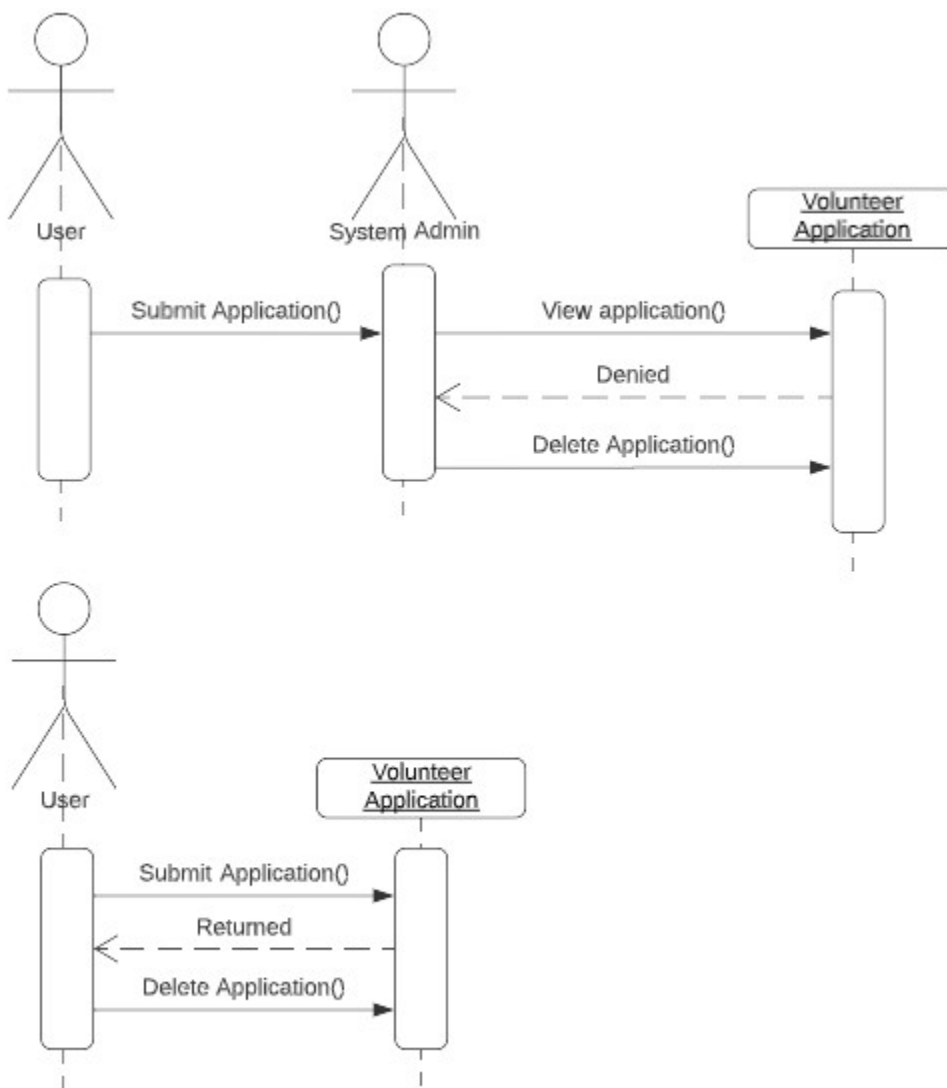
Main Flow: **Use Cases: 35, 36, & 44**

1. User submits application to System admin
2. System admin views application
   2.1. Admin can deny applications as needed
   2.2. Admin can delete applications once one is denied.

Main Flow: **Use Cases: 35 & 36**
1. User submits application
   1.1. Application is then returned
2. At the user's discretion, they can delete the application.