

Consultants for Integrated Solutions

The Kentuckiana Soccer Officials Association

Website Project

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System Requirements

The system requirements is a list of everything our solution will accomplish. Using the “website shall” format, we constructed a list based off of requirements given to us by the client, and put them in order of most important to least important. The functional requirements would be something the user has to do (click somewhere, type something in, etc) in order to progress to the next section, or continue using the website. For example, “The website shall have a login in order to access member specific areas”, this would mean the user would click a button named “log in” and type in their credentials, then and only then will they be allowed to access member specific areas. Lastly, the nonfunctional requirements would basically be processes the website will do or has that requires no input from the end user. For example, “The system shall use PayPal as a payment processor”, the user doesn’t have to do anything to have the system use PayPal. If the user wanted to make a payment, that would be considered a functional requirement.

System Requirements

FUNCTIONAL:

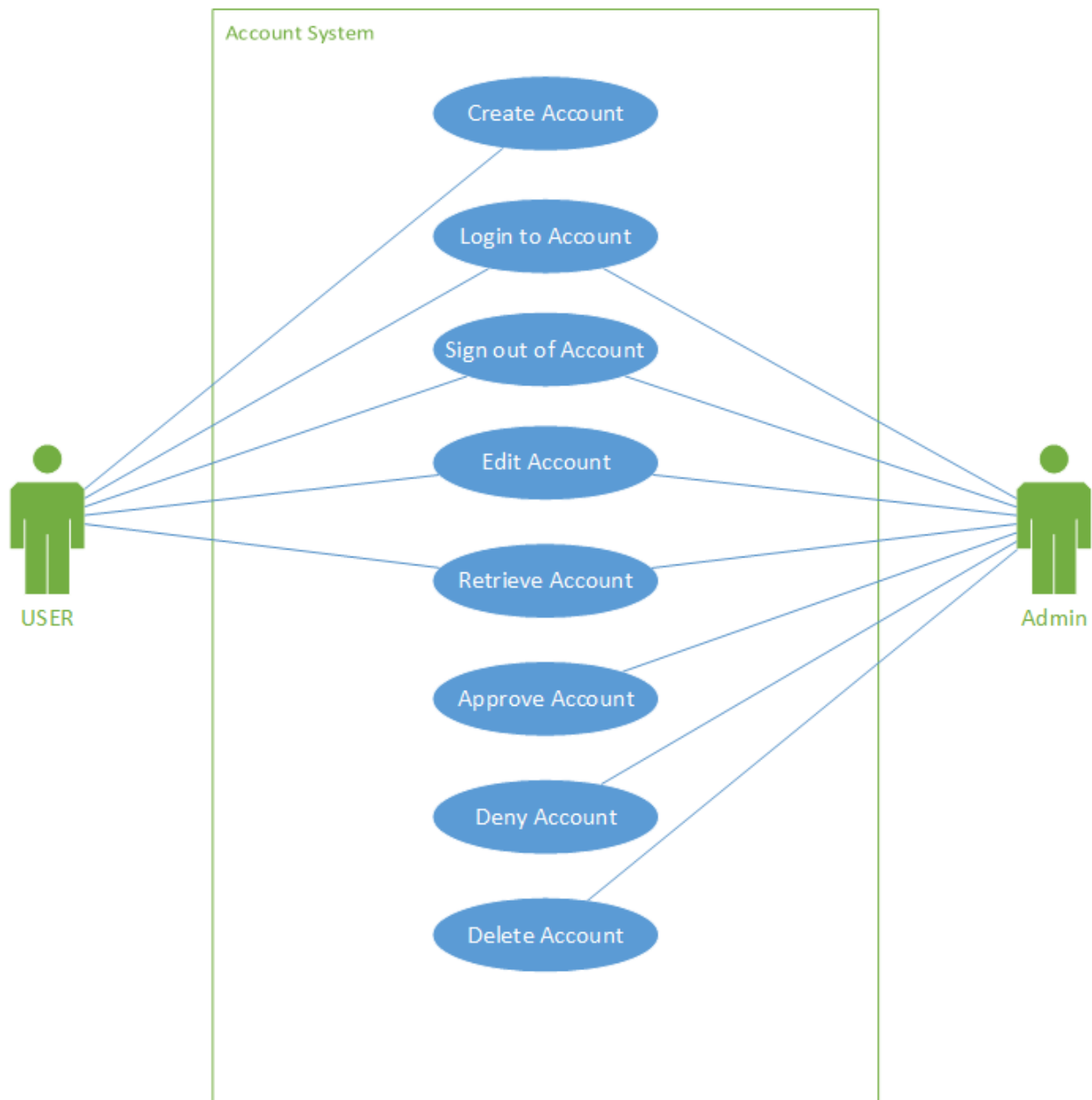
1. The website shall have a login in order to access member specific areas
2. The website shall allow recruits to register for organizational membership
3. The website shall allow members to pay dues
4. The website shall allow members to vote for board members
5. The website shall provide members a way to schedule and review assessments
6. The website shall provide a repository of helpful links
7. The website shall provide electronic forms for official reports
8. The website shall provide a calendar to track and notify members of deadlines and important dates
9. The website shall provide a forum for member communication
10. The website shall provide training materials
11. The website shall allow users to send mass email communications
12. The website shall provide a uniform donation/exchange service
13. The website shall allow all users to access public organizational information

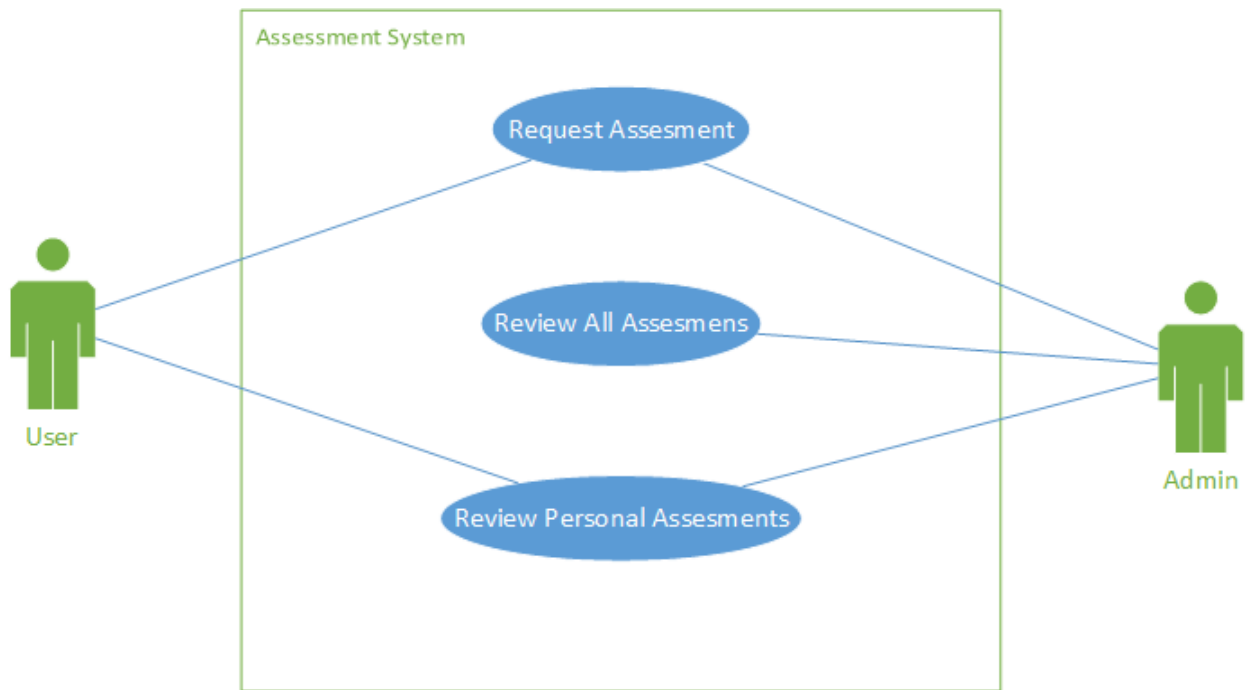
NON-FUNCTIONAL

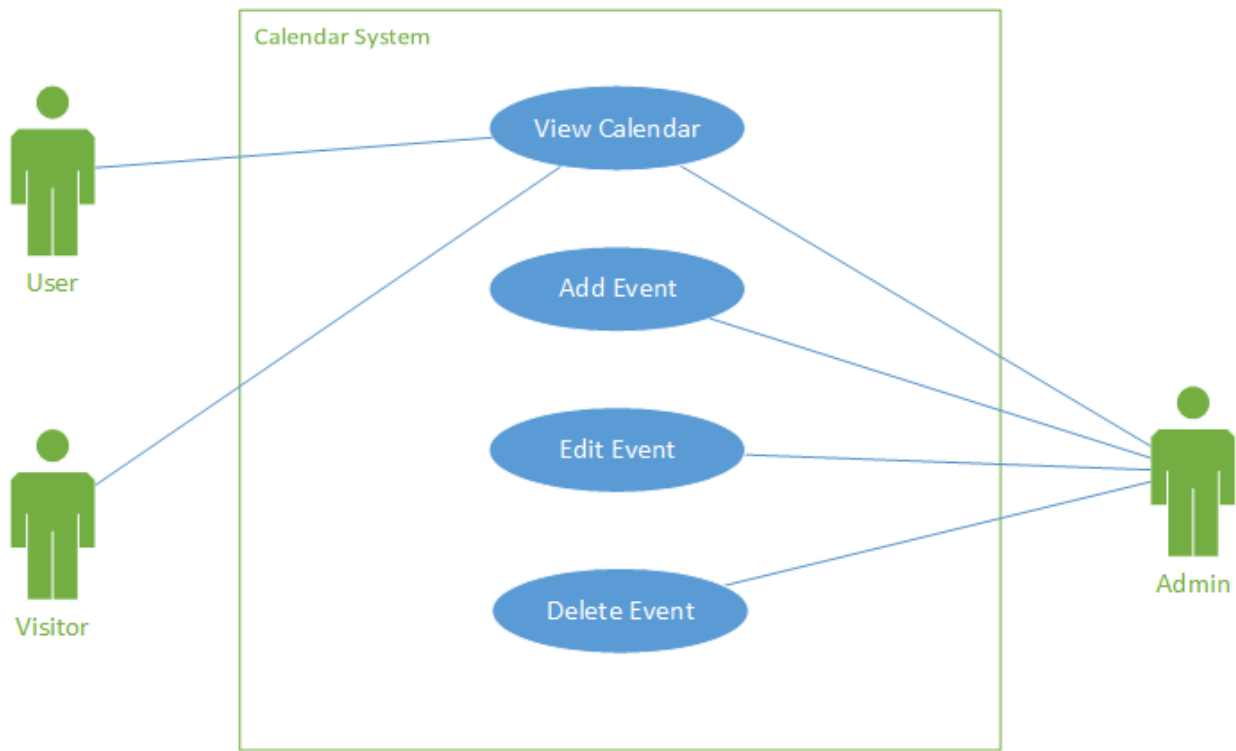
14. The website shall be built using WordPress
15. The website shall use MySQL as a database platform
16. The system shall use PayPal as a payment processor
17. The website shall provide different security profiles depending on membership and position within the organization

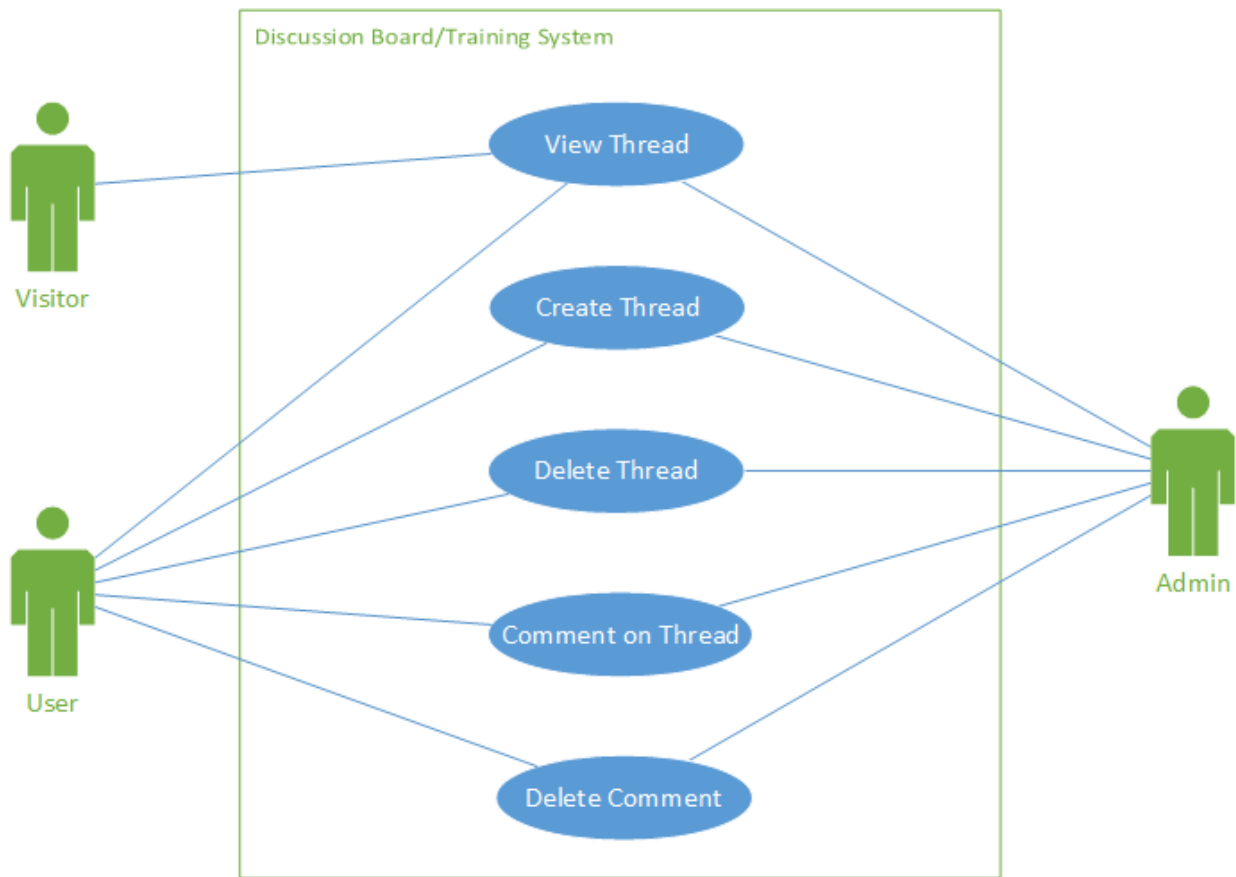
Use Case Diagram

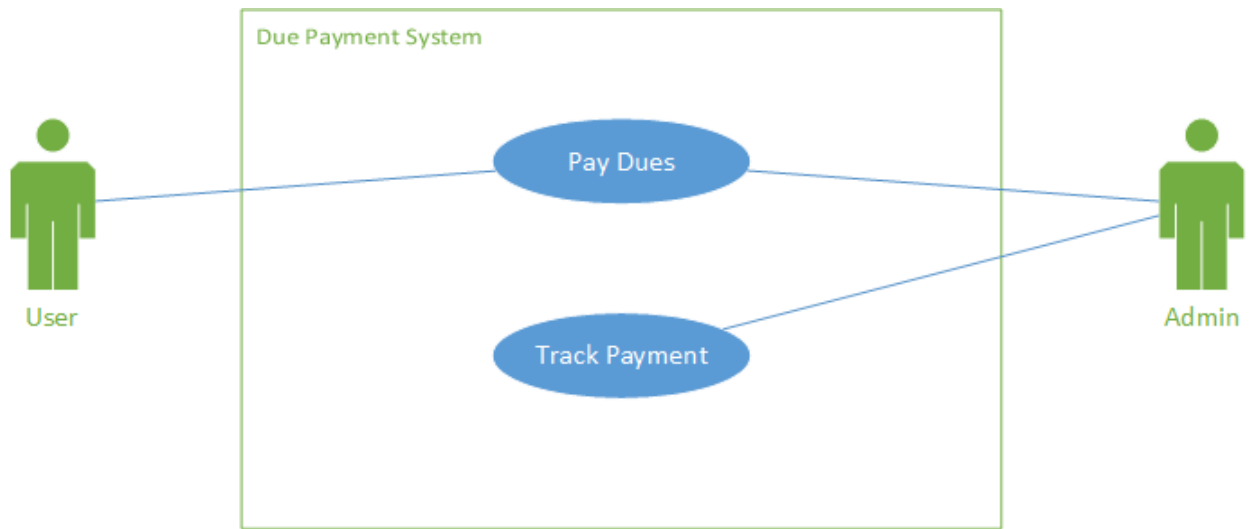
A use case diagram shows which users interact with what part of the system. The box represents the system, and the ovals inside are different aspects of the system. On the outside of the box are users of the system. The users are labeled as member, admin, user, or timed. There are lines that connect the user to which aspect of the system they will be able to access.

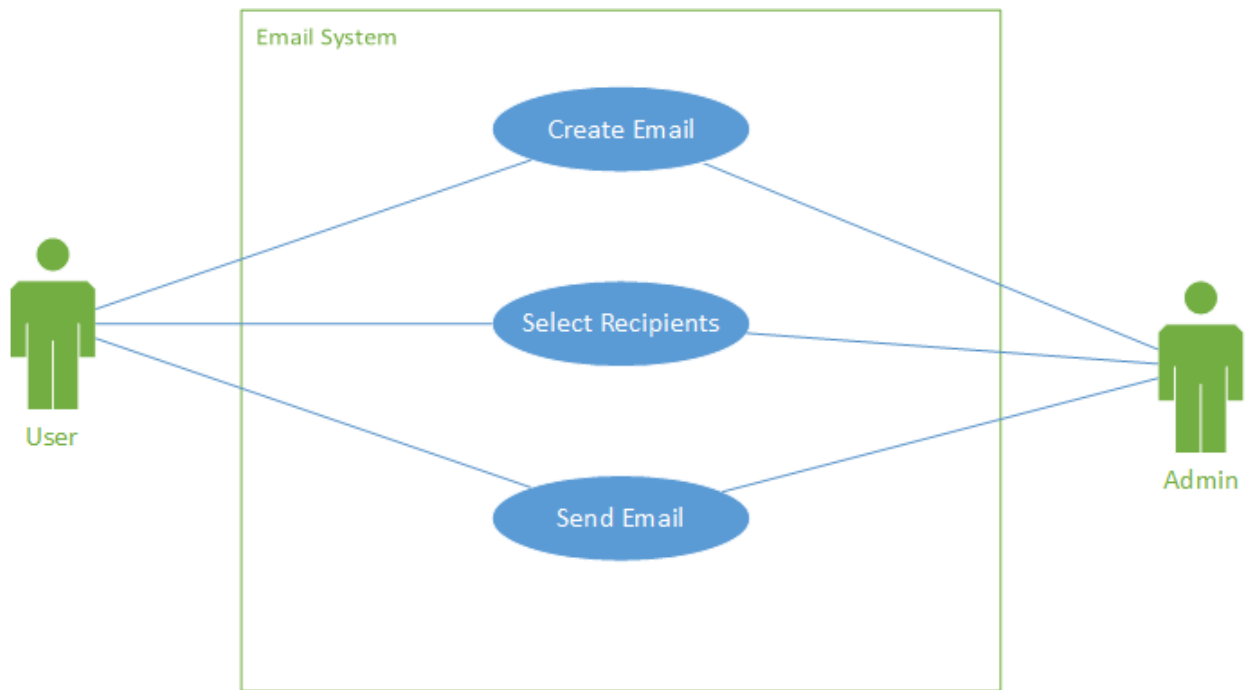


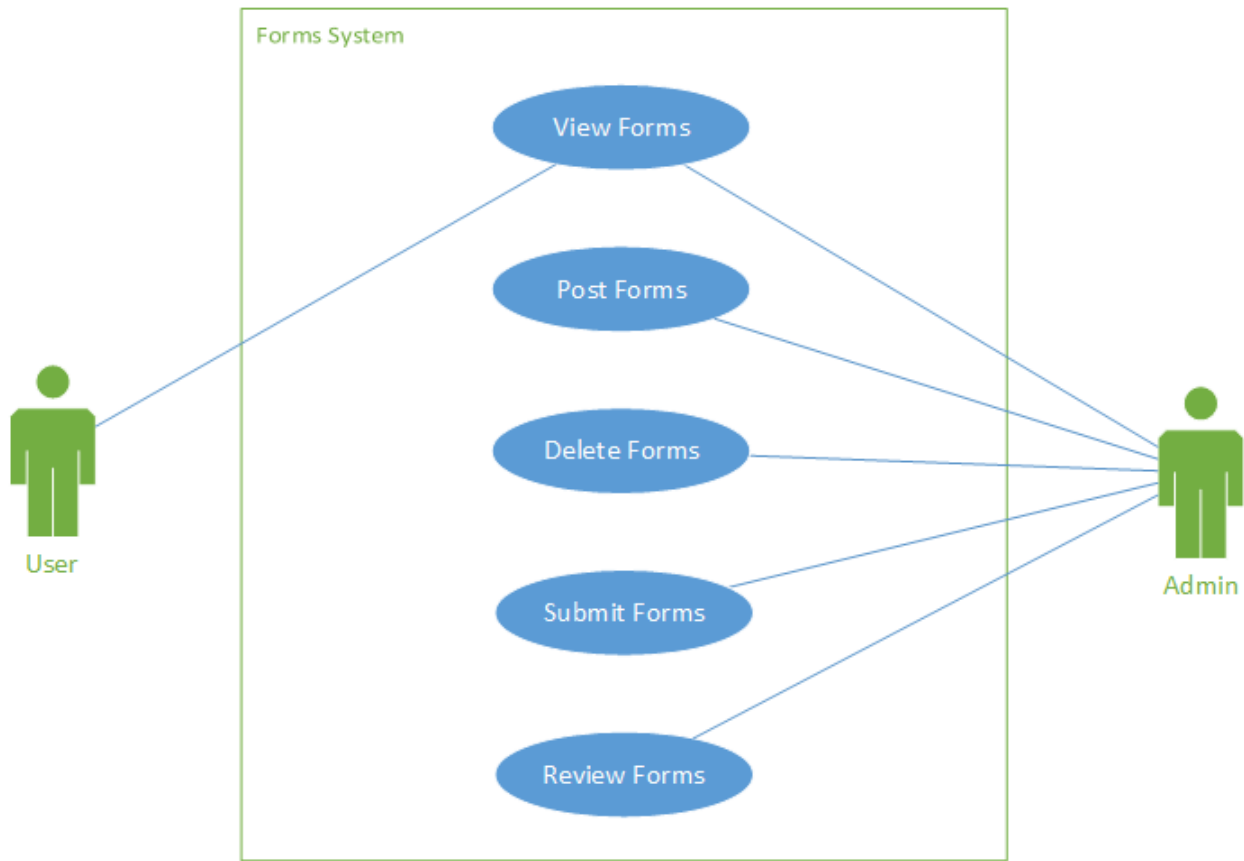


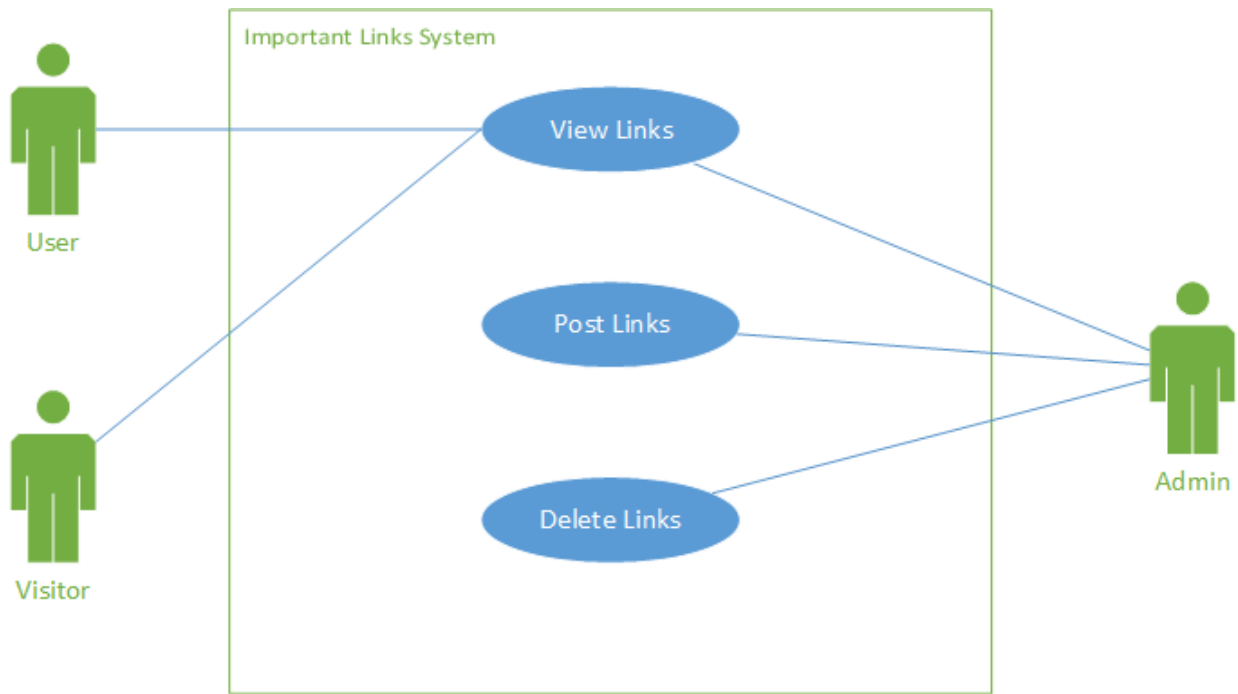


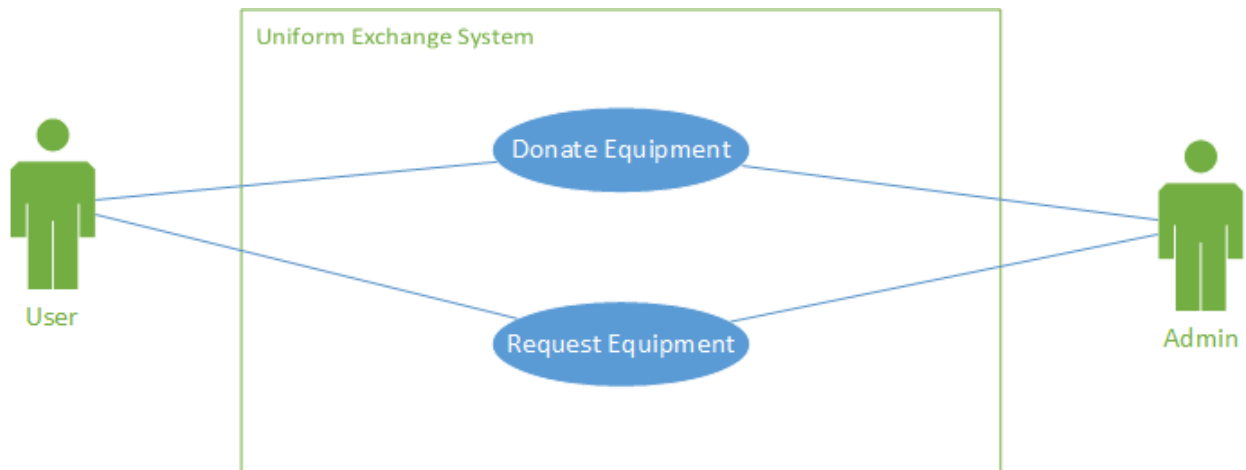
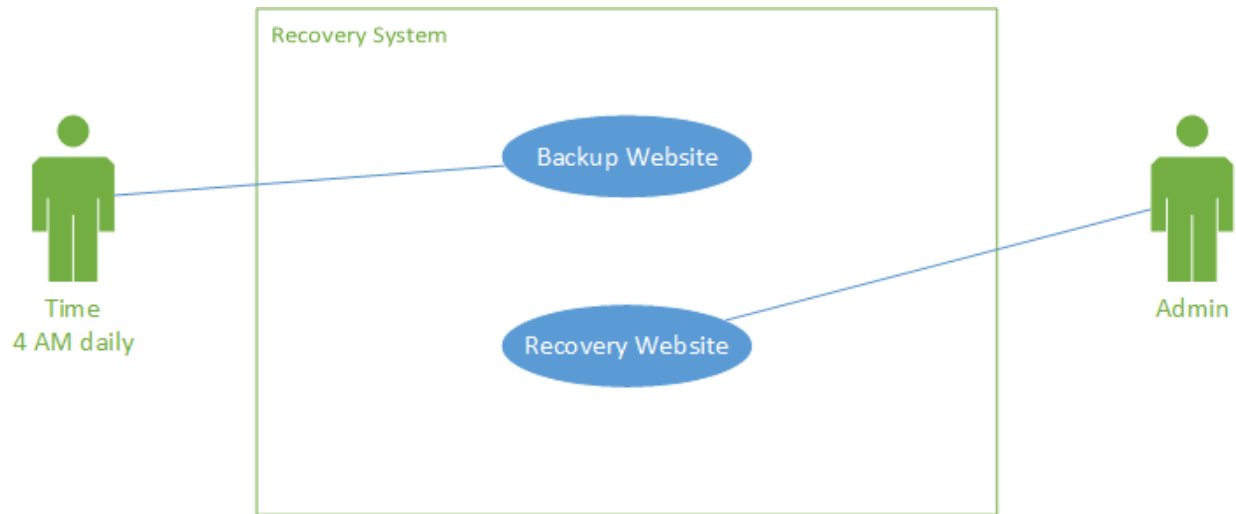


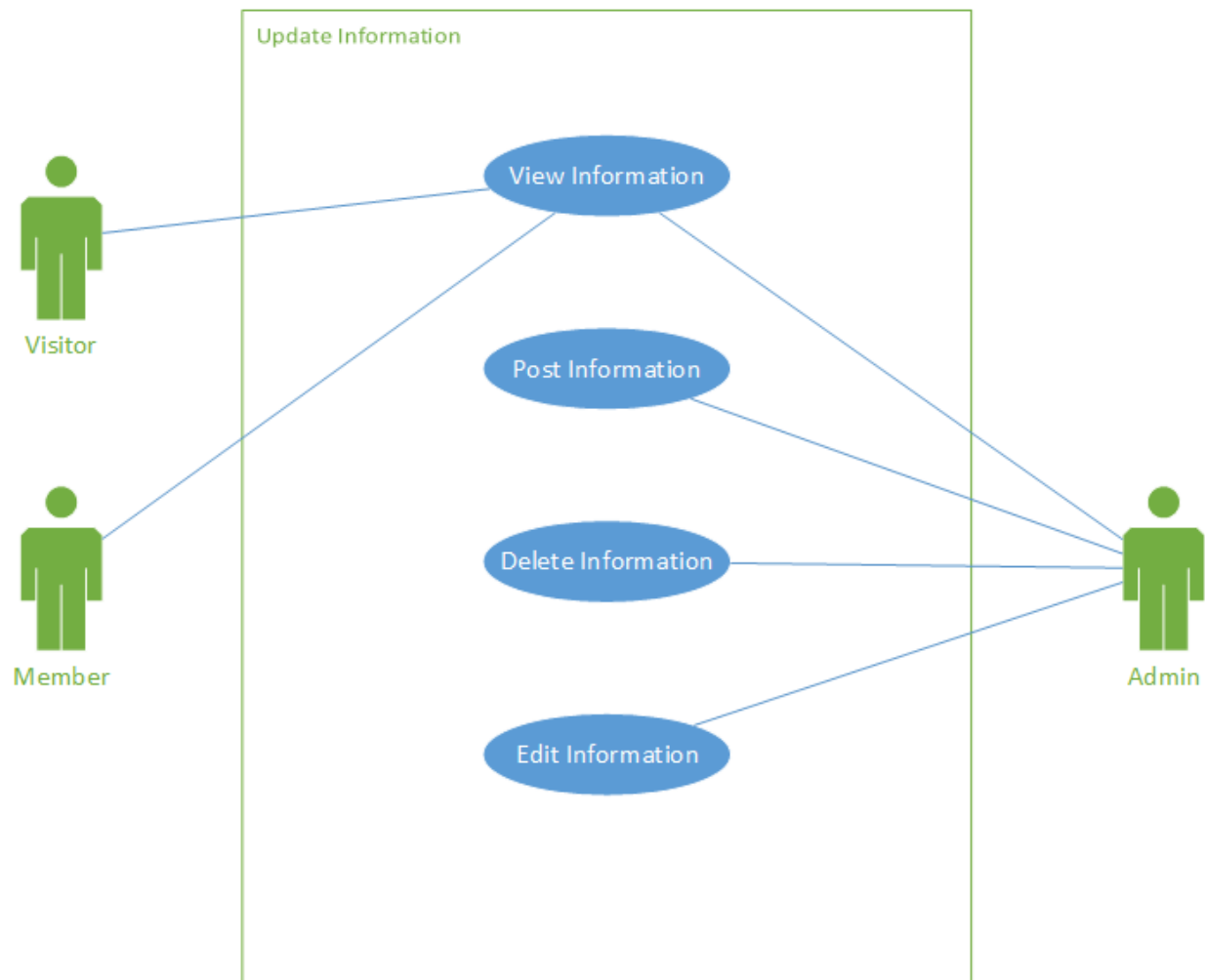












Trace Matrix

This Trace Matrix is a table used to show the relationship between the use cases and the project requirements. The use case numbers are listed on the top axis from 1-11 and the 13 project requirements are listed on the side axis. An X is placed in the according square based on what requirements are met by each use case. Using a Trace Matrix helps us ensure that each project requirement is met by the system.

[illegible]

KSOA Website

Use Case Specification: UC1 Create Account

Version 1.0

Revision History

Date	Version	Description	Author
10/26/2015	1.0	Create Account	Joshua Grimaud

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Invalid User Input
 - 2.2.2 Cancel
3. Special Requirements
 - 3.1 Database Must Be Operational
4. Pre-conditions
 - 4.1 Website And Database Considerations
5. Post-conditions
 - 5.1 Account Submitted

Use Case Specification: UC1 Create Account

1. Create Account

Brief Description

The system creates a new account for the User

2. Flow of Events

Basic Flow

1. The use case begins when a new User selects "Register Account".
2. While the User details are invalid
 - 2.1. The system asks the user to enter his or her details comprising of first name, last name, email address, home address, primary phone number, date of birth, password, and password again for confirmation.
 - 2.2. The system validates the User details.
3. The system creates an account and notifies an admin that a new account needs approval.

Alternative Flows

Create New User Account: Invalid User Input

The alternative flow begins after step 2.2 of the basic flow. The system informs the User that they have entered invalid information into one or more of the fields of the User Registration form. A user cannot continue the account creation process until all the field requirements have been met.

Create New User Account: Cancel

The alternative flow begins at any time. The User cancels the account creation process. A new account is not created.

3. Special Requirements

1. A database to store all data points must be in place and running so that all User information can be stored.

4. Pre-conditions

1. The website and database must be up and running, and a prospective user must select the "Register Account" link.

5. Post-conditions

1. A User account is submitted to the database where it will remain inactive until an Administrator authorizes the User and verifies their membership status.

KSOA Website

Use Case Specification: UC2 Edit Account

Version 1.0

Revision History

Date	Version	Description	Author
10/27/2015	1.0	Edit Account	Joshua Grimaud

Table of Contents

1. UC2 Edit Account
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Invalid User Or Admin Input
 - 2.2.2 Cancel
3. Special Requirements
 - 3.1 Database
4. Pre-conditions
 - 4.1 Active Account
 - 4.2 Website And Database Considerations
 - 4.3 User Or Admin Can Only Edit Personal Account
5. Post-conditions
 - 5.1 Changes Made Are Submitted To Database

Use Case Specification: UC2 Edit Account

1. Edit Account

Brief Description

The system allows a User or Administrator to edit their account details

2. Flow of Events

Basic Flow

1. The Use case begins when a User or Administrator go to the member functions page and select update account.
2. The system provides a form populated with existing data from the database
 - 2.1. The system allows a User or Admin to edit any of their details comprising of first name, last name, birthdate, email address, home address, primary phone number, secondary phone number, password, and password again for confirmation.
 - 2.2. The system validates all details on the form
3. The system saves the changes made, if any, to the User or Admin account details

Alternative Flows

Edit Account: Invalid User Input

1. The alternative flow begins after step 2.2 of the basic flow. The system informs the User or Admin that they have entered invalid information into one or more fields of the Account Details form. A user cannot submit changes until all the field requirements have been met.

Edit Account: Cancel

1. The alternative flow begins at any time. The User or Admin cancels the edit information process. No details are changed.

3. Special Requirements

1. A database must be able to perform CRUD operations to read and update information

4. Pre-conditions

1. A User or Admin account must already be active.
2. The website and database must be up and running
3. A User or Admin must select to edit his or her account details. He or she will only be able to edit his or her personal account.

5. Post-conditions

1. The changes made to the User or Admin account are submitted to the database.

KSOA Website

Use Case Specification: UC3 Delete Account

Version 1.0

Revision History

Date	Version	Description	Author
10/27/15	1.0	UC3 Delete Account	Joshua Grimaud

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 Database
4. Pre-conditions
 - 4.1 Account Must Exist
 - 4.2 Operational Considerations
 - 4.3 Admin Must Make Decision
5. Post-conditions
 - 5.1 Account Deleted

Use Case Specification: UC3 Delete Account

1. Delete Account

Brief Description

The system “deletes” a User or Admin account. In reality the system keeps some information on file to preserve data integrity of payment information and forum posts.

2. Flow of Events

Basic Flow

1. The use case begins when an Admin selects “Delete” from the member management page.
 - 1.1. The system prompts the Admin to verify account deletion.
2. The system deletes all personal information of the account holder.

Alternative Flows

Delete User Account: Cancel

The alternative flow begins during step 1.1. The Admin may choose to cancel account deletion when the system prompts them to verify account deletion.

3. Special Requirements

1. A database must be able to perform delete operations to remove the designated user.

4. Pre-conditions

1. An account must exist to be deleted.
2. The website and database must be operational
3. An Admin must choose to delete a member account

5. Post-conditions

1. The member account is deleted.

KSOA Website

Use Case Specification: UC4 Login To Account

Version 1.0

Revision History

Date	Version	Description	Author
10/27/15	1.0	Initial Draft	Joshua Grimaud

Table of Contents

1. UC4 Login To Account
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
 - 2.2.2 Invalid Credentials
3. Special Requirements
 - 3.1 Database
4. Pre-conditions
 - 4.1 Operational considerations
 - 4.2 Active account
 - 4.3 Login fields tracked in member table
5. Post-conditions
 - 5.1 Login successful
 - 5.2 Prevent Unauthorized Access

Use Case Specification: UC4 Login To Account

1. Login To Account

Brief Description

The system allows a User or Admin to login to their personal account.

2. Flow of Events

Basic Flow

1. The use case begins when a User or Administrator choose the "Login" action from any of the general use pages.
2. The system provides a partial form for the User or Admin to enter their username and password.
 - 2.1. The system validates the user credentials

Alternative Flows

Login: Cancel

1. The alternative flow begins at any time after step 1 of the basic flow. The User or Admin cancels the login process. User and Admin features are not available.

Login: Invalid Credentials

1. The alternative flow begins during step 2.1 of the basic flow. The system notifies the User or Admin that they provided invalid credentials.

3. Special Requirements

1. A database must be used to verify the username and password from the member table.

4. Pre-conditions

1. The website and database must be up and running.
2. A User or Admin must have an active account.
3. Login fields must exist in the database.

5. Post-conditions

1. The User or Admin logs in to his or her account.
2. Unauthorized persons are not allowed to access member areas of the website.

KSOA Website

Use Case Specification: UC5 Sign-out of Account

Version 1.0

Revision History

Date	Version	Description	Author
10/27/15	1.0	Initial Draft	Joshua Grimaud

Table of Contents

1. UC5 Sign-out of Account
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
3. Special Requirements
 - 3.1 Track Session
4. Pre-conditions
 - 4.1 Session must already be in progress
5. Post-conditions
 - 5.1 Session termination/sign-out
 - 5.2 Must login to access site in future

Use Case Specification: UC5 Sign-out of Account

1. Sign-out of Account

Brief Description

The system allows a User or Admin to sign-out of their account.

2. Flow of Events

Basic Flow

1. The use case begins when a User or Administrator select the "Sign-out" link.
2. The system signs out the logged in user.

3. Special Requirements

1. The system must be able to track a User or Administrator session. Most likely through a cookie.

4. Pre-conditions

1. A valid User or Administrator must have an open session, or be logged in.

5. Post-conditions

1. The session is terminated.
2. A User or Administrator must login to access the site to begin a new session.

KSOA Website
Use Case Specification: UC6 Account Approval

Version 1.0

Revision History

Date	Version	Description	Author
10/27/15	1.0	Initial Draft	Joshua Grimaud

Table of Contents

1. UC6 Account Approval
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 Database
 - 3.2 Status tracking
4. Pre-conditions
 - 4.1 Must have pending users
 - 4.2 System Administrator
5. Post-conditions
 - 5.1 Status change
 - 5.2 Access privileges granted

Use Case Specification: UC6 Account Approval

1. Account Approval

Brief Description

The system allows an Administrator to approve an account.

2. Flow of Events

Basic Flow

1. The use case begins when an administrator goes to the User Management page.
2. If there are pending applicants:
 - 2.1. The Admin can review their application status
 - 2.2. The Admin can approve a new User account
3. The system sends an automatic email to inform the User that their account has been approved.
4. The system marks the new User as active.

Alternative Flows

Account Approval: Cancel

1. The alternative flow begins any time before step 3 of the basic flow. The administrator may review new applicants and decide to not approve them at the time.

3. Special Requirements

1. A database must be available to store pending User accounts.
2. The system must provide a way to track information regarding pending applicants (i.e. payment of dues, certification received).

4. Pre-conditions

1. There must be pending applicants in the system.
2. There must be at least one system administrator.

5. Post-conditions

1. A new User is moved from pending status to active.
2. The new User is able to access member areas of the site.

KSOA Website

Use Case Specification: UC7 Account Denial

Version 1.0

Revision History

Date	Version	Description	Author
10/28/15	1.0	Initial Draft	Joshua Grimaud

Table of Contents

1. UC7 Account Denial
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 Database
 - 3.2 Status tracking
4. Pre-conditions
 - 4.1 Must have pending users
 - 4.2 System Administrator
5. Post-conditions
 - 5.1 Status change
 - 5.2 Record deletion

Use Case Specification: UC7 Account Denial

1. Account Denial

Brief Description

The system allows an Administrator to deny a new User account.

2. Flow of Events

Basic Flow

1. The use case begins when an administrator goes to the User Management page.
2. If there are pending applicants:
 - 2.1. The Admin can review their application status
 - 2.2. The Admin can deny a new User account
3. The system sends an automatic email to inform the User that their account has been denied.
4. The system deletes the prospective User from the database.

Alternative Flows

Account Approval: Cancel

1. The alternative flow begins any time before step 3 of the basic flow. The administrator may review new applicants and decide to not take action at the time.

1. Special Requirements

1. A database must be available to store pending User accounts.
2. The system must provide a way to track information regarding pending applicants (i.e. payment of dues, certification received).

2. Pre-conditions

1. There must be pending applicants in the system.
2. There must be at least one system administrator.

3. Post-conditions

1. A new User is removed from pending status.
2. The User record is deleted.

KSOA Website Use Case Specification: UC8 Backup System

Version 1.0

Revision History

Date	Version	Description	Author
10/24/15	1.0	Creation	Alaa Hawsawi

Table of Contents

- 1. Backup System
 - 1.1 Brief Description
- 2. Flow of Events
 - 2.1 Basic Flow
- 3. Special Requirements
 - 3.1 Plug-in
- 4. Pre-conditions
 - 4.1 Must have plug-in
- 5. Post-conditions
 - 5.1 Successful backing up database
 - 5.2 Failed to backup the database

Use Case Specification: Backup System

1. Use-Case Name

Brief Description

Backup system is option that makes a copy of the website's database what will help restore the website if something wrong happen. The backup system will have a copy of the website, contact, forums, forms, links, and anything important.

2. Flow of Events

Basic Flow

Every night at 4am, the system will be backed up automatically. In the event of something going wrong, an administrator will be able to reset it to a previous state where it was working correctly.

3. Special Requirements

Plug-in

You need a plug-in to download the database from the website and an application for download the pictures and files to restore the whole website not only the data.

4. Pre-conditions

Must have plug-in

In order to do the backup you need a database plug-in install and application for backup the files.

5. Post-conditions

Success backup the database

You will have a zip file with all data and the files you request to backup.

Fail backup the database

You will have to find a new database plug-in or you do not have the permission to do the backup the files and the database.

KSOA Website

Use Case Specification: UC9 Recover System

Version 1.0

Revision History

Date	Version	Description	Author
10/24/15	1.0	Creation	Alaa Hawsawi

Table of Contents

1. Recover System
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
3. Special Requirements
 - 3.1 software
4. Pre-conditions
 - 4.1 Must have software
5. Post-conditions
 - 5.1 Successful recover the database
 - 5.2 Failed to recover the database

Use Case Specification: Recover System

1. Use-Case Name

Brief Description

Recover system is a copy of the database and files that it been backup. If something wrong happen with website the recovery system will restore the copy of the website, contact, forums, forms, links, files and anything been backed up.

2. Flow of Events

Basic Flow

1. The admin clicks on " admin portal"
2. Then clicks on "backup/recovery" then "recovery" which "phpmyadmin plugin"
3. Then selects the backup file from the website or upload the zip file from the computer
4. The admin clicks on the button "upload" to restore the website.

3. Special Requirements

Software

You need software to upload the database to the website and an application for upload the pictures and files to the website.

4. Pre-conditions

Must have software

In order to do the restore the database and files software "phpmyadmin plugin" install.

5. Post-conditions

Success restore the database

All the files, contact, forums, forms, links, password and website will be back as before.

Fail restore the database

The website will be mess up, find a new way to restore the database or you do not have the permission to do the restore the files and the database.

KSOA Website Use Case Specification: UC10 Pay Dues

Version 1.1

Revision History

Date	Version	Description	Author
10/21/15	1.0	Creating use case	Nick Schuler
11/14/15	1.1	Update Flow of Events	Nick Schuler

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 In person payment
3. Special Requirements
 - 3.1 Payment and Compatibility
4. Pre-conditions
 - 4.1 Select “Pay Dues”
5. Post-conditions
 - 5.1 Payment Accepted
 - 5.2 Payment Declined

Use Case Specification: Pay Dues

1. Use-Case Name

Brief Description

Members will login to account and will be able to pay member dues for the year. This payment system will be done through PayPal.

2. Flow of Events

Basic Flow

- Log into your account
- Click the "Pay Dues" section
- Sign into the PayPal plug in on the webpage (the transaction will take place via PayPal, any personal information entered in the PayPal plug in is not stored or viewable by the KSOA)

Alternative Flows

In person payment

An alternative of paying online would be to bring your payment to a meeting at a specific date. If there is a reason you can't or refuse to make an online payment, bringing the money to the meeting is the other alternative.

3. Special Requirements

Payment and Compatibility

We will have to pay PayPal to use their money transferring service. They have a charge of 2.2% + \$0.30 per transaction. WordPress has a PayPal plug-in we will utilize, so it will be easy to make payments whether the user is making a payment on a Mac or Windows computer.

4. Pre-conditions

Select "Pay Dues"

In order to access the PayPal plug-in, the user must be at the "Pay Dues" section in the website.

5. Post-conditions

Payment Accepted

Your payment has been accepted and sent to the KSOA. You still have your membership status and can access the areas regarding your membership status.

Payment Denied

Your payment was denied. You may have entered incorrect data (wrong card number) or have insufficient funds. Another possible reason is PayPal is down at the moment. Since your membership was not paid, you have until a certain date to pay, otherwise you lose membership status and only access you have is guest access.

KSOA Website
Use Case Specification: UC11 Tracking Payment

Version 1.1

Revision History

Date	Version	Description	Author
10/22/2015	1.0	Creation	Nick Schuler
11/14/15	1.1	Update Flow of Events	Nick Schuler

Table of Contents

1. Tracking Payment
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Physical Proof
3. Special Requirements
 - 3.1 Reliability
4. Pre-conditions
 - 4.1 Accessing
 - 4.2 Membership Status
5. Post-conditions
 - 5.1 Display Information
 - 5.2 Return Home

Use Case Specification: Tracking Payment

1. Tracking Payment

Brief Description

Tracking Payment is the ability for an administrator of the website to be able to see who has paid their dues. It will say who made the payment, the amount, and the date it was paid. This also allows the administrator to see who has yet to pay the dues to remind them or remove them from the members list.

2. Flow of Events

Basic Flow

- Log into your account (administrator)
- Click on admin portal
- Here, an admin can click payment tracker and view who has paid and when it was paid.
 - The admin can either continue letting the person be a member or remove their privileges if they have not paid.

Alternative Flows

Physical Proof

Since payment will be done through PayPal, we are relying on PayPal to give us the information of the names of people who has paid and dates. If this were to fail or not populate for a while, we will need proof of payment. We would require the member who just paid their dues to send us a screenshot, or proof from a bank statement it was paid. The person in charge of finances will be able to verify that, and add it into an Excel spreadsheet or notebook for record keeping.

3. Special Requirements

Reliability

For us to be able to do this through PayPal, we would need the user to pay via PayPal, which requires a fee per transaction. The reliability of this would be mainly dependant on PayPal since it will be a plug-in on the website, the credit card information (and thus tracking) information is not saved on the KSOA website. Since this will still be used in WordPress and using PayPal, it will be accessible across all operating systems.

4. Pre-conditions

Accessing

In order to access this area of the website, the user must click on the track payment section on the website in the admin portal.

Membership Status

To reach the track payment section of the website, the user must be classified as administrator for their membership status. Otherwise the user will not be able to view the tracking of payments.

5. Post-conditions

Display Information

The system will display the tracking information which includes the name of the member who paid, the amount that was paid, and the date the payment was made.

Return to Home

Once the user is finished with the tracking payments, they can return to the home screen of the website, or click a different section they would like to go to.

KSOA Website

Use Case Specification: UC12 Donate Equipment

Version 1.1

Revision History

Date	Version	Description	Author
10/26/15	1.0	Creation	Nick Schuler
11/14/15	1.1	Update Flow of Events	Nick Schuler

Table of Contents

1. Donate Equipment
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
3. Special Requirements
 - 3.1 Reliability
4. Pre-conditions
 - 4.1 Max Donation
5. Post-conditions
 - 5.1 Accepted
 - 5.2 Declined

Use Case Specification: Donate Equipment

1. Donate Equipment

Brief Description

The KSOA wants a easy way for current or past referees to be able to donate their used equipment to new referees. All the different types of uniforms the referees need can get quite expensive. Some of the referees may grow out of the equipment or may no longer be at that level that requires some type of equipment, or they are no longer a referee. Since they will no longer need to use the equipment, they should have a way to easily pass down their old equipment for new referees.

2. Flow of Events

Basic Flow

- Member logs on
- Click Uniform Exchange
- There are 4 sections in the exchange, shirts, shorts, combination, and miscellaneous. Each section has a "Create Thread" button. The user creates a thread for what they would like to donate
- A new window pops up where the member enters information about the items for donation
- User presses submit and the thread will be posted for others to view

3. Special Requirements

Reliability

When a user submits equipment for donation, it needs to be accurate and correct, so a person needing equipment doesn't get told wrong information, or try to get 2 of an item when, in reality, there is none.

4. Pre-conditions

Max Donation

In order to help keep typos out, there will be a maximum donation of 5 units at a time. Incase someone wants to donate 2 shirts and they don't accidentally hit 22 or something like that. If the user has 6 or more items to donate, they will need to submit them 5 at a time.

5. Post-conditions

Accepted

The donation was successful.

Declined

The donation was declined because the donation limit was over 5.

KSOA Website
Use Case Specification: UC13 Request Equipment

Version 1.1

Revision History

Date	Version	Description	Author
10/26/15	1.0	Creation	Nick Schuler
11/12/15`	1.1	Update Main Flow	Nick Schuler

Table of Contents

1. Request Equipment
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 E-Mail
 - 2.2.2 Purchase
3. Special Requirements
 - 3.1 Limit
4. Pre-conditions
 - 4.1 Stock
5. Post-conditions
 - 5.1 Accepted
 - 5.2 Declined

Use Case Specification: Request Equipment

1. Request Equipment

Brief Description

Referee equipment is expensive because you need many different types of equipment for their uniform. Past members or current members who no longer need parts of their uniform can donate it. A new member or current member who needs the equipment can request the equipment, letting them have some “hand-me-down” equipment so they don’t need spend a lot of money.

2. Flow of Events

Basic Flow

When new members, or current members need new equipment, they will

- Click on the request equipment section
- Select items they need
- Send an email to the donator
- Set up a time to do the exchange

Alternative Flows

E-Mail

If the item they are looking for is not up for donation, the user can contact a system administrator and ask if they can send a mass email to the other members asking if they have any equipment no longer needed.

Purchase

If there is no equipment to be donated, the member will need to go purchase the equipment, or will have to wait.

3. Special Requirements

Limit

There will be a limit on the amount of equipment a single person can take.

4. Pre-conditions

Stock

In order to request equipment, there must be equipment set up for donation. If there is no equipment to be donated, no equipment can be received.

5. Post-conditions

Accepted

The request has been accepted.

Declined

The request has been declined.

KSOA Website
Use Case Specification: UC14 Create Ballot

Version 1.1

Revision History

Date	Version	Description	Author
11/02/15	1.0	Creation	Nick Schuler
11/14/15	1.1	Update Flow of Events	Nick Schuler

Table of Contents

1. Create Ballot
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Meeting
 - 2.2.2 Cancel Ballot
 - 2.2.3 Stop Ballot
3. Special Requirements
 - 3.1 Announcement
 - 3.2 Time
4. Pre-conditions
 - 4.1 Membership Status
5. Post-conditions
 - 5.1 Posted
 - 5.2 Error

Use Case Specification: Create Ballot

1. Create Ballot

Brief Description

In order to allow members to vote for new board members and other issues requiring voting, a ballot needs to be made by an administrator.

2. Flow of Events

Basic Flow

- Log into account (administrator)
- Click on admin portal, then select the voting section
- Click the "Create Ballot" option
- Type the statement ("President", "Should we get pink wristbands for breast cancer awareness?")
- Type options ("John Doe", "Jane Smith", "Yes")
- Select a start and end date/time for the voting to be open
- Press submit

Alternative Flows

Meeting

If the creation of the ballot fails, the next option will be to have the voting in person at a meeting like usual.

Cancel Ballot

If the administrator accidentally creates a ballot, or changes the date of voting, there will be an option that allows the administrator to cancel the ballot.

Stop Ballot

Once the voting is done, a built in timer will stop allowing votes. There is also a second option where the administrator can cancel the ballot prematurely.

3. Special Requirements

Announcement

The administrators must convey to the KSOA when voting will take place, and the time window it will be up.

Time

The administrator creating the event must specify a certain time for the ballot to stop accepting votes.

4. Pre-conditions

Membership Status

For a ballot to be created, the member must have administrator status.

5. Post-conditions

Posted

The ballot has been created and awaiting posting time.

Error

The ballot was not created.

KSOA Website
Use Case Specification: UC15 Cast Vote

Version 1.1

Revision History

Date	Version	Description	Author
11/02/15	1.0	Creation	Nick Schuler
11/14/15	1.1	Update Flow of Events	Nick Schuler

Table of Contents

1. Cast Vote
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
 - 2.2.2 E-Mail
 - 2.2.3 Meeting
3. Special Requirements
 - 3.1 Operating System
 - 3.2 Radio Buttons
4. Pre-conditions
 - 4.1 First Time
 - 4.2 Voting Open
5. Post-conditions
 - 5.1 Success
 - 5.2 Failure

Use Case Specification: Cast Vote

1. Cast Vote

Brief Description

The KSOA members are able to vote for who is in charge and on the board.

2. Flow of Events

Basic Flow

Any member of the KSOA is able to cast their vote. Any member of the KSOA gets a single vote in each of the categories. During the time window voting is open, the members are able to cast a vote.

- Log into your member account
- Click on the voting section
- Click their selections to each of the voting categories
- Press submit

Alternative Flows

Cancel

There will be a cancel option. If you wanted to come back to vote later you could, as long as you stay in the voting time window.

E-Mail

If the system won't load the voting section for a single user, the user will have to send an e-mail to an admin, in which they will have to add that vote.

If the system doesn't work for the whole KSOA, they can send an e-mail to an admin, or do alternative flow "Meeting" (listed below).

Meeting

If the system doesn't work for the whole KSOA, an admin can send out a mass e-mail notifying the members, and allowing the members to e-mail in their vote, or at the next meeting they can vote there. The members must choose one or the other, and not both.

3. Special Requirements

Operating System

This will be done through WordPress, so whether the member is trying to use a Windows computer, or a Mac, they will be able to vote.

Radio Buttons

Each section in the voting page will be separated. In each of the sections is a set of radio buttons, allowing the user to select one and only one name from each voting category..

4. Pre-conditions

First Time

This must be your first time voting. You may not vote more than once. If you already voted and try to vote again, an error message will pop up.

Voting Open

The voting window has to be open in order for you to vote.

5. Post-conditions**Success**

Your vote was successfully cast.

Failure

Your vote was not submitted.

KSOA Website Use Case Specification: UC16 Review Results

Version 1.1

Revision History

Date	Version	Description	Author
11/04/15	1.0	Creation	Nick Schuler
11/14/15	1.1	Update Flow of Events	Nick Schuler

Table of Contents

1. Review Results
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Meeting
3. Special Requirements
 - 3.1 Admin
4. Pre-conditions
 - 4.1 Voting Complete
5. Post-conditions
 - 5.1 Displays
 - 5.2 Does Not Display

Use Case Specification: Review Results

1. Review Results

Brief Description

After the KSOA members have voted, the administrators will need to see the results so they know who won in each voting category.

2. Flow of Events

Basic Flow

- When voting time is over, an email will be sent to the system administrators
- Log into their account (administrator)
- Click Admin Portal
- Select voting section
- Select view voting results
- The results will display by category, with the number of votes next to each candidate/answer
- Can press submit to display it for the entire KSOA

Alternative Flows

Meeting

If the results aren't displaying due to a voting error,, the voting will have to take place in person at the next meeting.

3. Special Requirements

Admin

Only an admin can view the results.

4. Pre-conditions

Voting Complete

In order to view the voting results, the voting must be complete. Earlier, the administrator set up a time window in which voting can take place. The time must be over.

5. Post-conditions

Displays

The results display for the admin. Can notify members of winners.

Does Not Display

System error causing the results to not display for the admin.

KSOA Website

Use Case Specification: UC17 ViewCalendar

Version 1.0

Revision History

Date	Version	Description	Author
11/04/15	1.0	Use Case Created	Alec Robertson

Table of Contents

1. ViewCalendar
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
3. Special Requirements
 - 3.1 WordPress Calendar Plugin
4. Pre-conditions
 - 4.1 Calendar Link Clicked
5. Post-conditions
 - 5.1 Calendar Displayed

Use Case Specification: ViewCalendar

1. ViewCalendar

Brief Description

Displays the event calendar when the user selects it.

2. Flow of Events

Basic Flow

1. The use case starts when the user clicks the calendar link.
2. The system displays the calendar.

Alternative Flows

N/A

3. Special Requirements

1. WordPress Calendar Plugin

4. Pre-conditions

1. The user has clicked the calendar link.

5. Post-conditions

1. The calendar has been displayed

KSOA Website

Use Case Specification: UC18 AddEvent

Version 1.0

Revision History

Date	Version	Description	Author
10/24/15	1.0	Created Use Case	Alec Robertson

Table of Contents

1. AddEvent
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 WordPress Calendar Plugin
4. Pre-conditions
 - 4.1 Administrator Status
 - 4.2 Create Event Selected
5. Post-conditions
 - 5.1 Event Added
 - 5.2 Event Not Added

Use Case Specification: AddEvent

1. AddEvent

Brief Description

Allows site administrators to create an event and add it to the event calendar.

2. Flow of Events

Basic Flow

1. The use case starts when the user selects "Add Event."
2. The system displays a form with textboxes requesting event information.
3. The user enters the event name, date of the event, time of the event, and description of the event into the provided form.
4. The admin clicks submit.
5. The system adds the event to the selected day on the calendar and displays the title, time, and description.

Alternative Flows

Cancel

1. The use case starts when the user selects "Add Event."
2. The system displays a form with textboxes requesting event information.
3. The user enters the event title, date of the event, time of the event, and description of the event into the provided form.
4. They then click Cancel.
5. The system closes the form and does not submit the entered information.

3. Special Requirements

1. WordPress Calendar Plugin

4. Pre-conditions

1. The user is an administrator.
2. The user has clicked the "Add Event" link.

5. Post-conditions

1. Main flow: The new event has been added to the calendar.
2. Alternate flow: The calendar remains the same.

Revision History

Date	Version	Description	Author
10/24/15	1.0	Created Use Case	Alec Robertson

Table of Contents

1. AddEvent
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 WordPress Calendar Plugin
4. Pre-conditions
 - 4.1 Administrator Status
 - 4.2 Create Event Selected
5. Post-conditions
 - 5.1 Event Added
 - 5.2 Event Not Added

Use Case Specification: AddEvent

1. AddEvent

Brief Description

Allows site administrators to create an event and add it to the event calendar.

2. Flow of Events

Basic Flow

1. The use case starts when the user selects "Add Event."
2. The system displays a form with textboxes requesting event information.
3. The user enters the event name, date of the event, time of the event, and description of the event into the provided form.
4. The admin clicks submit.
5. The system adds the event to the selected day on the calendar and displays the title, time, and description.

Alternative Flows

Cancel

1. The use case starts when the user selects "Add Event."
2. The system displays a form with textboxes requesting event information.
3. The user enters the event title, date of the event, time of the event, and description of the event into the provided form.
4. They then click Cancel.
5. The system closes the form and does not submit the entered information.

3. Special Requirements

1. WordPress Calendar Plugin

4. Pre-conditions

1. The user is an administrator.
2. The user has clicked the "Add Event" link.

5. Post-conditions

1. Main flow: The new event has been added to the calendar.
2. Alternate flow: The calendar remains the same.

Revision History

Date	Version	Description	Author
11/04/15	1.0	Use Case Created	Alec Robertson

Table of Contents

1. DeleteEvent
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 WordPress Calendar Plugin
4. Pre-conditions
 - 4.1 Administrator Status
 - 4.2 Event Selected
5. Post-conditions
 - 5.1 Event Deleted
 - 5.2 No Change

Use Case Specification: DeleteEvent

1. DeleteEvent

Brief Description

Allows site administrators to delete an event from the event calendar.

2. Flow of Events

Basic Flow

1. The use case starts when the user selects an event and clicks "Delete Event."
2. The system displays a window asking "Are you sure?" and prompts "Delete" or "Cancel"
3. The user selects "Delete"
4. The system removes the event from the calendar and erases the information.

Alternative Flows

Cancel

1. The use case starts when the user selects an event and clicks "Delete Event."
2. The system displays a window asking "Are you sure?" and prompts "Delete" or "Cancel"
3. The user selects "Cancel"
4. The system closes the window and does not delete the event.

3. Special Requirements

1. WordPress Calendar Plugin

4. Pre-conditions

1. The user is an administrator.
2. The user has selected an event and clicked "Delete Event."

5. Post-conditions

1. Main flow: The selected event has been removed from the calendar.
2. Alternate flow: The calendar remains the same.

KSOA Website

Use Case Specification: UC21 Create Email

Version <1.0>

Revision History

Date	Version	Description	Author
10/30/15	1.0	Create Email	Jordan Johnson

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Invalid Information
 - 2.2.2 Cancel
3. Special Requirements
 - 3.1 Email function
4. Pre-conditions
 - 4.1 Logged in
5. Post-conditions
 - 5.1 Message Entered

Use Case Specification:UC21 Create Email

1. Use-Case Name: CreateEmail

Brief Description

Members will be able to create emails that contain important information to be communicated with other members.

2. Flow of Events

Basic Flow

1. Use case begins when a user, either a member or admin will log in
2. Click on the contact members page of the website
3. Clicks on the create Email button.
4. System provides a form for the users to enter the message
 - 2.1 User will enter the subject
 - 2.2 User enters message into the provided area.
5. User will ensure that all information is correct
6. User will proceed onto the select users page

Alternative Flows

CreateEmail: Invalid Information Entered

1. First alternative flow can happen at anytime within the flow when any invalid information has been entered such as having no subject for the email or having a misspelling of a word in the message.

Create Email: Cancel

1. Alternative flow can begin at anytime. The email can be exited and canceled anytime within the flow.

3. Special Requirements

1. A database must be created to store members email within the system

4. Pre-conditions

1. Member or admin must be logged in to website to access email function
2. Email function on website must be up and running

5. Post-conditions

1. Subject and message must have been entered into email

KSOA Website

Use Case Specification: UC22 Select Users

Version <1.0>

Revision History

Date	Version	Description	Author
10/30/15	1.0	Select Users	Jordan Johnson

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Mass Email
 - 2.2.2 Cancel
3. Special Requirements
 - 3.1 Members in list
4. Pre-conditions
 - 4.1 Created Email
5. Post-conditions
 - 5.1 Members Selected

Use Case Specification: UC22 SelectUsers

1. Use-Case Name

Brief Description

User will select which members they want to receive the email, this could be an individual member or a mass email to all members.

2. Flow of Events

Basic Flow

1. After email has been created user will select members they want to receive the email from the available list by clicking on their name.
2. User will click the submit button after all desired members have been selected.

Alternative Flows

SelectUsers: Mass Email

1. First alternative flow comes before selecting any members. Instead user can scroll to bottom of the list of members where they can select to send to all members.

SelectUsers: Cancel

1. Alternative flow can begin at anytime. Users can exit the select user screen and cancel the email.

3. Special Requirements

1. Must be an available list of members in the system to select from.

4. Pre-conditions

1. Email must have been created before users can be selected.
2. Must be an available list of members to be able to select.

5. Post-conditions

1. At least one member must have been selected from the list to receive the email

KSOA Website

Use Case Specification: UC23 Send Email

Version <1.0>

Revision History

Date	Version	Description	Author
10/30/15	1.0	Send Email	Jordan Johnson

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Save as draft
 - 2.2.2 Cancel
3. Special Requirements
 - 3.1 Server online
4. Pre-conditions
 - 4.1 Users selected
5. Post-conditions
 - 5.1 Email sent

Use Case Specification: UC23 Send Email

1. Send Email

Brief Description

After email is complete and the member(s) have been selected the user can send the email or save the email as a draft to be sent at a later date.

2. Flow of Events

Basic Flow

1. When Email is complete and members have been selected the user will click the send button at the bottom of the page.
2. After Email is complete Email window will close
3. Users will be returned to the email home page.

Alternative Flows

SendEmail:Save as draft

1. This alternative flow comes instead of clicking the submit button the users can select to save the message as a draft to be sent at a later date.

SendEmail:Cancel

1. Alternative flow can begin at anytime. User can exit the form and cancel the Email at anytime during the basic flow.

3. Special Requirements

1. Email server must be up and running in order for email to be sent

4. Pre-conditions

1. A message must have been composed and at least one user must have been selected to receive Email

5. Post-conditions

1. Email will have been sent to the selected users

KSOA Website

Use Case Specification: UC24 View Thread

Version <1.0>

Revision History

Date	Version	Description	Author
10/31/15	1.0	View Thread	Jordan Johnson

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 Function Running
4. Pre-conditions
 - 4.1 A least one post
5. Post-conditions
 - 5.1 View post

Use Case Specification: UC24 ViewThread

1. View Thread

Brief Description

Users can view previous threads posted by other members of the KSOA.

2. Flow of Events

Basic Flow

1. User either member or admin will click on the Training and Discussion section located in the banner at the top of the homepage.
2. User can scroll through all of the previous threads posted by other members.
 - 2.1 Users can click on individual threads to view the full post
 - 2.2 User can view additional comments and information

Alternative Flows

ViewThread: Cancel

Alternate flow can begin at anytime. User can exit the form of click on a different tab and not view any of the threads.

3. Special Requirements

1. Discussion board function must be up and running on the website

4. Pre-conditions

1. User must be logged into website
2. At least one previous thread must have been posted in order to have something for the user to view

5. Post-conditions

1. A thread would have been viewed or clicked on to open a larger view of the post.

KSOA Website
Use Case Specification: UC25 Create Post

Version <1.0>

Revision History

Date	Version	Description	Author
10/31/15	1.0	Create Post	Jordan Johnson

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
 - 2.2.2 Error
3. Special Requirements
 - 3.1 Discussion Board Running
4. Pre-conditions
 - 4.1 Discussion Board Running
5. Post-conditions
 - 5.1 Thread Posted

Use Case Specification: UC25 CreatePost

1. CreatePost

Brief Description

Members can post topics and training material to the discussion board to be viewed by other members.

2. Flow of Events

Basic Flow

1. User will click on the Training and Discussion section located in the banner at the top of the homepage.
2. User will click on create new post button located at the top of the training and discussion page.
3. User will enter message could be text or video
4. User will then click the submit button to post it to the discussion board.

Alternative Flows

Create Post: Error

1. Alternative flow can happen when post is submitted if any problem with file type of video an error message will appear.

Create Post: Cancel

1. Alternative flow can begin at anytime. The email can be exited and canceled anytime within the flow.

3. Special Requirements

1. Discussion board function must be up and running on the website

4. Pre-conditions

1. Discussion board must be running on website

5. Post-conditions

1. Thread would be posted on to discussion board.

KSOA Website

Use Case Specification: UC26 Comment on Post

Version <1.0>

Revision History

Date	Version	Description	Author
10/31/15	1.0	Comment on Post	Jordan Johnson

Table of Contents

- 1. Use-Case Name
 - 1.1 Brief Description
- 2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
- 3. Special Requirements
 - 3.1 Discussion Board Running
- 4. Pre-conditions
 - 4.1 Logged In
- 5. Post-conditions
 - 5.1 Comment Posted

Use Case Specification: UC26 CommentOnPost

1. Comment on Post

Brief Description

Members can view and comment on previous post from other members to discuss and provide suggestions.

2. Flow of Events

Basic Flow

1. User will click on the Training and Discussion section located in the banner at the top of the homepage.
2. User can scroll through all of the previous threads posted by other members.
 - 2.1 Users can click on individual threads to view the full post and see additional comments and information
3. User will then click on the comment button located at the bottom of the post
4. User will enter comment
5. Click submit button to post the comment

Alternative Flows

ViewThread: Cancel

Alternate flow can begin at anytime. User can exit the form of click on a different tab and not view any of the threads.

3. Special Requirements

1. Discussion board function must be up and running on the website

4. Pre-conditions

1. Must be logged in to website
2. At least one previous thread must have been posted in order to have something for the user to view

5. Post-conditions

1. Comment is posted onto thread

Use Case Specification: UC27 Delete Post

Version <1.0>

Revision History

Date	Version	Description	Author
10/31/15	1.0	Delete Post	Jordan Johnson

Table of Contents

1. Use-Case Name
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 Discussion Board Running
4. Pre-conditions
 - 4.1 Admin Logged In
5. Post-conditions
 - 5.1 Post Deleted

Use Case Specification: UC27 DeletePost

1. DeletePost

Brief Description

Admin can delete post if it is an irrelevant topic to be on the discussion board.

2. Flow of Events

Basic Flow

1. Admin logs in to website with username and password
2. Admin will click on the Training and Discussion tab located in the banner at the top of the homepage.
3. Admin can scroll through all of the previous threads posted by other members.
4. Admin will click the delete button at the bottom of the the post that they wish to delete

Alternative Flows

ViewThread: Cancel

Alternate flow can begin at anytime. Admin can exit the form of click on a different tab and not view any of the threads.

3. Special Requirements

1. Discussion board function must be up and running on the website

4. Pre-conditions

1. Admin must be logged into website
2. Must be at least one post on discussion board to delete

5. Post-conditions

1. Post or comment will be delete from the discussion board

KSOA Website Use Case Specification: UC28 RequestAssessment

Version 1.0

Revision History

Date	Version	Description	Author
11/04/15	1.0	Use Case Created	Alec Robertson

Table of Contents

1. RequestAssessment
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 Email
4. Pre-conditions
 - 4.1 Member Status
 - 4.2 Link Clicked
5. Post-conditions
 - 5.1 Assessment Submitted

Use Case Specification: RequestAssessment

1. RequestAssessment

Brief Description

Allows site members to submit a request to have their performance assessed by an assessor.

2. Flow of Events

Basic Flow

1. The use case starts when the user selects "Request Assessment."
2. The system displays a form with textboxes requesting referee information and information about when and where they would like to be assessed.
3. The user enters the following: first name, last name, email, phone number, grade level, game date, game time, game location, and assessment type.
4. The user clicks "Submit."
5. The system records the entry and emails the information to the administrators.

Alternative Flows

Cancel

1. The use case starts when the user selects "Request Assessment."
2. The system displays a form with textboxes requesting referee information and information about when and where they would like to be assessed.
3. The user enters the following: first name, last name, email, phone number, grade level, game date, game time, game location, and assessment type.
4. The user clicks "Cancel."
5. The system closes the form and does not save the information.

3. Special Requirements

1. Email

4. Pre-conditions

1. The user is a member.
2. The user has clicked the "Request Assessment" link.

5. Post-conditions

1. The assessment form has been sent to the administrators

Revision History

Date	Version	Description	Author
11/05/15	1.0	Use Case Created	Alec Robertson

Table of Contents

1. ReviewAllAssessments
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
3. Special Requirements
 - 3.1 Document Uploading
4. Pre-conditions
 - 4.1 Member Status
 - 4.2 Link Clicked
5. Post-conditions
 - 5.1 Assessments Displayed

Use Case Specification: ReviewAllAssessments

1. ReviewAllAssessments

Brief Description

Allows the administrators to view all completed assessments.

2. Flow of Events

Basic Flow

1. The use case starts when the user selects "Review All Assessments."
2. The system displays all completed assessments.

Alternative Flows

N/A

3. Special Requirements

1. Ability to upload documents.

4. Pre-conditions

1. The user is an administrator.
2. The user has clicked the "Review All Assessments" link.

5. Post-conditions

1. The completed assessments have been displayed.

KSOA Website Use Case Specification: ReviewPersonalAssessment

Version 1.0

Revision History

Date	Version	Description	Author
11/06/15	1.0	Use Case Created	Alec Robertson

Table of Contents

1. ReviewPersonalAssessment
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
3. Special Requirements
 - 3.1 Document Uploading
4. Pre-conditions
 - 4.1 Member Status
 - 4.2 Assessment Received
 - 4.3 Assessment Selected
5. Post-conditions
 - 5.1 Assessment Displayed

Use Case Specification: ReviewPersonalAssessment

1. ReviewPersonalAssessment

Brief Description

Allows site members to review completed assessments they have received.

2. Flow of Events

Basic Flow

1. The use case starts when the user selects a received assessment and clicks "Review Assessment."
2. The system displays the selected document.

Alternative Flows

N/A

3. Special Requirements

1. Ability to upload documents

4. Pre-conditions

1. The user is a member.
2. The user has received at least one assessment.
3. The user has selected an assessment and clicked "Review Assessment."

5. Post-conditions

1. The selected assessment has been displayed.

KSOA Website Use Case Specification: UC31 PostInformation

Version 1.0

Revision History

Date	Version	Description	Author
11/06/15	1.0	Created Use Case	Alec Robertson

Table of Contents

1. PostInformation
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
3. Special Requirements
 - 3.1 WordPress Text Editor
4. Pre-conditions
 - 4.1 Administrator Status
 - 4.2 Post Information Clicked
5. Post-conditions
 - 5.1 Information Added
 - 5.2 Information Not Added

Use Case Specification: PostInformation

1. PostInformation

Brief Description

Allows site administrators to post organizational information.

2. Flow of Events

Basic Flow

1. The use case starts when the user clicks "Post Information."
2. The system provides a text editor in which the user can write about the organization and/or list leaders and contact information.
3. The user clicks "Submit."
4. The system updates the site to display the submitted text.

Alternative Flows

Cancel

1. The use case starts when the user clicks "Post Information."
2. The system provides a text editor in which the user can write about the organization and/or list leaders and contact information.
3. The user clicks "Cancel."
4. The system closes the editor and discards any inputted information.

3. Special Requirements

1. WordPress Text Editor

4. Pre-conditions

1. The user is an administrator.
2. The user has clicked the "Post Information" link.

5. Post-conditions

1. Main flow: The new organizational information has been added to the site.
2. Alternate flow: The site remains the same.

KSOA Website Use Case Specification: UC32 Update Information

Version 1.0

Revision History

Date	Version	Description	Author
11/06/15	1.0	Created Use Case	Alaa Hawsawi

Table of Contents

- 1. Update Information
 - 1.1 Brief Description
- 2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
- 3. Special Requirements
 - 3.1 WordPress Text Editor
- 4. Pre-conditions
 - 4.1 Administrator Status
 - 4.2 Update Information Clicked
- 5. Post-conditions
 - 5.1 Information Updated
 - 5.2 Information Not Updated

Use Case Specification: Update Information

1. Update Information

Brief Description

Allows site administrators to update the displayed organizational information.

2. Flow of Events

Basic Flow

1. The use case starts when the admin clicks "Admin Portal"
2. Then "Manage Homepage."
3. then admin click on the edit icon
4. The system displays the current information within the text editor and allows the user to edit it.
5. The user clicks "Submit."
6. The system updates the site to display the submitted text.

Alternative Flows

Cancel

1. The use case starts when the user clicks "Post Information."
2. The system displays the current information within the text editor and allows the user to edit it.
3. The user clicks "Cancel."
4. The system closes the editor and discards any inputted information.

3. Special Requirements

1. WordPress Text Editor

4. Pre-conditions

1. The user is an administrator.
2. The user has clicked the "Manage Homepage" link.

5. Post-conditions

1. Main flow: The new organizational information has been updated.
2. Alternate flow: The site remains the same.

Revision History

Date	Version	Description	Author
10/24/15	1.0	Creation	Alaa Hawsawi

Table of Contents

1. Create Links
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1.Cancel
 - 2.2.2.Email
3. Special Requirements
 - 3.1 Web page
4. Pre-conditions
 - 4.1 Important links
5. Post-conditions
 - 5.1 Successful to posting the links
 - 5.2 Failed to posting the links

Use Case Specification: Create Links

1. Use-Case Name

Brief Description

Create Links is posting important URL link to the KOSA website of some websites for the user.

2. Flow of Events

Basic Flow

1. The admin clicks on " admin portal"
2. Then clicks on "manage links"
3. Then clicks on "add a new link"
4. The admin type the URL address then click submit.

Alternative Flows

Cancel

1. The admin clicks on " admin portal"
2. Then clicks on "manage links"
3. Then clicks on "add a new link"
4. The admin type the URL address then click cancel.

Email

Since all the links are URL's and websites, the administrator can email the links to the members

3. Special Requirements

Web page

The administrator needs a web page to submit the links.

4. Pre-conditions

Important links

In order to create links you need to know the links of the websites.

5. Post-conditions

Success posting the links

The Member will be able to view the links

Fail posting the links

The administrator will get an error message.

KSOA Website Use Case Specification: UC34 View Links

Version 1.0

Revision History

Date	Version	Description	Author
10/31/15	1.0	Creation	Alaa Hawsawi

Table of Contents

1. View Links
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1.Cancel
3. Special Requirements
 - 3.1 Link page
4. Pre-conditions
 - 4.1 At least one link
5. Post-conditions
 - 5.1 View links

Use Case Specification: View Links

1. Use-Case Name

Brief Description

Users are able to view link post by administrator

2. Flow of Events

Basic Flow

1. The admin/members/visitor clicks on " important links"
2. then the user click on the link
3. new page will open

Alternative Flows

Cancel

1. The admin/members/visitor clicks on " important links"
2. then the user click on the link
3. new page will open
4. close the page

3. Special Requirements

Link page must be up to view it.

4. Pre-conditions

At least one link post in the page to user to view.

5. Post-conditions

User can view the link .

KSOA Website

Use Case Specification: UC35 Create Forms

Version 1.0

Revision History

Date	Version	Description	Author
10/31/15	1.0	Creation	Alaa Hawsawi

Table of Contents

1. Create forms
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1.Cancel
 - 2.2.2.Email
 - 2.2.3.In person
3. Special Requirements
 - 3.1. Forms page.
 - 3.2. PDF application
4. Pre-conditions
 - 4.1 PDF files
5. Post-conditions
 - 5.1. Successful to post the forms
 - 5.2. Failed to Post the forms

Use Case Specification: Create Forms

1. Use-Case Name

Brief Description

Create forms is easy way post form online

2. Flow of Events

2.1 Basic Flow

1. The admin clicks on " admin portal"
2. Then clicks on "manage forms"
3. Then clicks on "add a new form"
4. Then select the PDF file then open
5. Then click submit to upload the form

2.2 Alternative Flows

2.2.1. *Cancel*

The Administrator clicks the back button on the browser or click on any tap on the website

2.2.2. *Email*

The Administrator sends the forms to member via email

2.2.3. *In person*

The manager meets the members and give them the forms.

3. Special Requirements

- 4.1. Forms page.
- 4.2. PDF application

4. Pre-conditions

- 9.1. Write the form in PDF files.

5. Post-conditions

10.2. Success posting the forms

Member will be able to view and fill the forms.

10.3. Fail Posting the forms

The administrator will get an error message.

KSOA Website Use Case Specification: UC36 View Forms

Version 1.0

Revision History

Date	Version	Description	Author
10/31/15	1.0	Creation	Alaa Hawsawi

Table of Contents

1. View Forms
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1.Cancel
 - 2.2.2.Email
 - 2.2.3.In person
3. Special Requirements
 - 3.1 Form page
4. Pre-conditions
 - 4.1 At least one form
5. Post-conditions
 - 5.1. View form
 - 5.2. Fill form

Use Case Specification: View Forms

1. Use-Case Name

Brief Description

Users are able to view and fill form post by administrator

2. Flow of Events

2.1 Basic Flow

1. The admin/members/visitor clicks on tap down "Become an official "
2. Then clicks on "Forms"
3. Then clicks on the form you want.
4. Then fill the form
5. Then clicks submit.

2.2 Alternative Flows

2.2.1. *Cancel*

The users click the back button on the browser or click on any tap on the website.

2.2.2. *Email*

The users ask the manger to send the forms to them via email.

2.2.3. *In person*

The users meet up with manger in person.

3. Special Requirements

- 3.1 Form page must be up to view it.

4. Pre-conditions

- 4.1 At least one form post in the page to user to view.

5. Post-conditions

- 5.1 User can view the form.
- 5.2 fill the forms

Revision History

Date	Version	Description	Author
10/27/15	1.0	Initial Draft	Joshua Grimaud

Table of Contents

1. Retrieve Account
 - 1.1 Brief Description
2. Flow of Events
 - 2.1 Basic Flow
 - 2.2 Alternative Flows
 - 2.2.1 Cancel
 - 2.2.2 Invalid Credentials
3. Special Requirements
 - 3.1 Database
 - 3.2 Database
4. Pre-conditions
 - 4.1 Operational considerations
 - 4.2 Active account
 - 4.3 Email and password fields in member table
5. Post-conditions
 - 5.1 User ID sent via email
 - 5.2 Link to reset password sent via email
 - 5.3 Users not in system cannot retrieve details

Use Case Specification: UC37 Retrieve Account

1. Retrieve Account

Brief Description

The system allows a User or Admin to retrieve their personal account credentials in the case they are lost/forgotten.

2. Flow of Events

Basic Flow

1. The use case begins when a User or Administrator select the link “Click Here” underneath the “Forgot your User ID or Password?” prompt.
2. The system provides a partial form for the User or Admin to enter their email address.
 - 2.1. The system verifies an account with that email exists.
 - 2.2. If the account exists, the system sends a generated email to the specified User or Administrator with:
 - 2.2.1. The registered User Name associated with the account.
 - 2.2.2. A link to reset their password.

Alternative Flows

Retrieve Account: Cancel

1. The alternative flow begins at any time after step 1 of the basic flow. The User or Admin cancels the account retrieval process.

Retrieve Account: Invalid Email

1. The alternative flow begins during step 2.1 of the basic flow. The system notifies the User or Admin that they provided an invalid email address.

3. Special Requirements

1. A database must be used to verify the email exists in the member table.
2. A database must be able to update the specified user’s password.

4. Pre-conditions

1. The website and database must be up and running.
2. A User or Admin must have an active account.
3. Email and password fields must exist in the database.

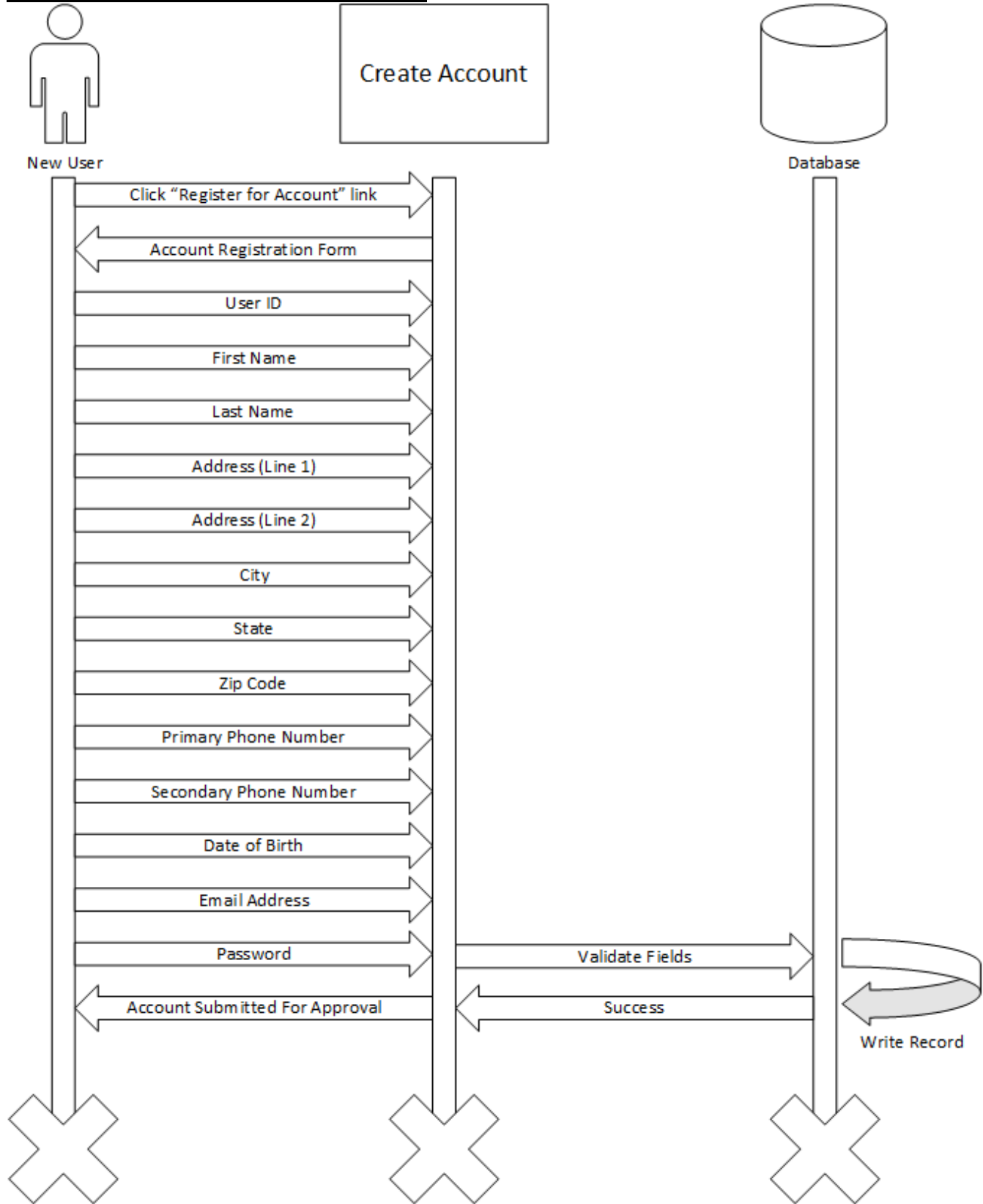
5. Post-conditions

1. The User or Admin retrieves their User ID via email.
2. The User or Admin is provided a secure link to reset their password via email.
3. Users not in system cannot retrieve another member’s credentials.

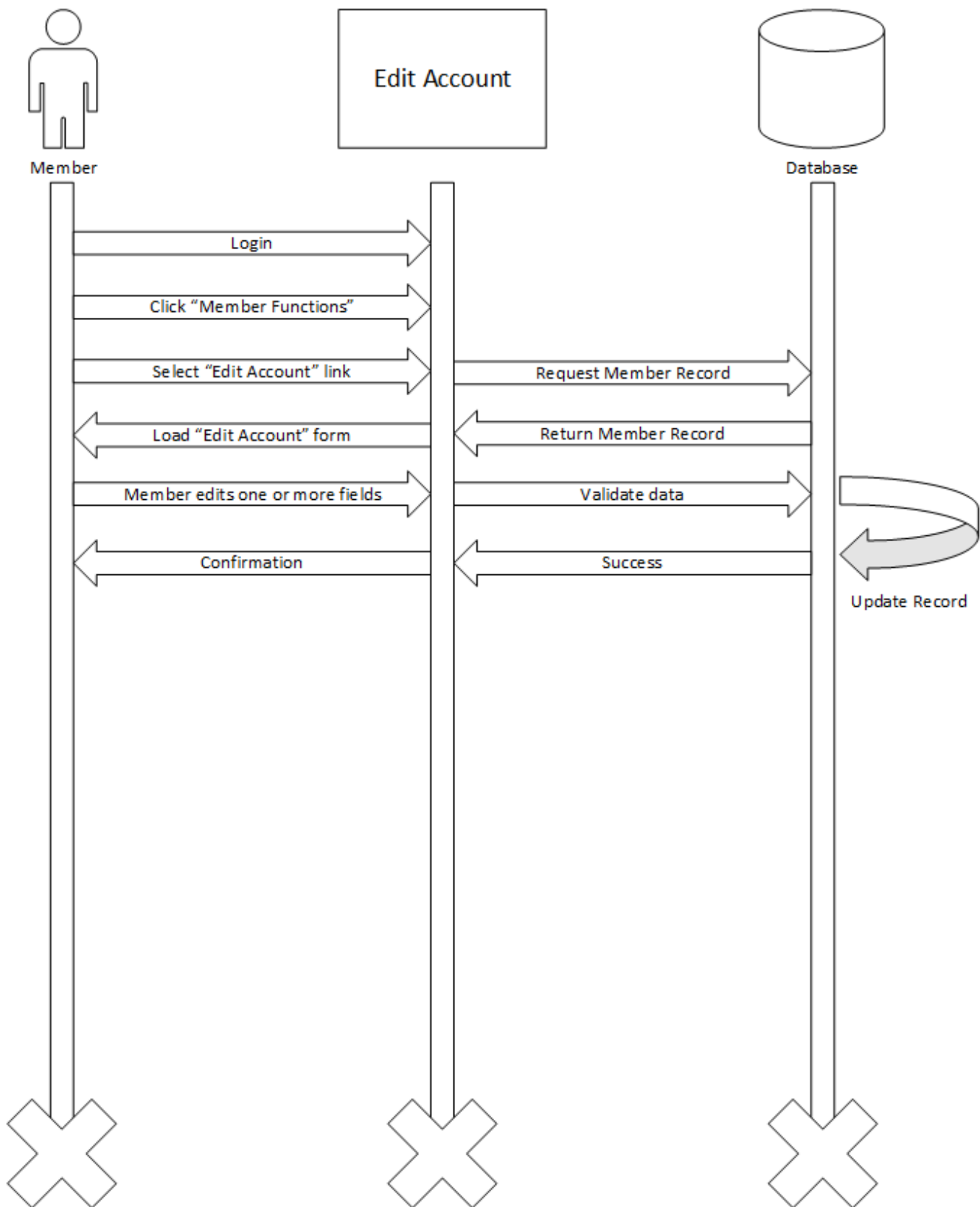
Sequence Diagram Narrative

Sequence diagrams show how actors interact with a system, and vice versa. On each diagram there are three objects at the top with lifelines extending beneath them. These lines end in X's, or termination points. The actor is represented by an appropriate symbol from the use case diagram. The box in the middle is the system designed to execute the use case. The cylinder on the right represents the data layer, or database required to execute the use case. The arrows that move between lifelines represent messages or interactions that take place in sequential order from the top of the diagram moving down.

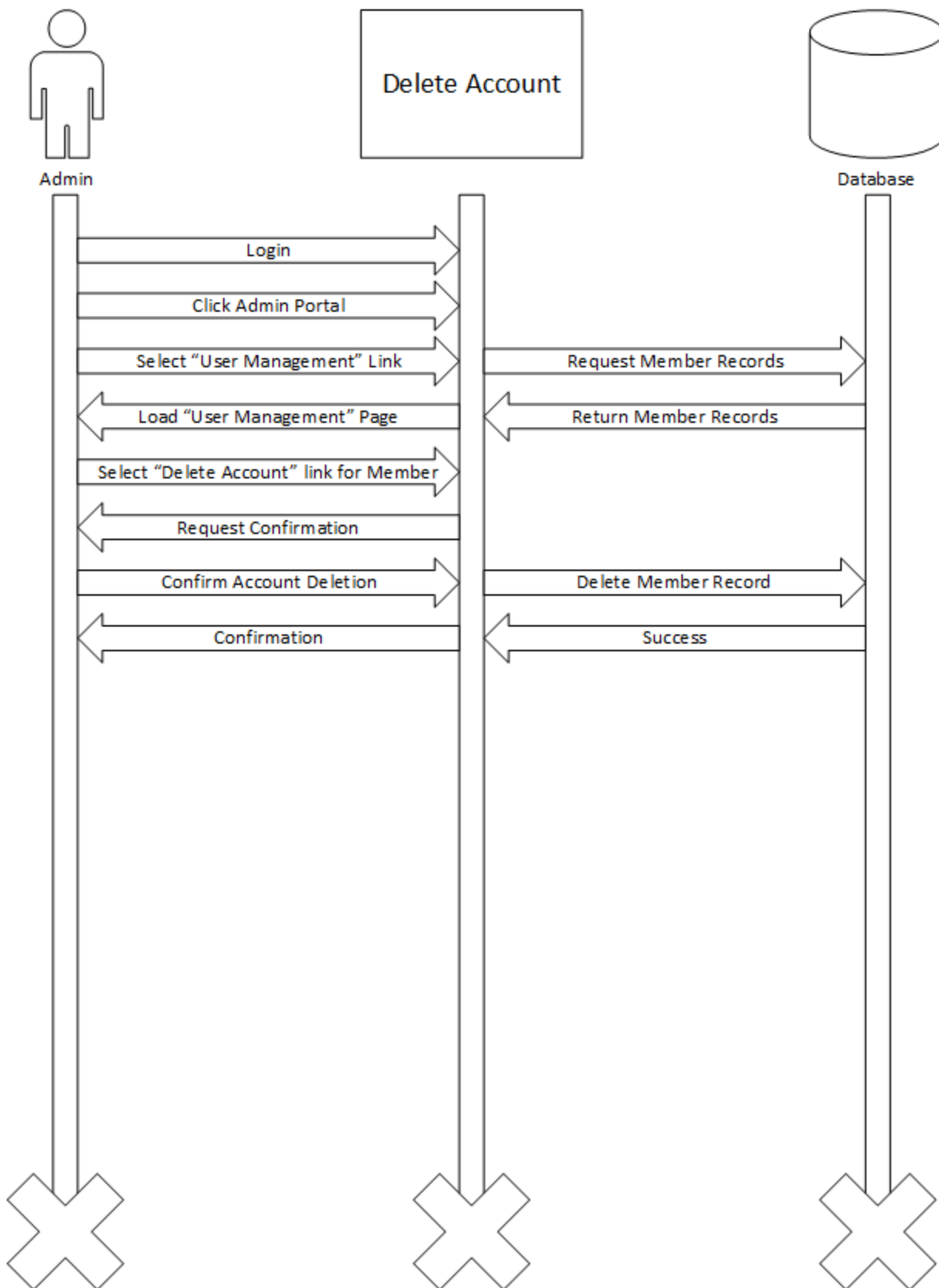
UC1 - Create Account Sequence Diagram



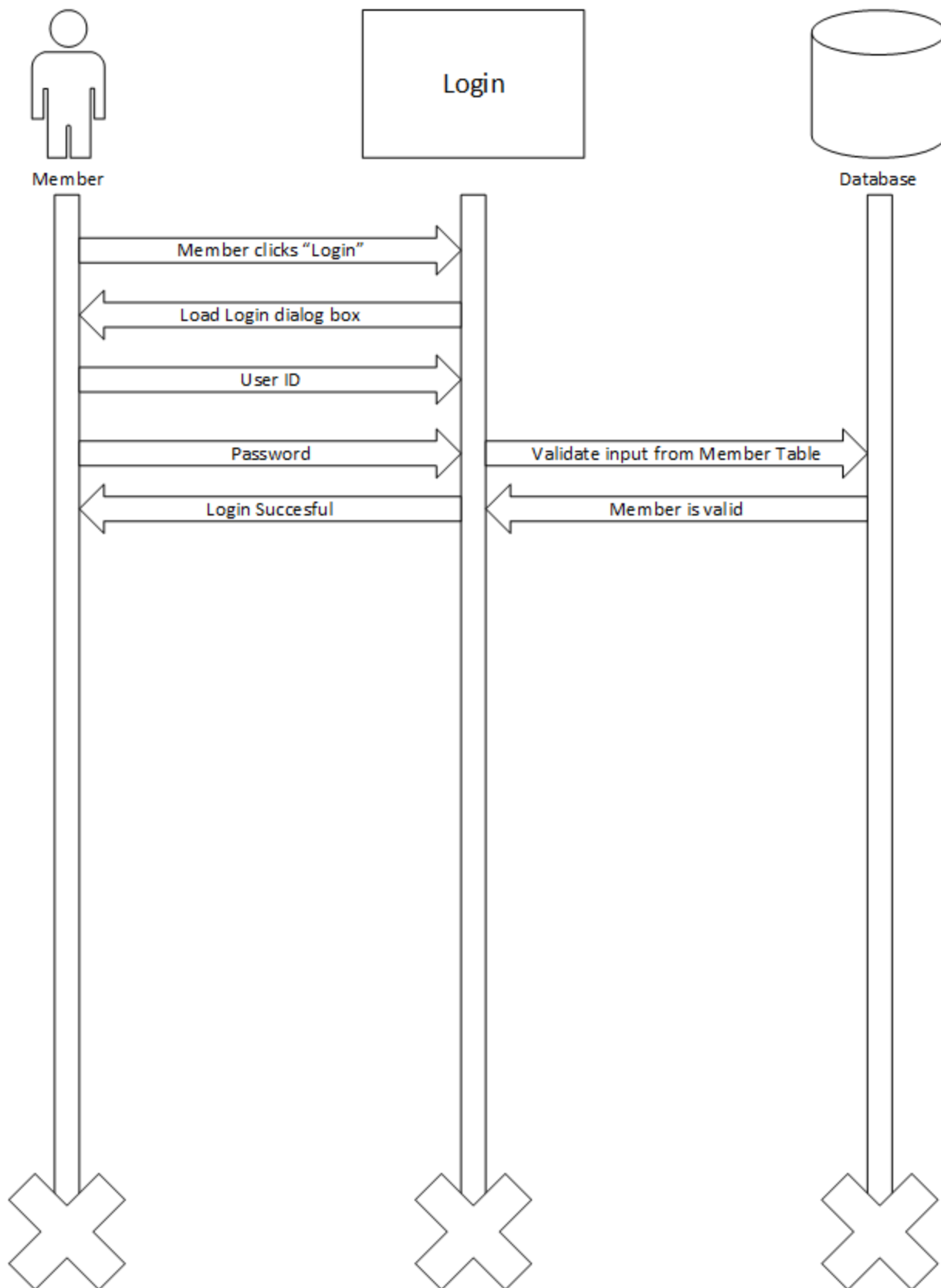
UC2 - Edit Account Sequence Diagram



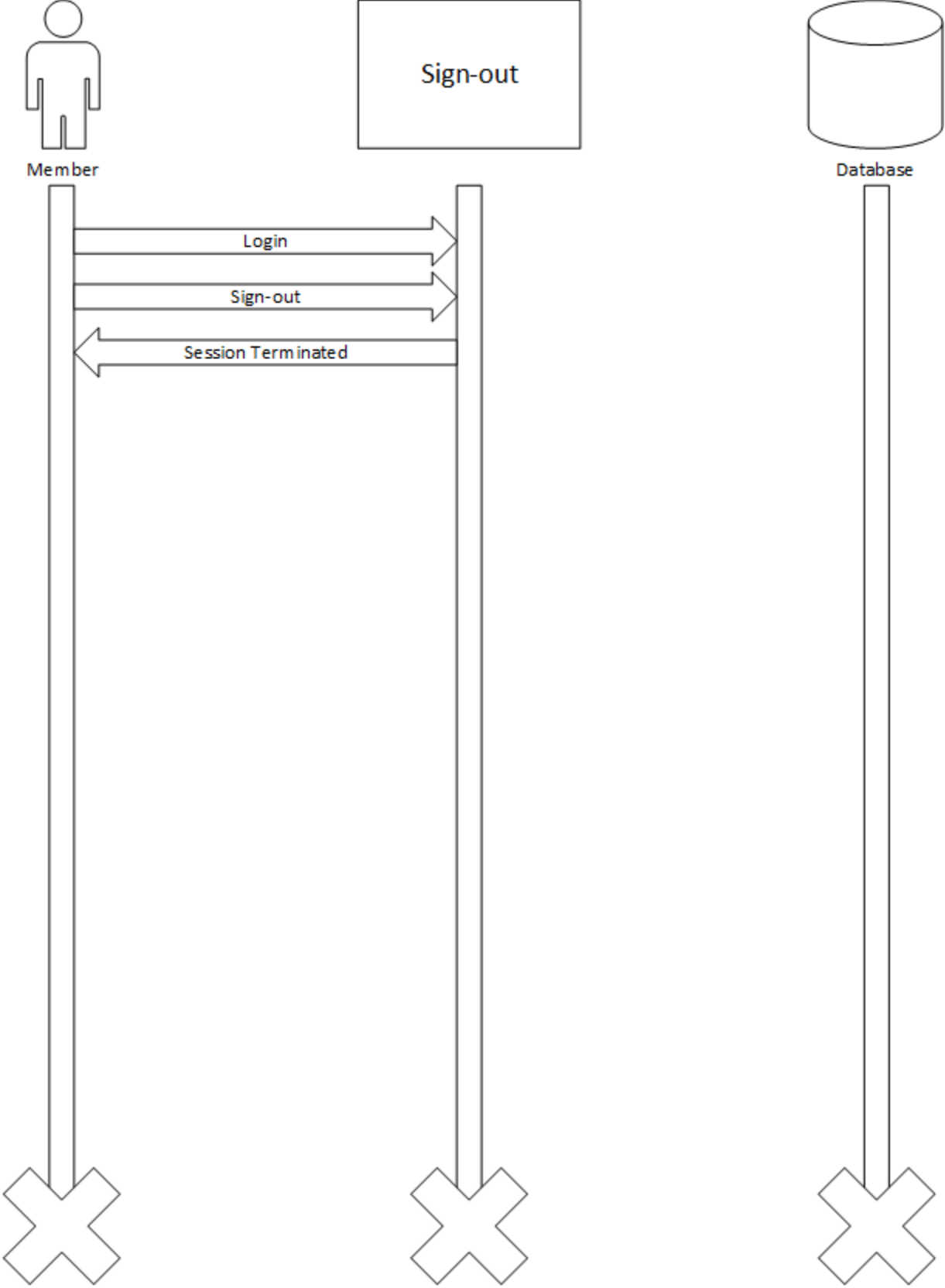
UC3 - Delete Account



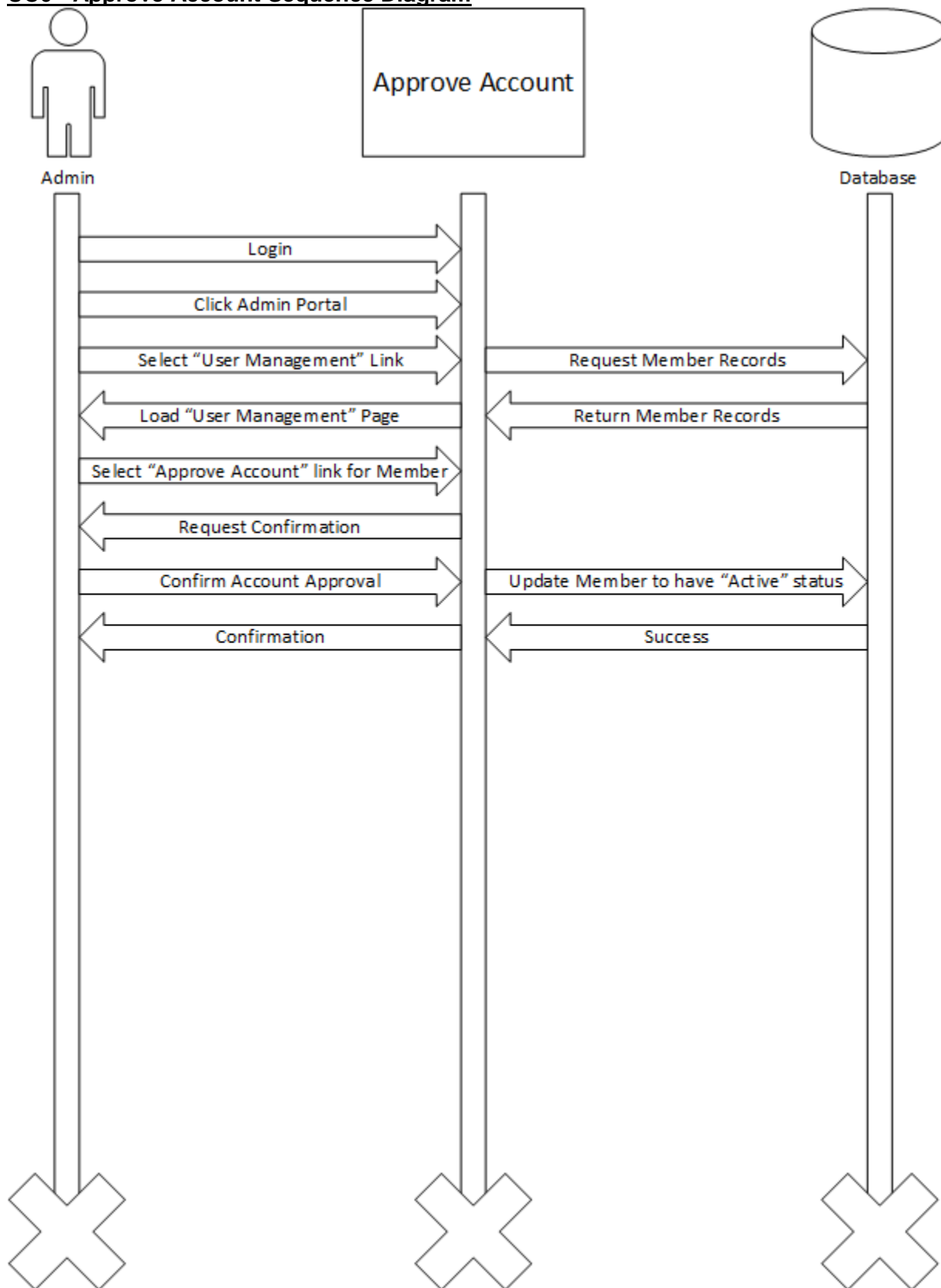
UC4 - Login to Account Sequence Diagram



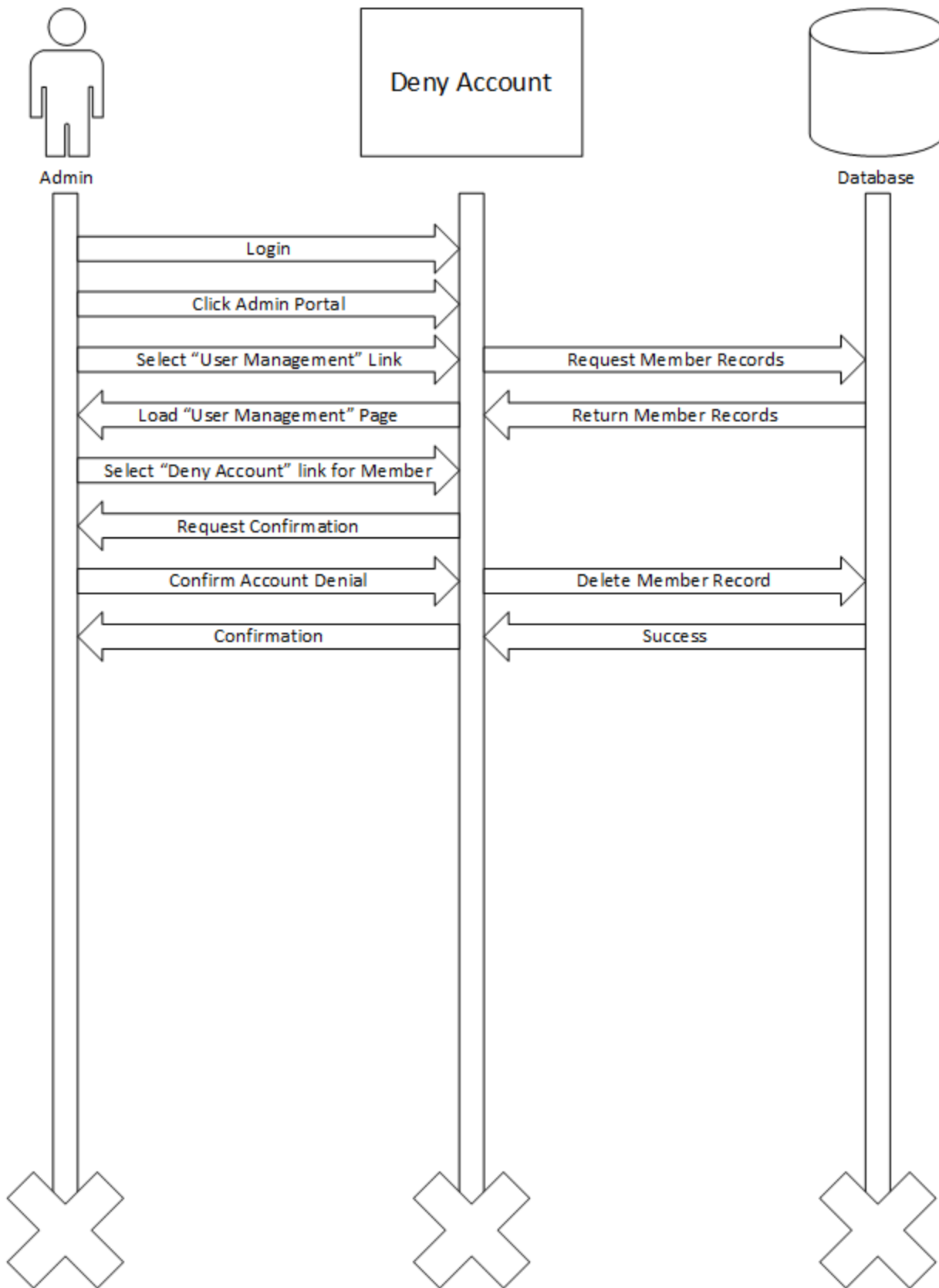
UC5 - Sign-out of Account Sequence Diagram



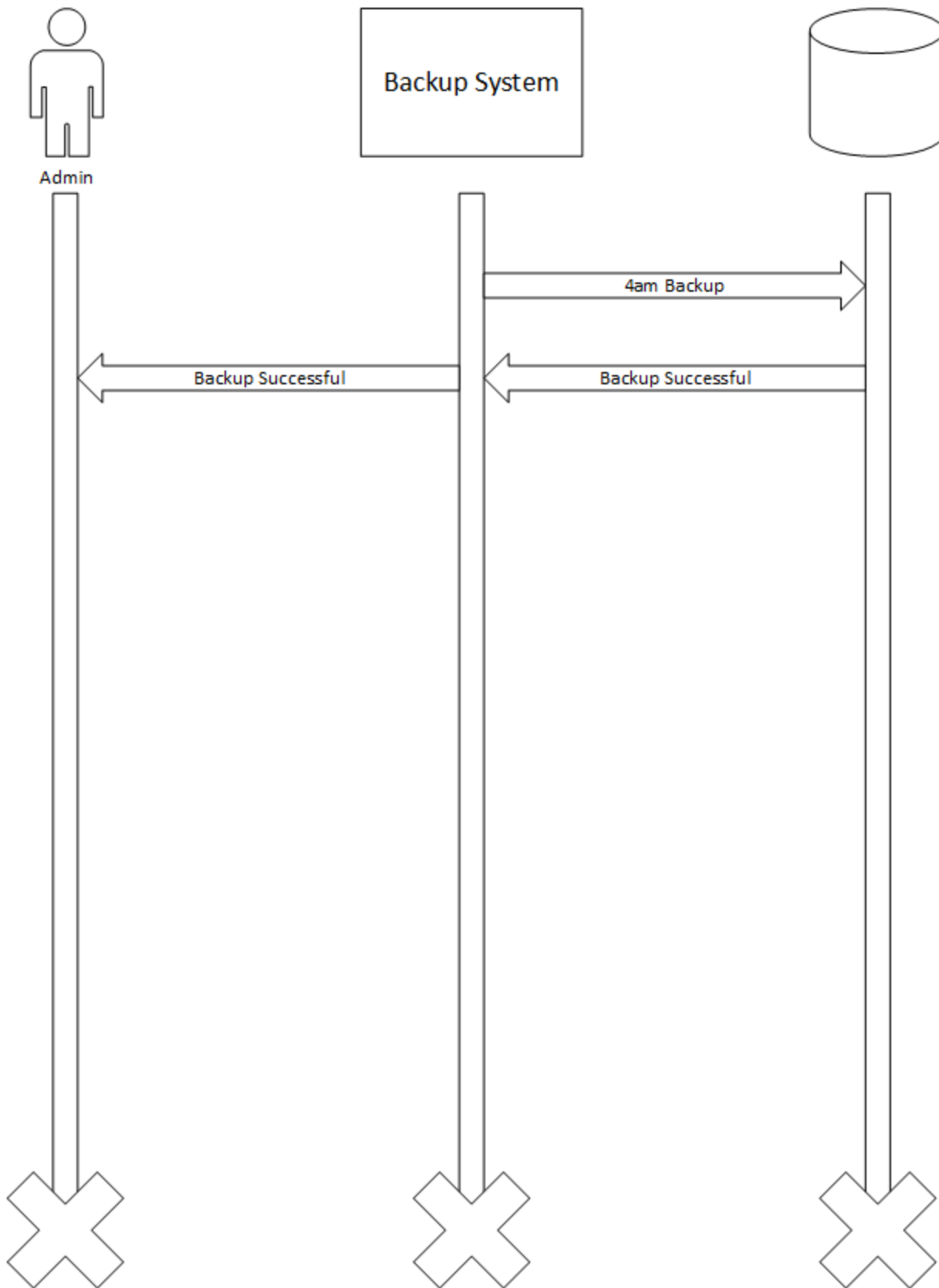
UC6 - Approve Account Sequence Diagram



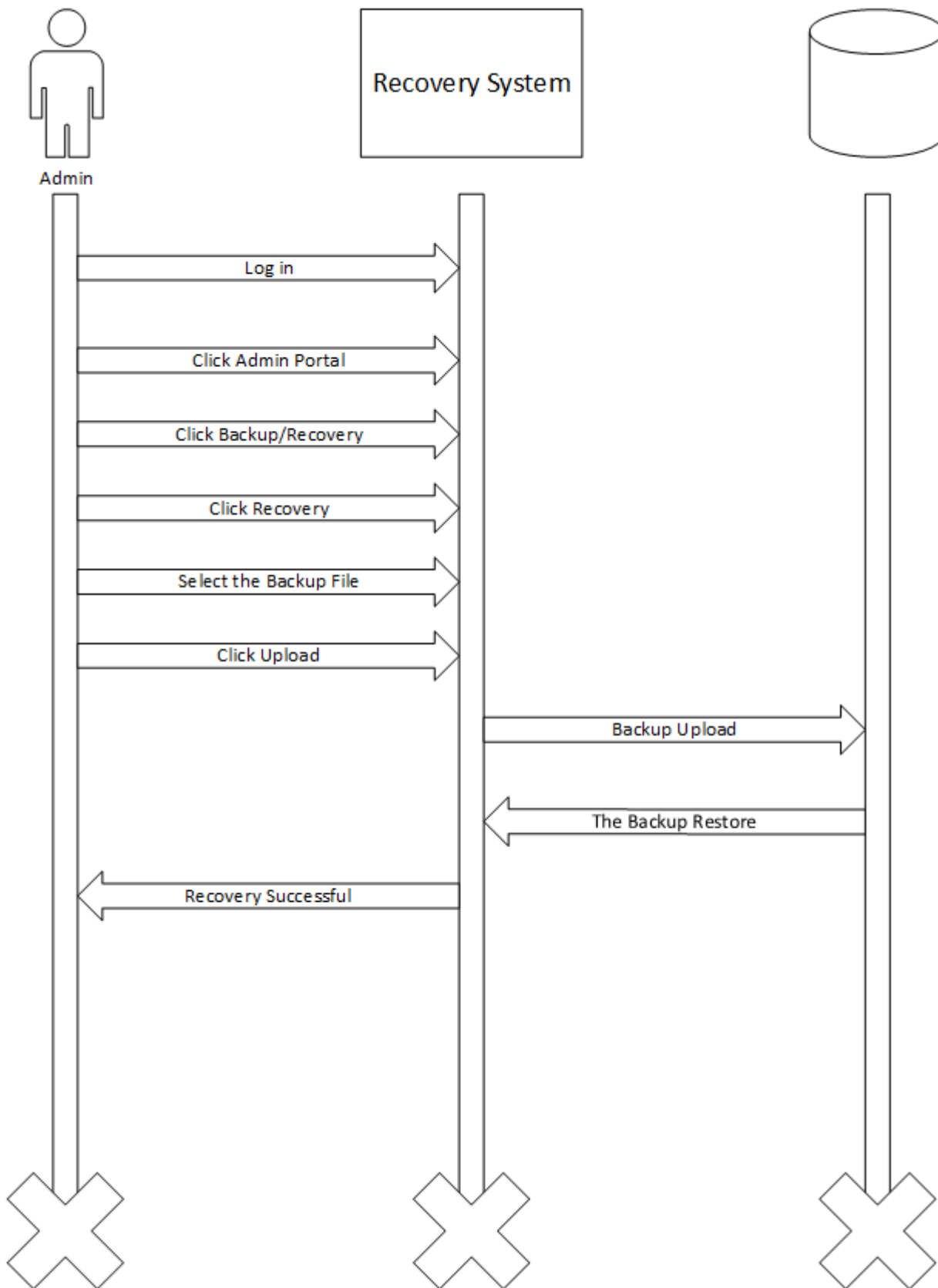
UC7 - Deny Account Sequence Diagram



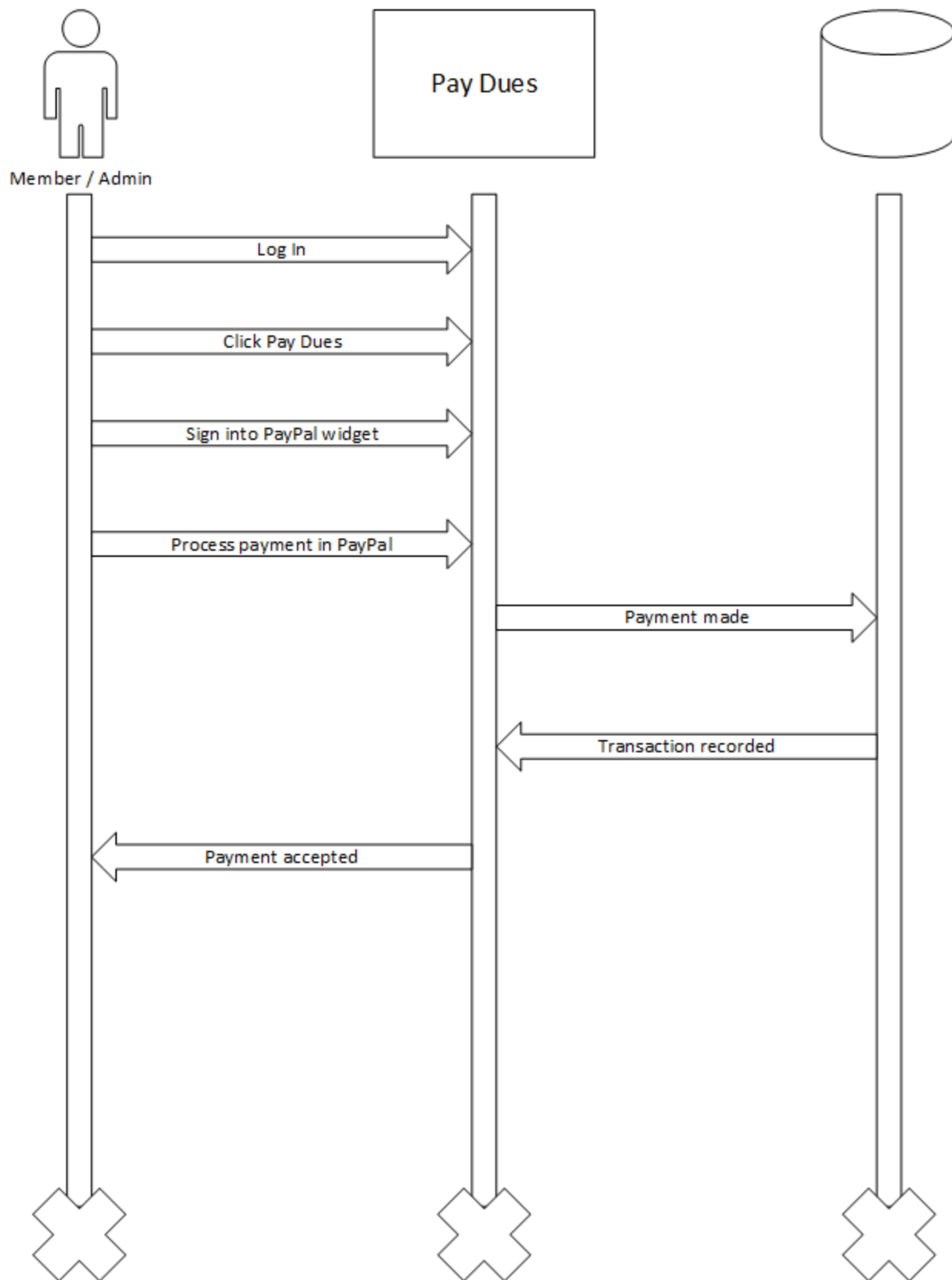
UC8 – Backup System



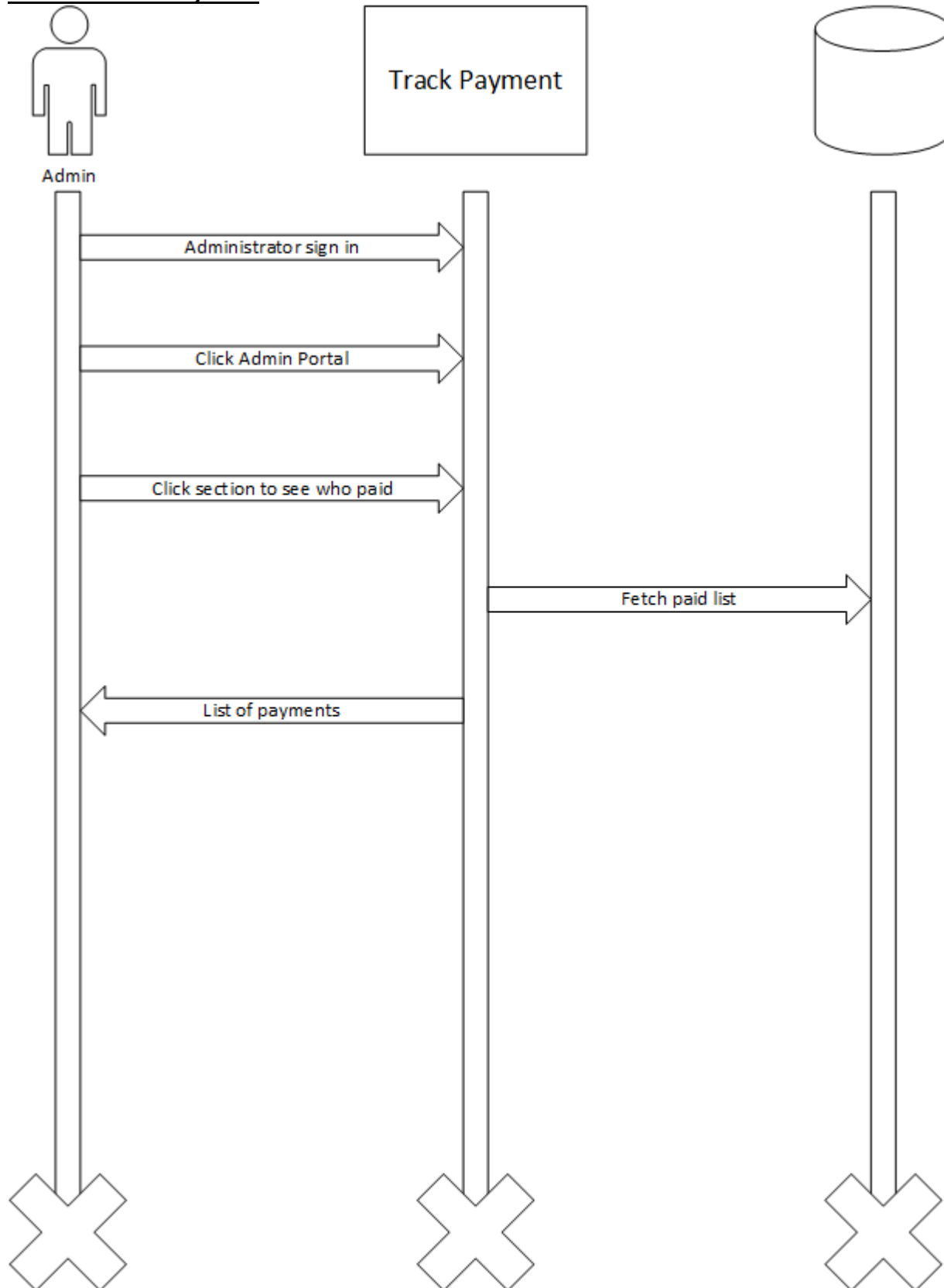
UC9 – System Recovery



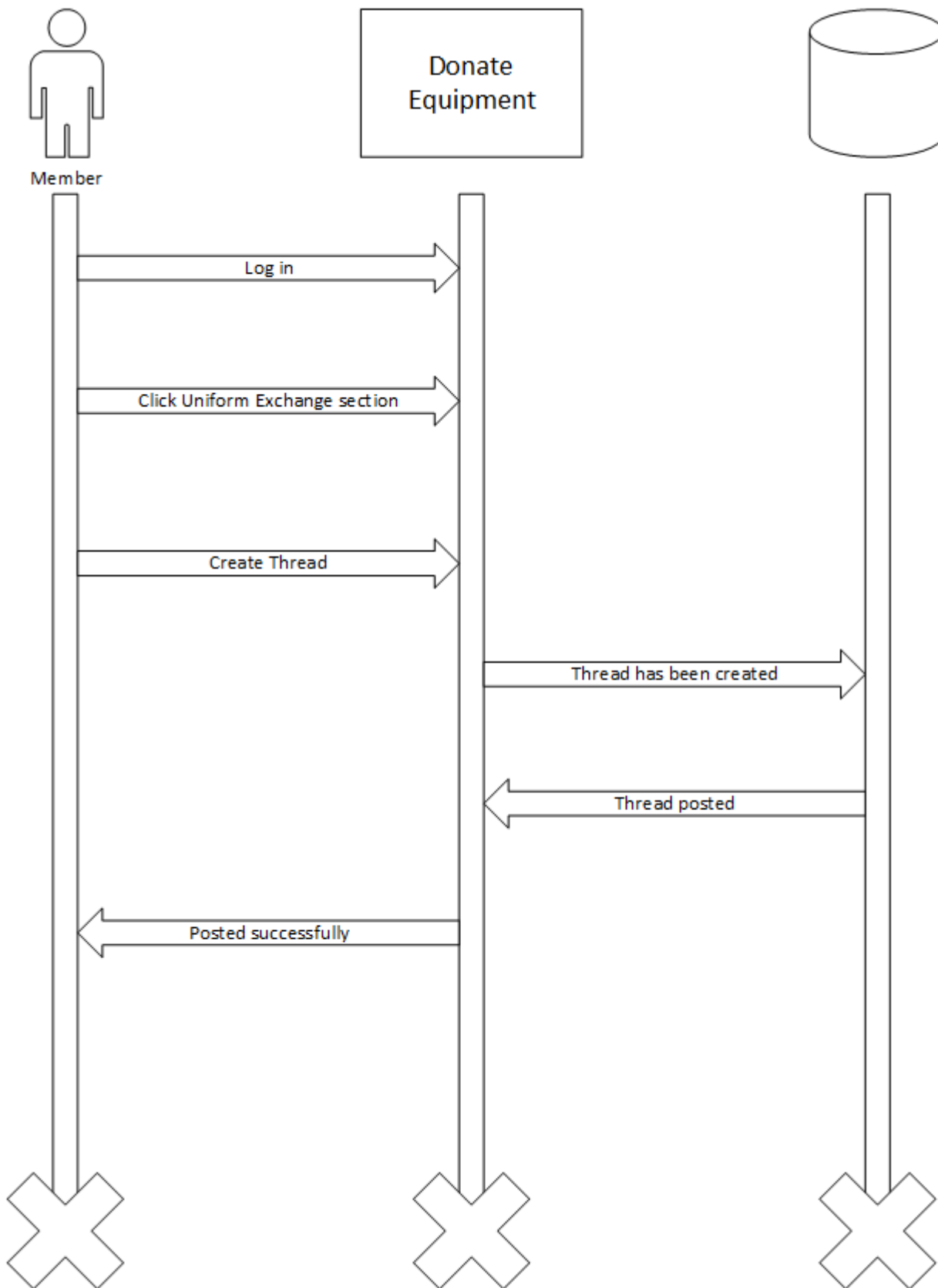
UC10 – Pay Dues



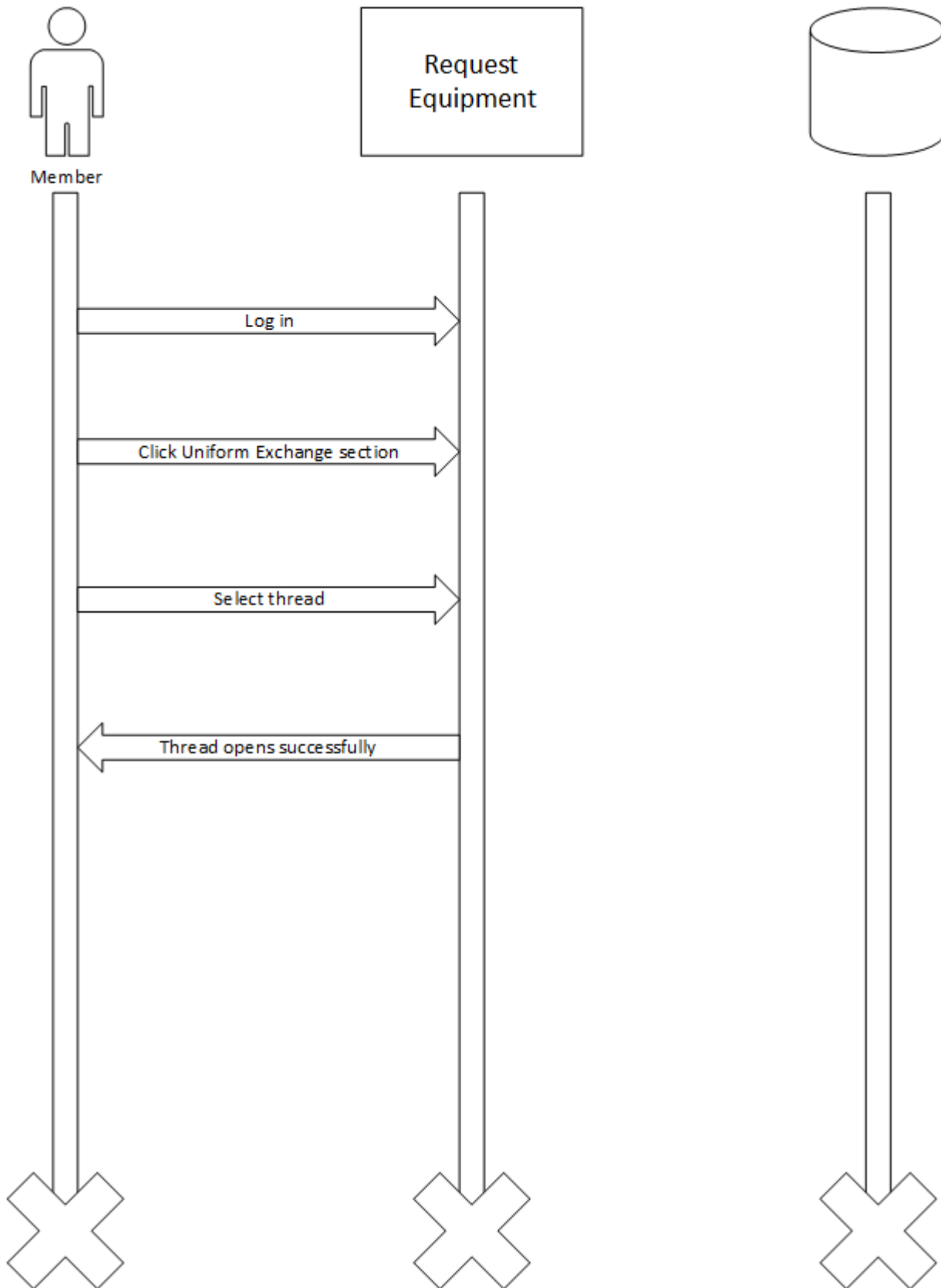
UC 11 – Track Payment



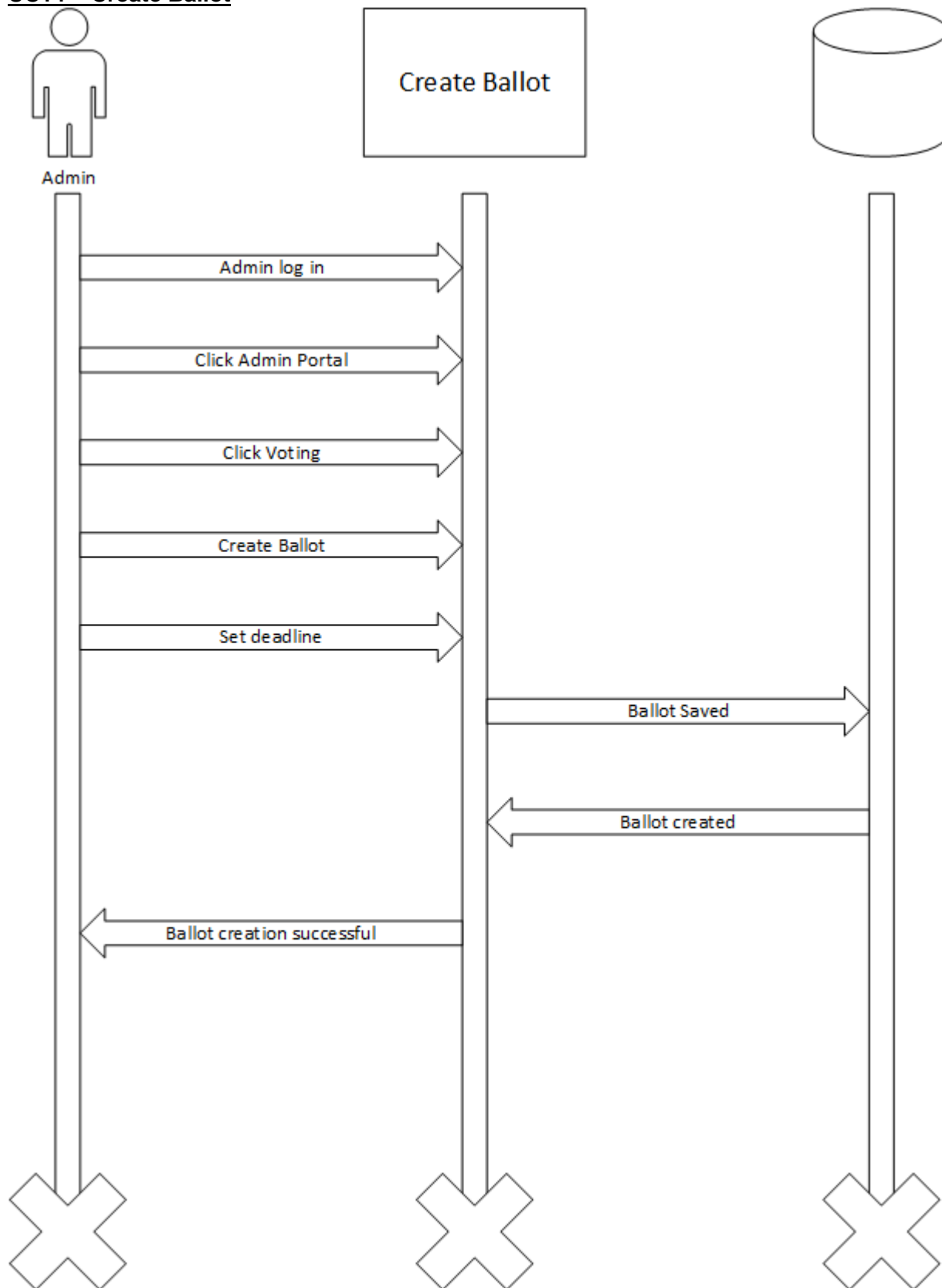
UC12 – Donate Equipment



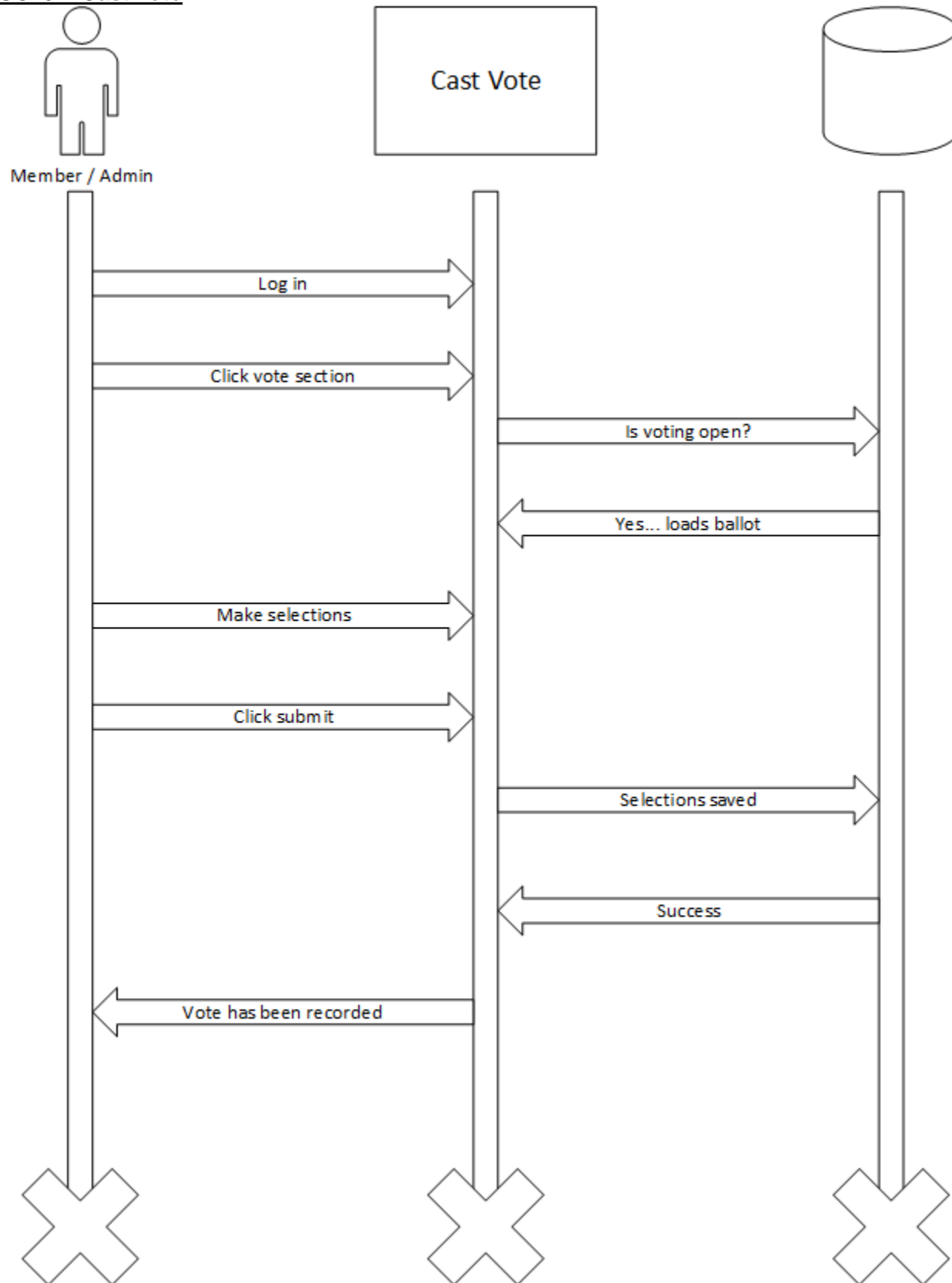
UC13 – Request Equipment



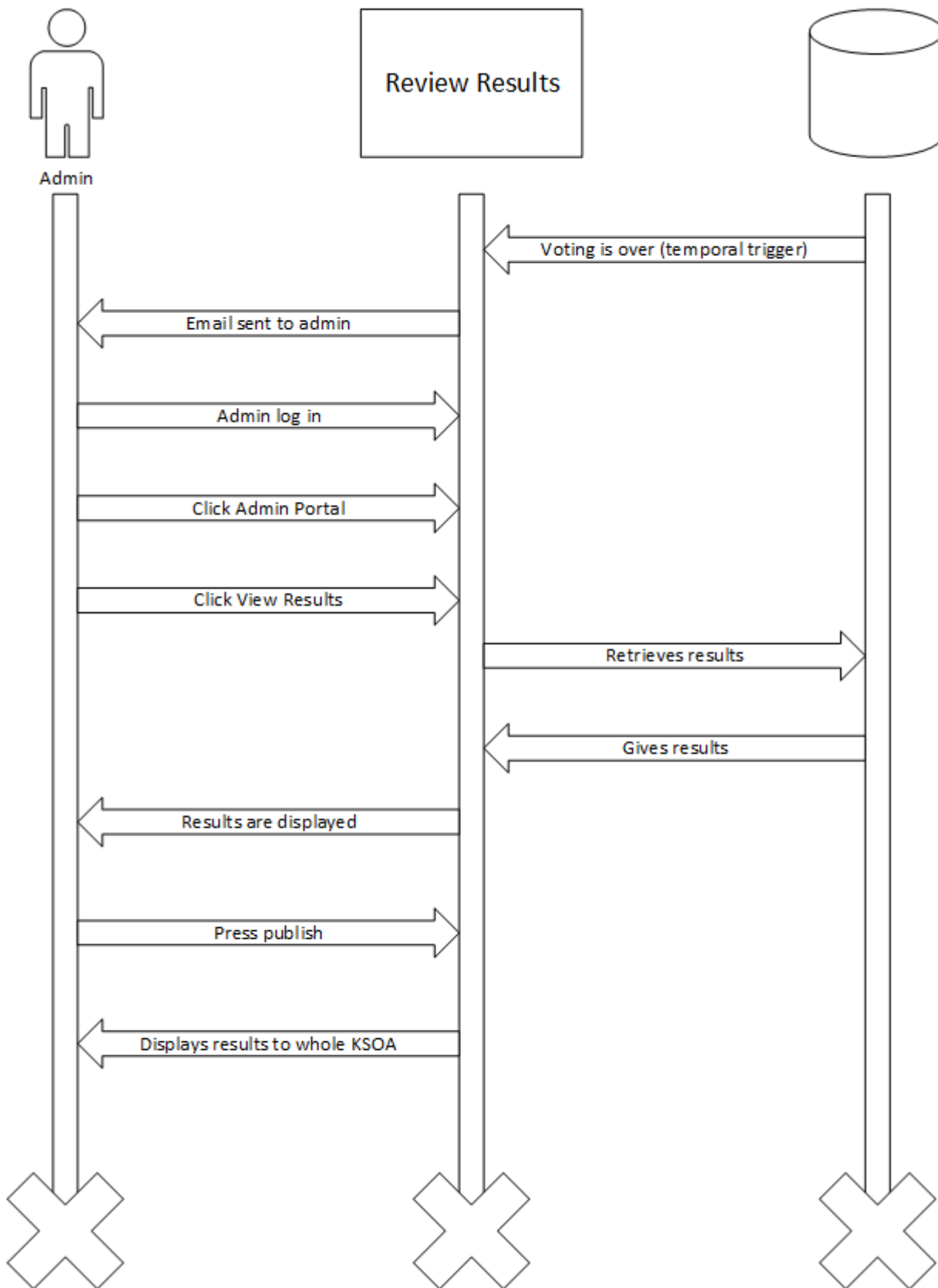
UC14 – Create Ballot



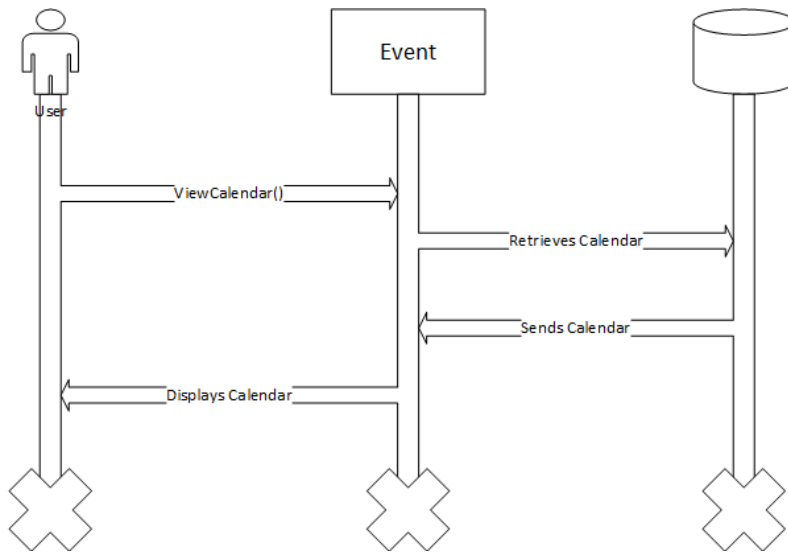
UC15 – Cast vote



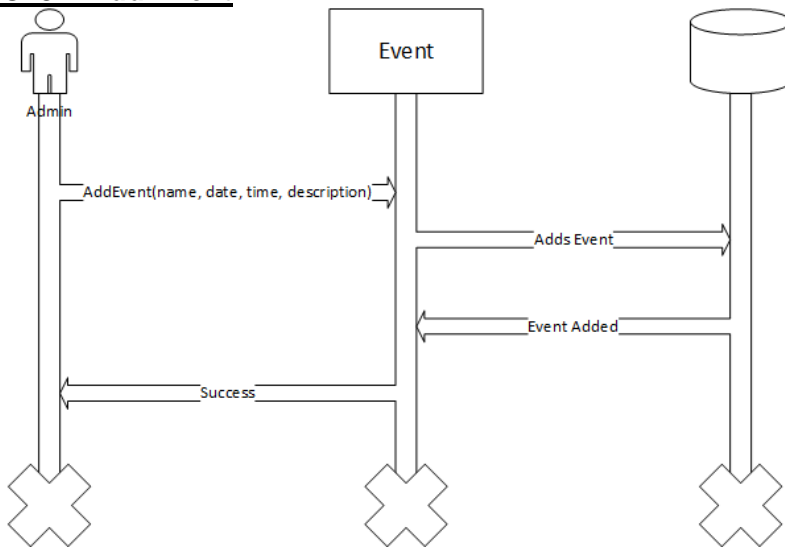
UC16 – Review Results



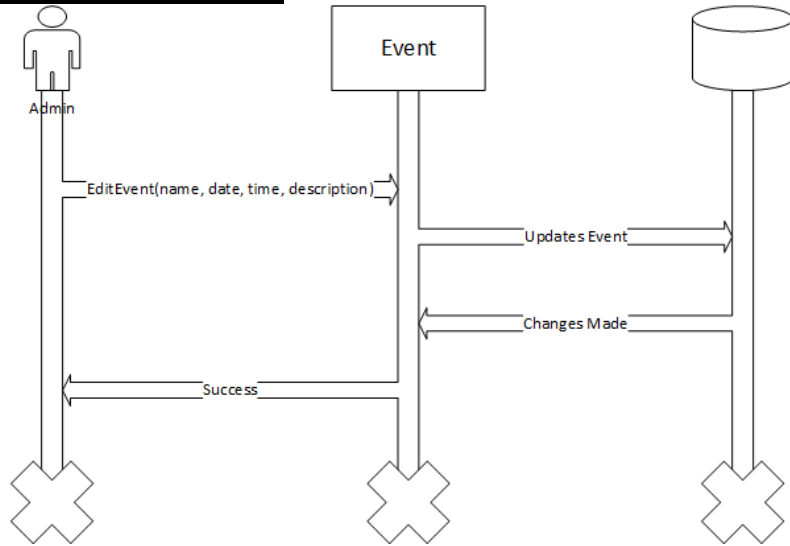
UC17 – View Calendar



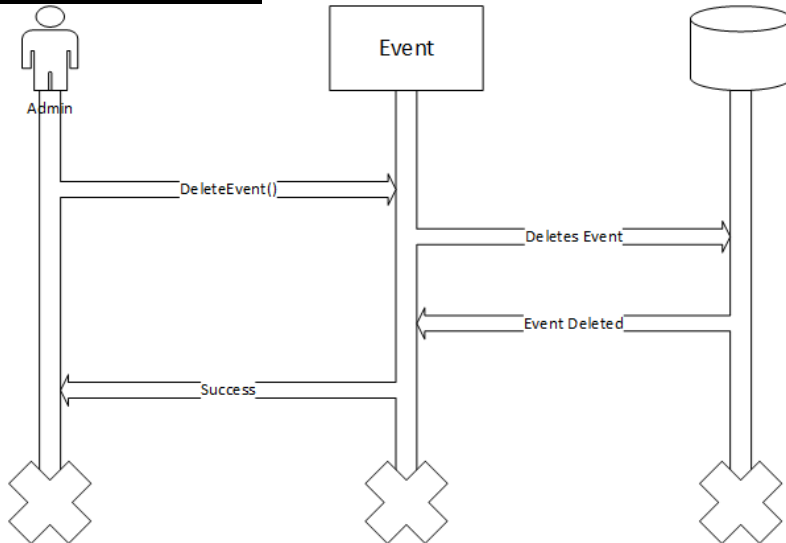
UC18 – Add Event



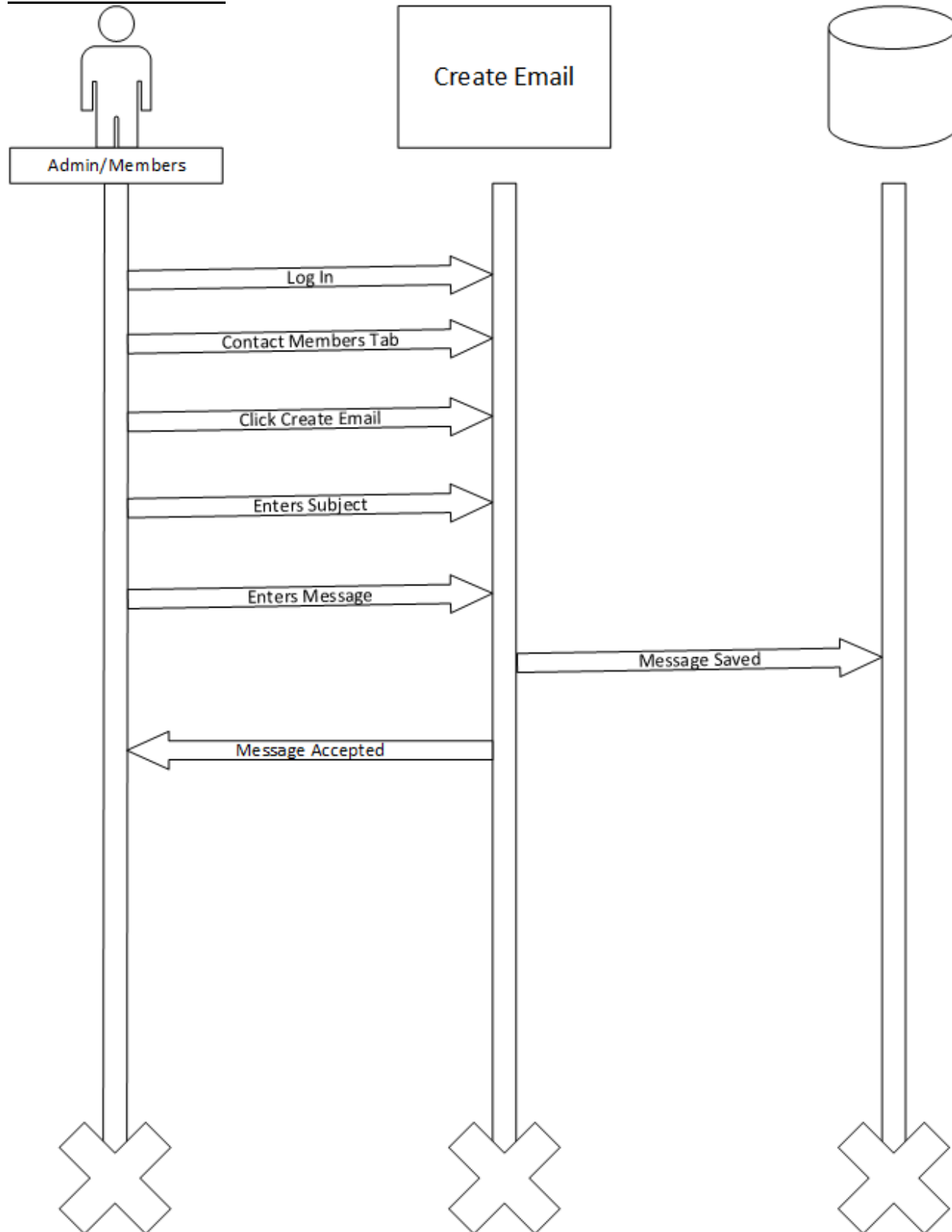
UC19 – Update Event



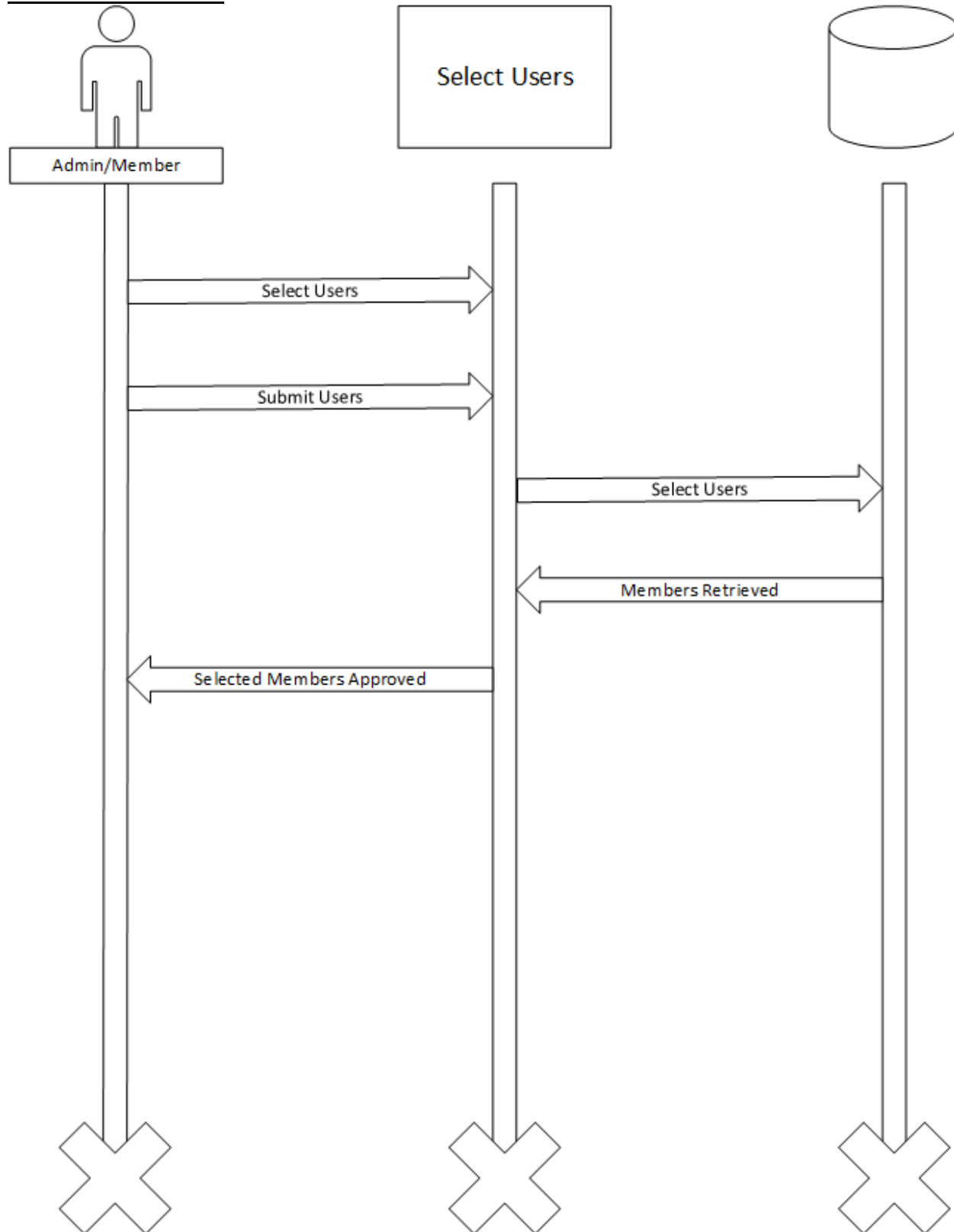
UC20 – Delete Event



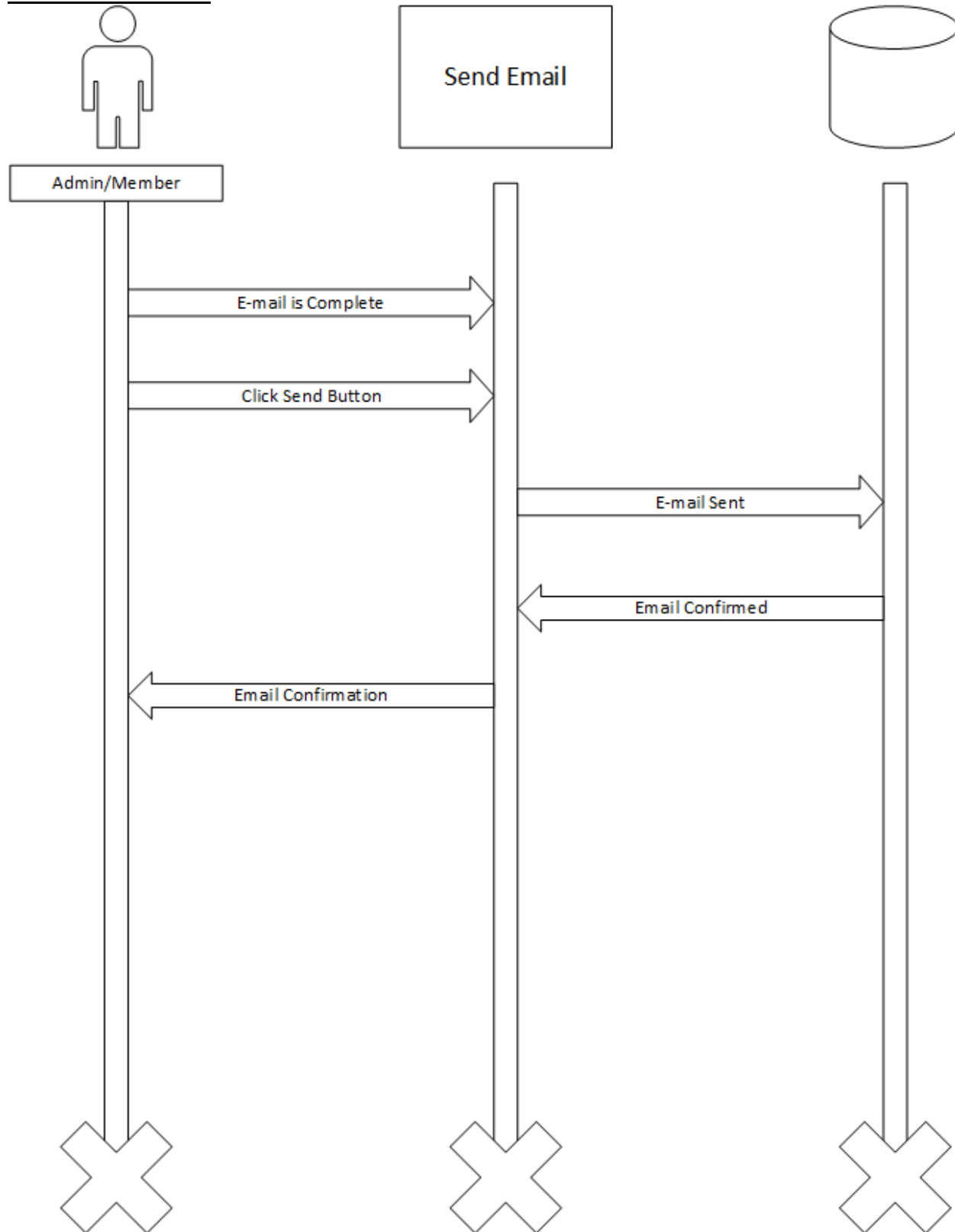
UC21 – Create Email



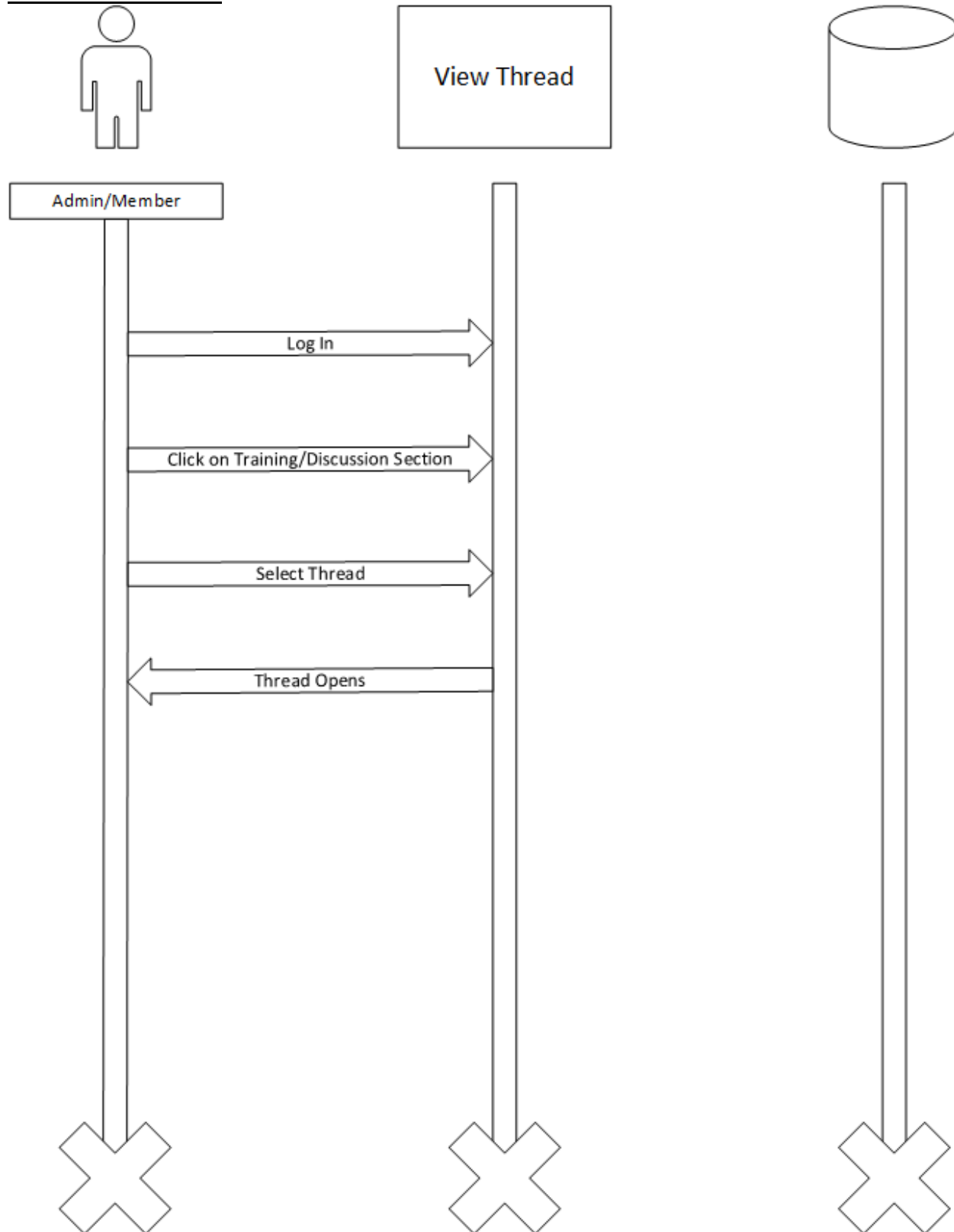
UC22 – Select Users



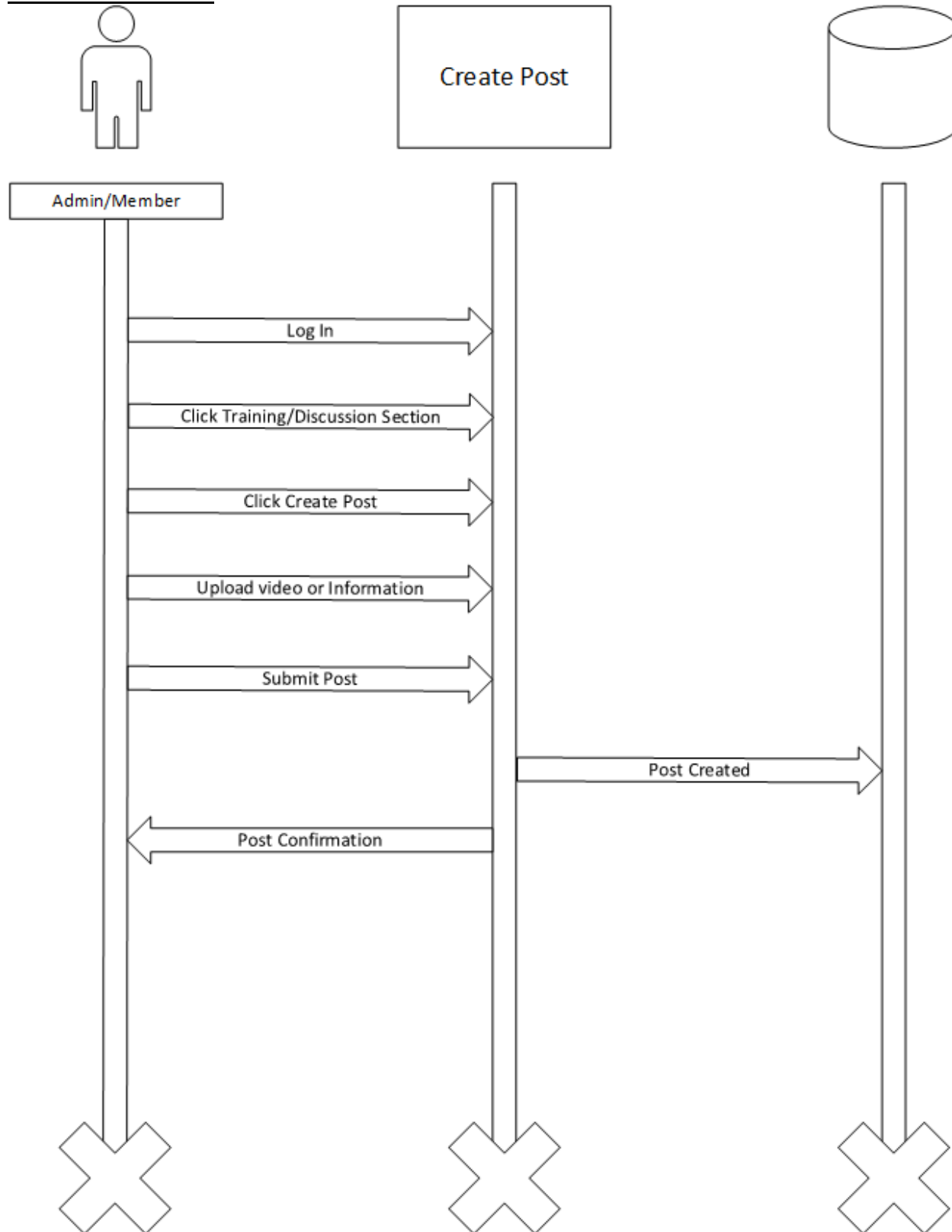
UC23 – Send Email



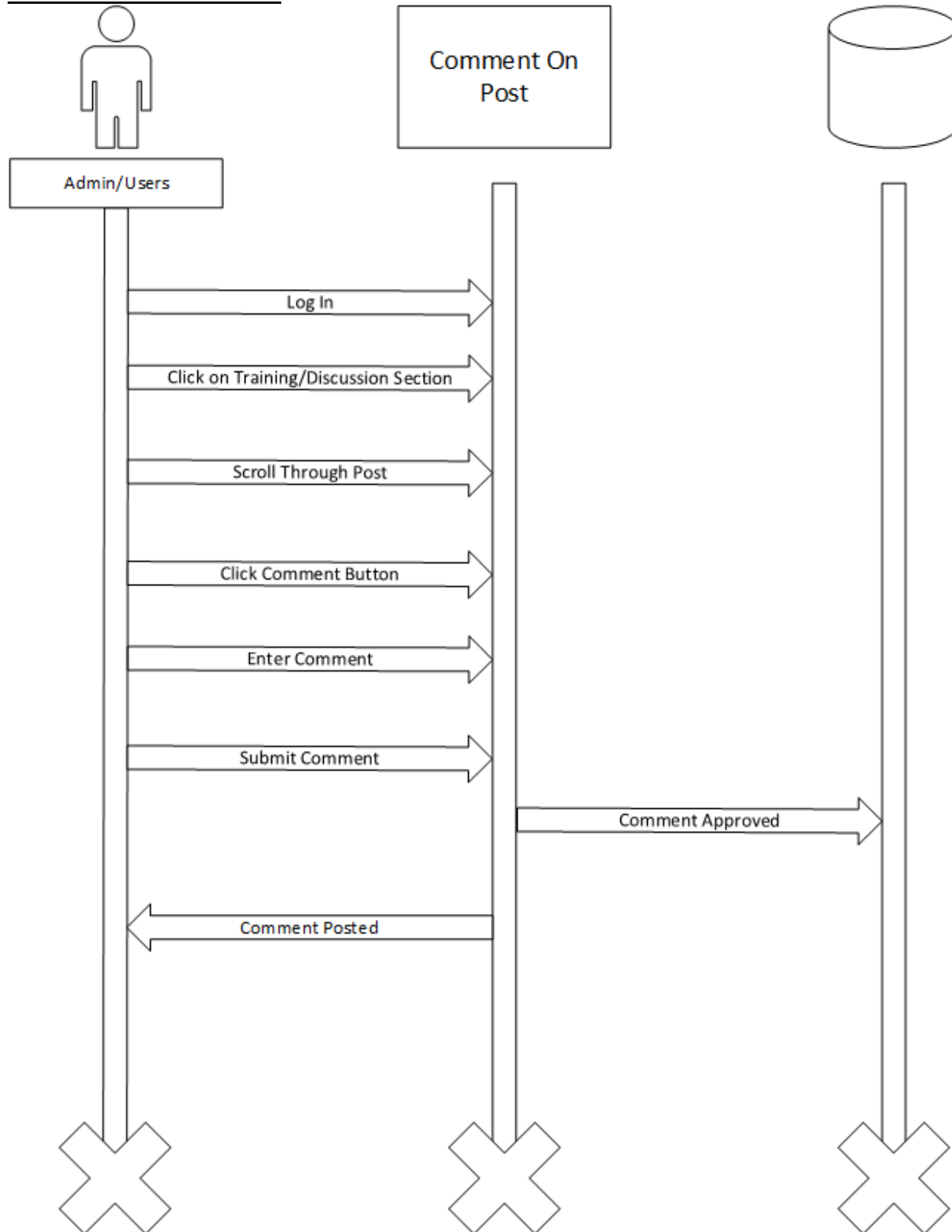
UC24 – View Thread



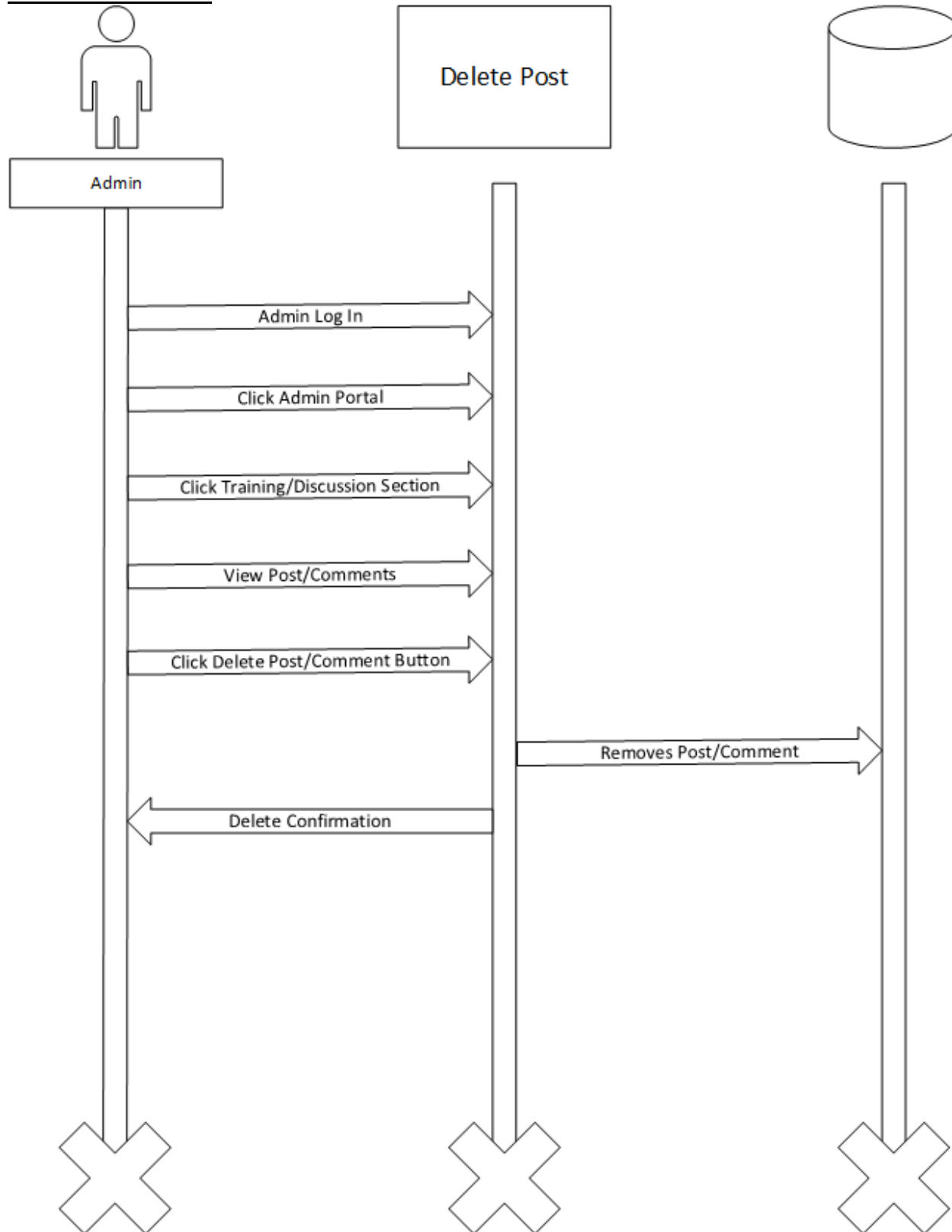
UC25 – Create Post



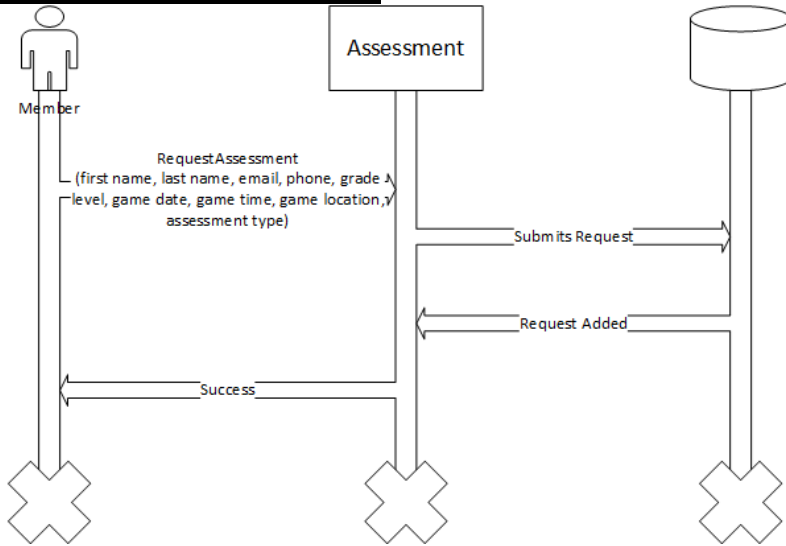
UC26 – Comment on Post



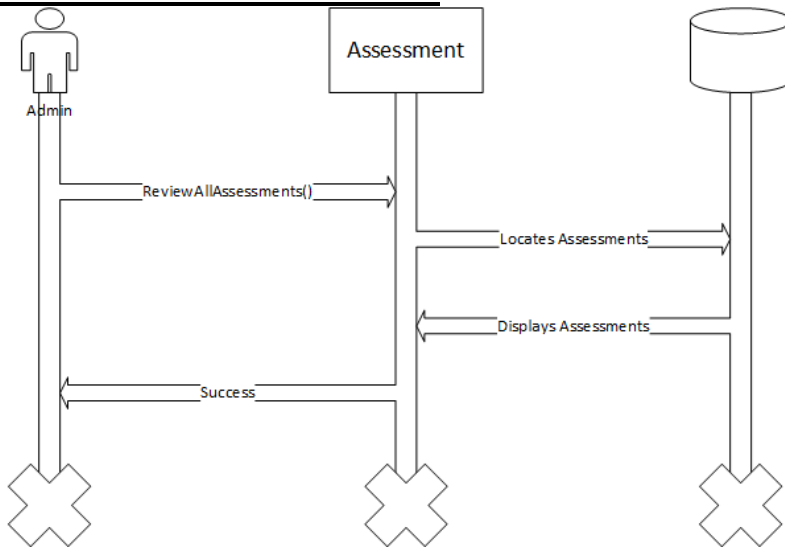
UC27 – Delete Post



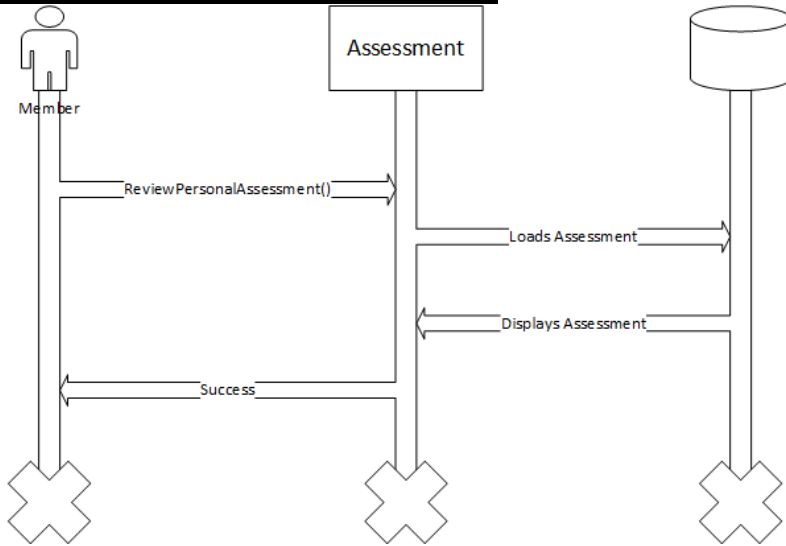
UC28 – Request Assessment



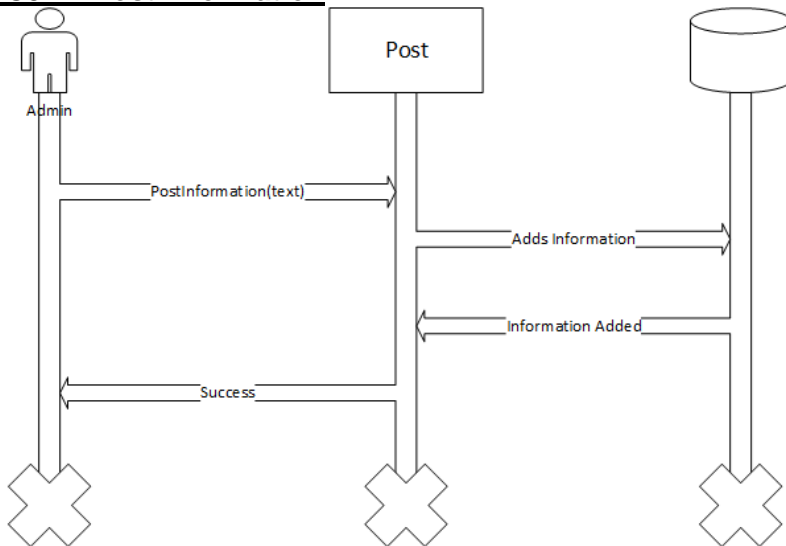
UC29 – Review All Assessments



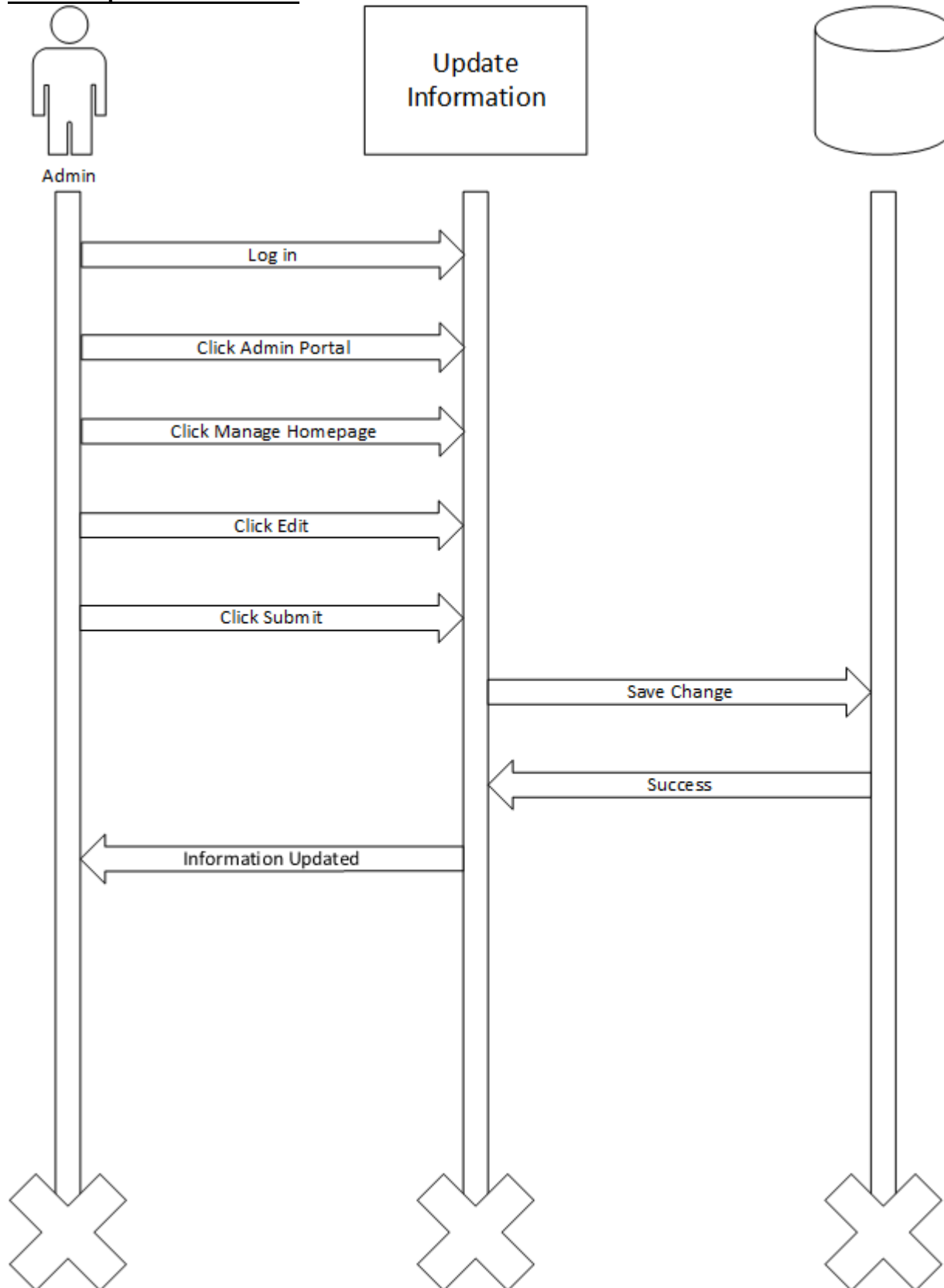
UC30 – Review Personal Assessment



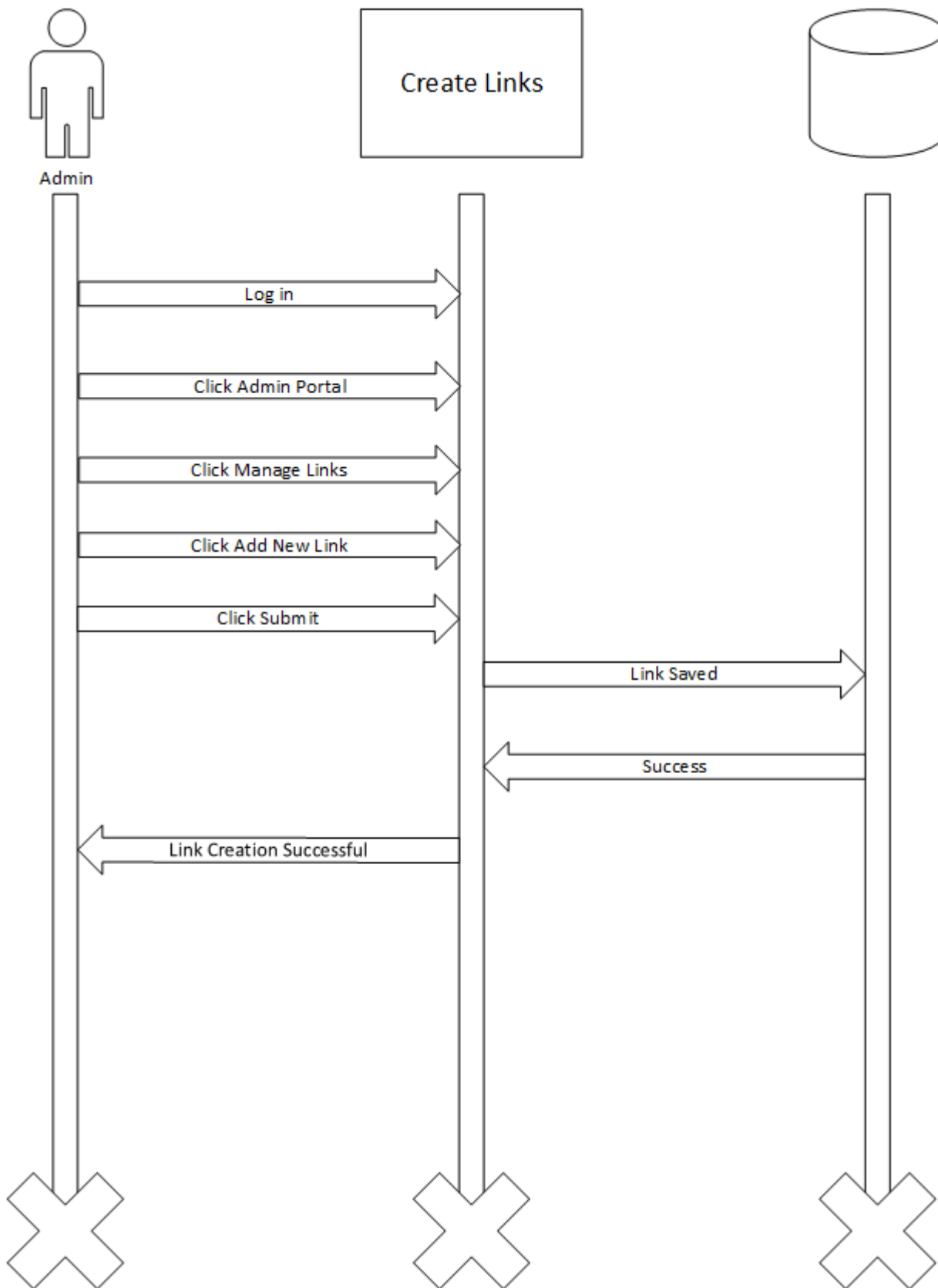
UC31 – Post Information



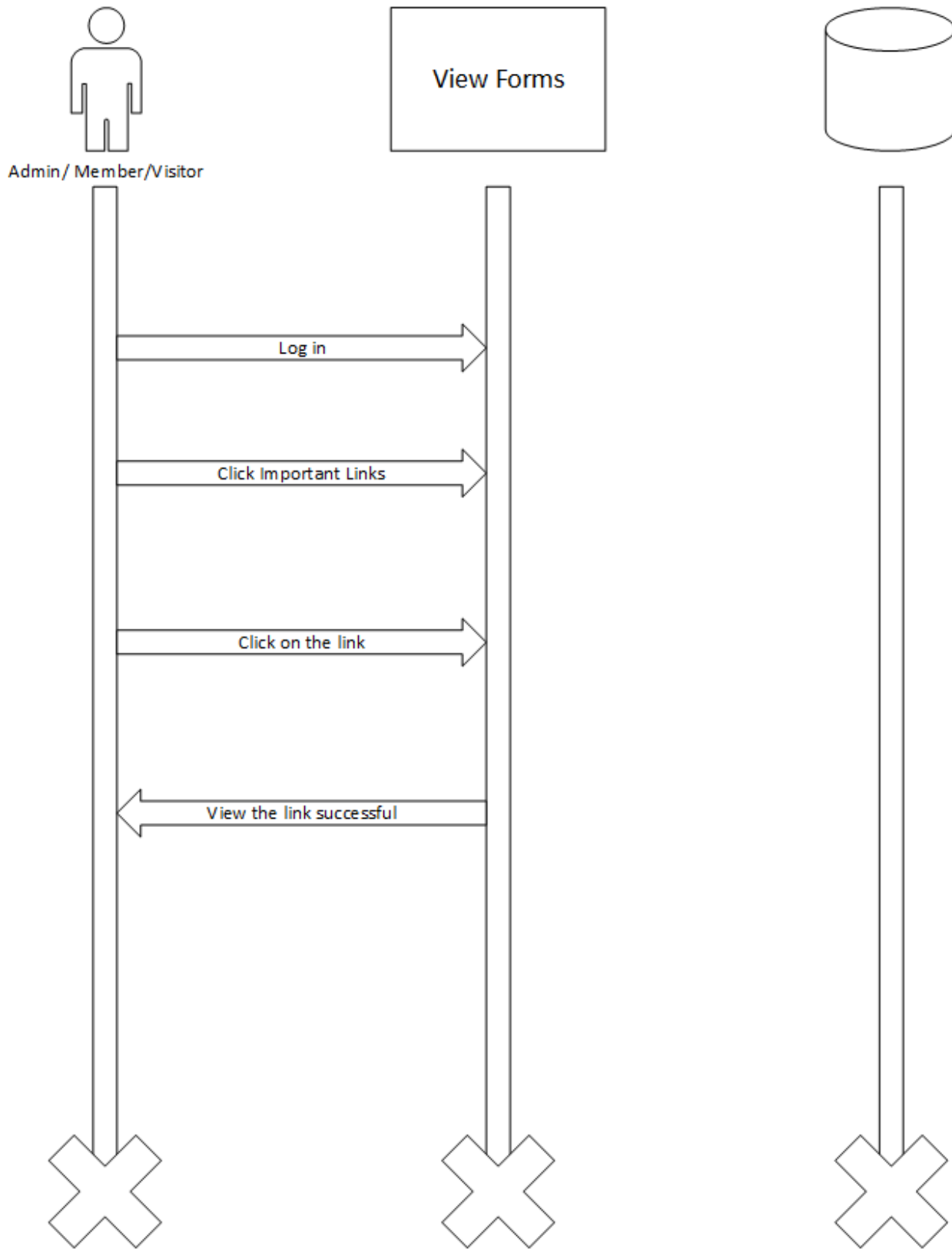
UC32 – Update Information



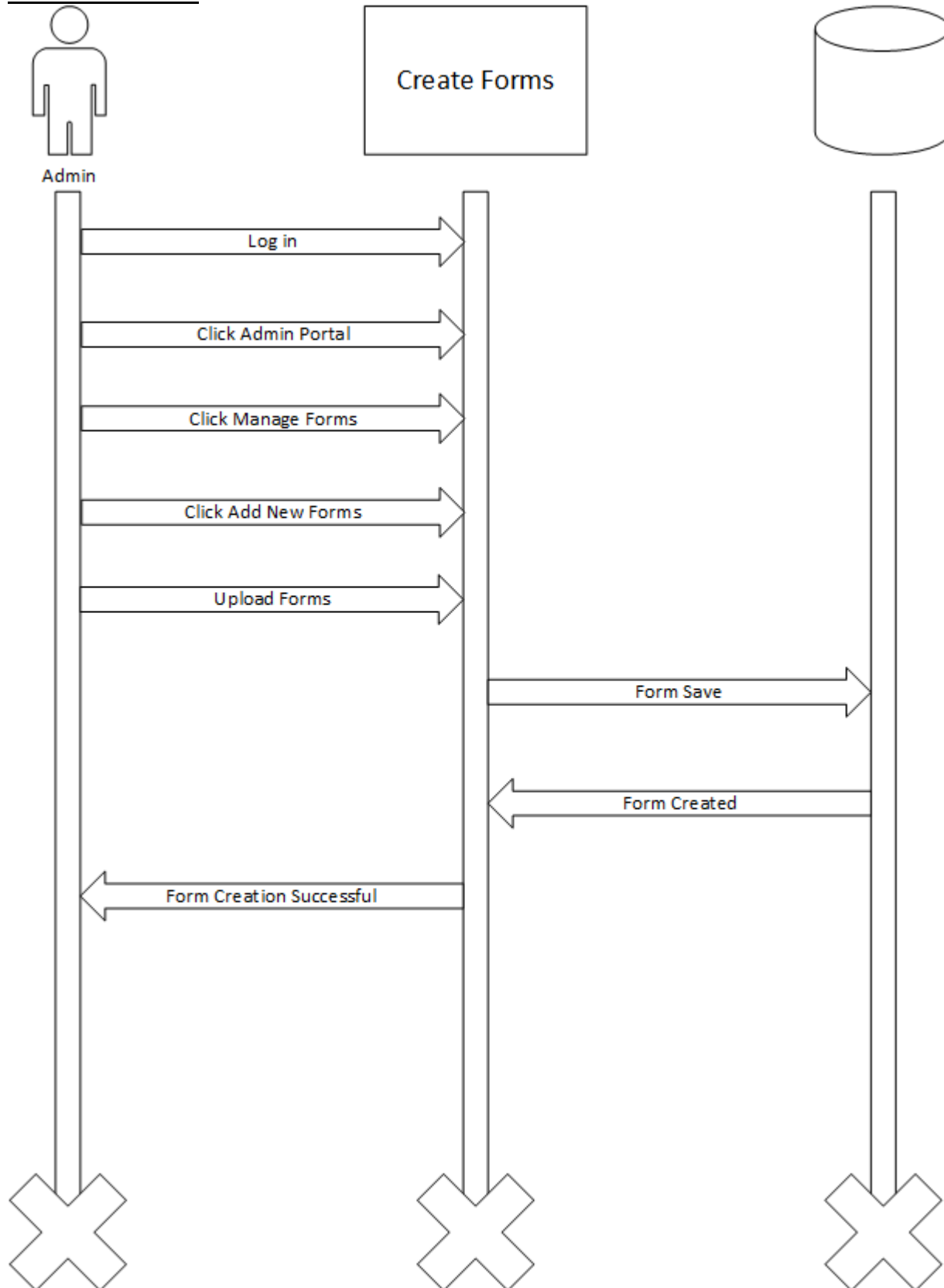
UC33 – Create Link



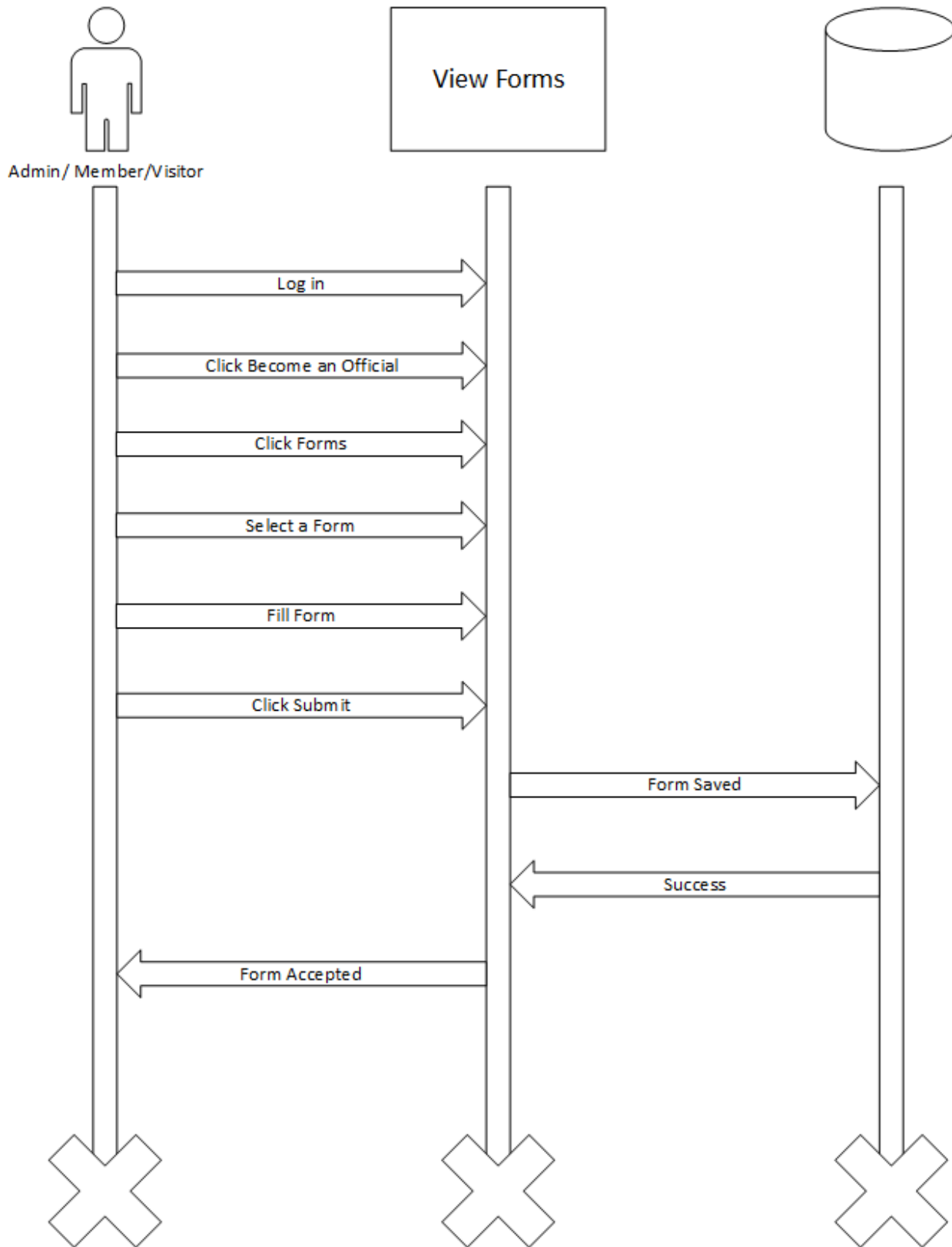
UC34 – View Links



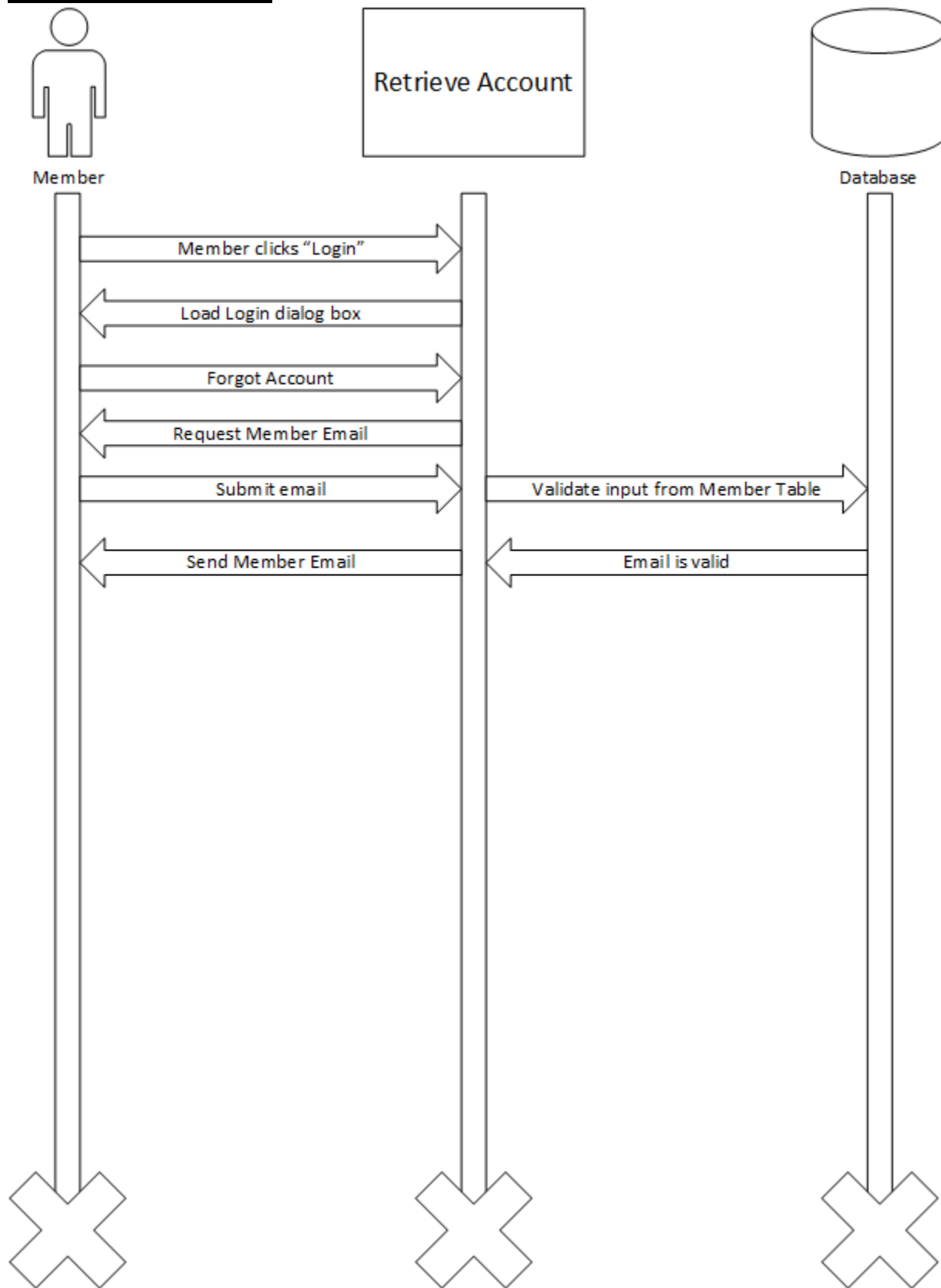
UC35 – Add Form



UC36 – View Forms

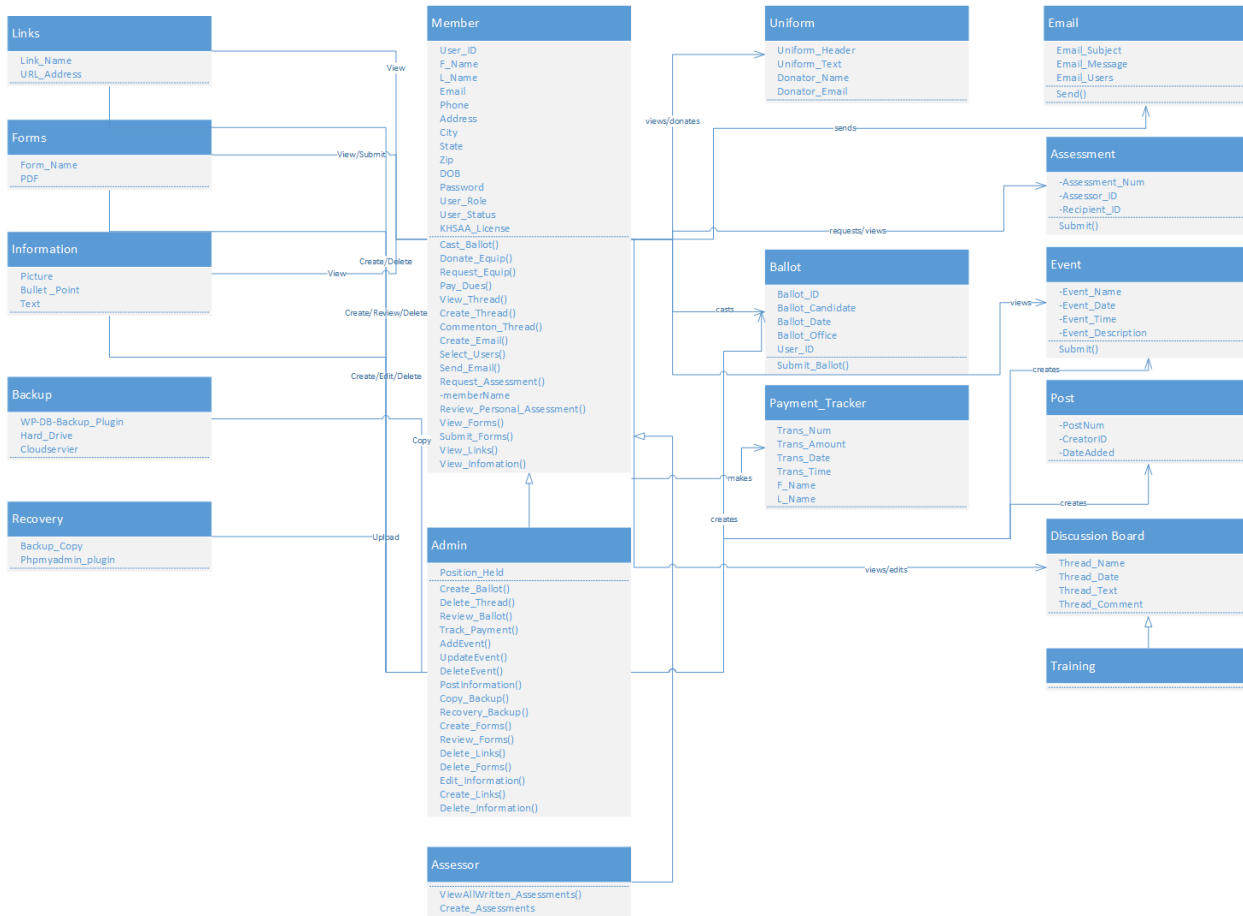


UC37 - Retrieve Account



Class Diagram

The class diagram describes the structure of the system by separating each system requirement into its own class. At the top of each class diagram is the title, below the title is a list of attributes for each use case. Attributes could be people that will use the system or things that can be accessed. At the bottom of the diagram is a list of methods that are associated with each use case. A method can be any type of action that is taken within the use case. The arrows that are connecting the classes represent the association of classes and how attributes and methods are inherited in the system.



ERD

An ERD is an Entity Relationship Diagram. Each box is called an entity. Each entity contains attributes that make up the entity (example being a "Member" entity having the attributes called F_Name, L_Name, Address, in order to hold information of their first name, last name, and address respectively). The tables are connected by a line, which shows their relationships. An ERD is how a database would eventually be set up, allowing each part to connect to each other. It like to a database blueprint.

