

# **Project Fly Cardinals: Elaboration Specification**

**Written By: Next Gen Solutions**

# **System Requirements**

Listed below are the requirements, both functional and non-functional for the Project Fly Cardinals system. These requirements come from an analysis of the old website as well as those requested by the client. The requirements below are used to help create use cases as well as set requirements for the construction of the new Research and Innovation system. They form the basis for the construction of our system.

## **Non-Functional Requirements**

- NR1. The system shall be constructed within WordPress
- NR2. The system shall consist of organized tabular links
- NR3. The website shall be designed around R&I business processes
- NR4. The system shall retain all current information
- NR5. The system shall feature a search bar
- NR6. The system shall be available 24/7
- NR7. The system shall be recoverable
- NR8. The system shall be backed up
- NR9. The system shall be accessible by multiple devices (mobile, tablet, desktop, etc.)
- NR10. The system shall have no broken or dead hyperlinks
- NR11. The system shall have a landing page
- NR12. The system shall have a funding/grant opportunities page
- NR13. The system shall have an industry specific page
- NR14. The system shall have a researcher specific page
- NR15. The system shall have a student (undergrad / graduate) specific page

## **Functional Requirements**

- R1. Grants
  - 1.1 – The system shall allow users to find and apply for internal grants
  - 1.2 – The system shall allow users to find and apply for external grants

- 1.3 – The system shall allow administration to upload grants based on utilization and availability
- 1.4 – The system shall allow admin to delete grants based on utilization and availability
- 1.5 – The system shall allow admin to modify existing internal grants and access to external grants
- 1.6 – The system shall allow users to save grants to their account
- 1.7 – The system shall allow users to delete grants from their account

## R2. Registration

- 2.1 – The system shall provide a way for users to find for clinical trials
- 2.2 – The system shall allow users to access iRIS
- 2.3 – The system shall allow clinical researchers to create a chartfield
- 2.4 – The system shall allow users to create a general website profile
- 2.5 – The system shall allow users to modify the general profile
- 2.6 – The system shall allow users to delete the general profile

## R3. Proposals

- 3.1 – The system shall allow users to submit a proposal for approval
- 3.2 – The system shall allow users to modify an already approved project proposal
- 3.3 – The system shall allow users to access various agreements and print them if needed

## R4. Connect

- 4.1 – The system shall allow partners to contact the Commercial EPI-Center via form
- 4.2 – The system shall allow administration to upload News and Events
- 4.3 – The system shall allow admin to modify News and Events
- 4.4 – The system shall allow admin to delete News and Events
- 4.5 – The system shall allow users to sign up for UofL Innovation Newsletter
- 4.6 – The system shall provide external access to centers and institutes
- 4.7 – The system shall redirect users to the Office of University Advancement when they want to donate
- 4.8 – The system shall allow users to register for an event

4.9 – The system shall allow users to modify event registration

4.10 – The system shall allow users to delete event registration

#### R5. Support

5.1 – The system shall provide a form that industry can submit for information

5.2 – The system shall provide a redirect for users to UofL email gateway when trying to contact various support systems such as ORI, IACUC, etc.

5.3 – The system shall allow administration to create surveys

5.4 – The system shall allow administration to modify surveys

5.5 – The system shall allow administration to delete surveys

5.6 – The system shall allow for backups

5.7 – The system shall be recoverable

5.8 – The system shall allow access to ThinkIR accounts

5.9 – The system shall allow researchers to upload work to ThinkIR

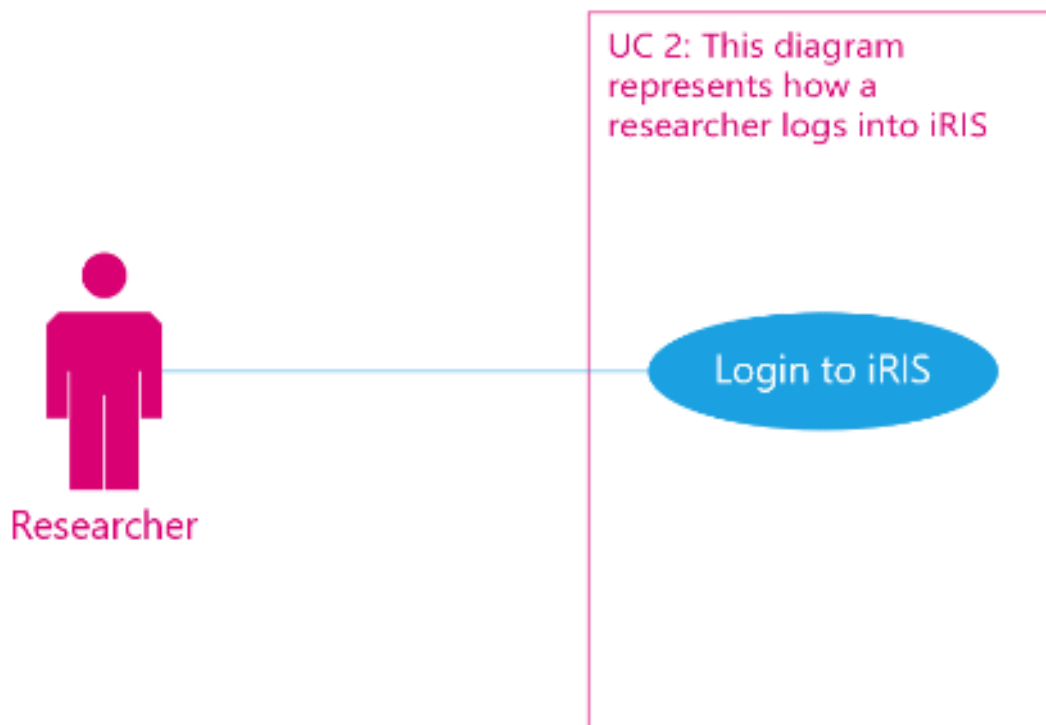
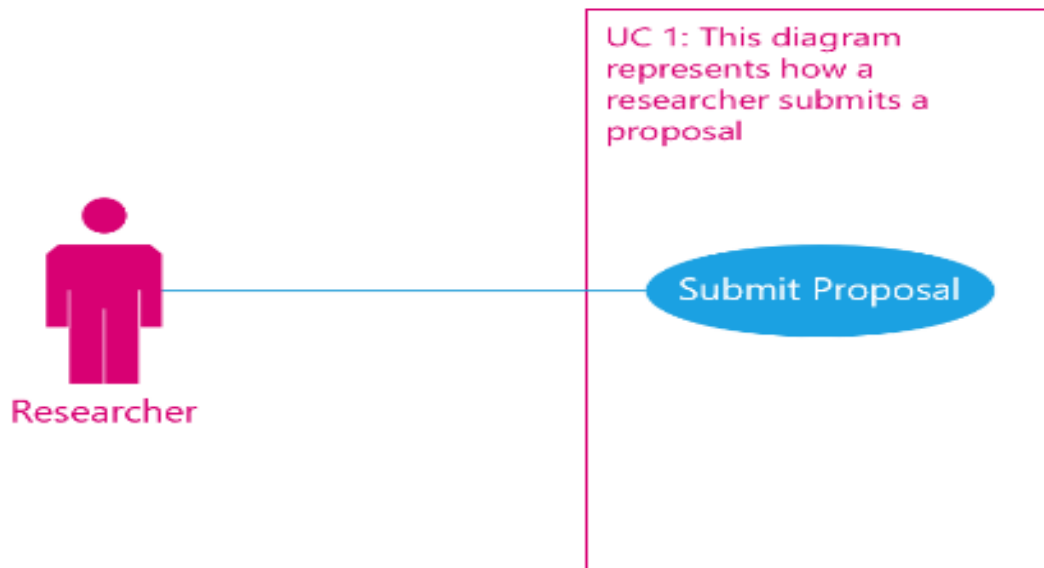
5.10 – The system shall allow account usernames to be recovered

5.11 – The system shall allow account passwords to be recovered

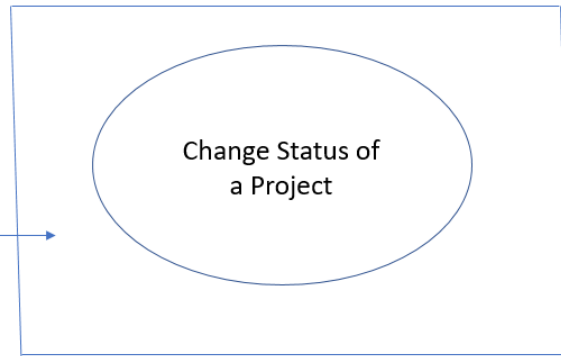
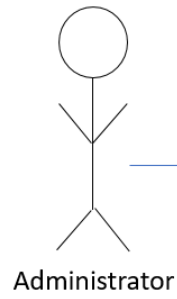
5.12 – The system shall allow users to change account passwords

# Use Case Diagrams

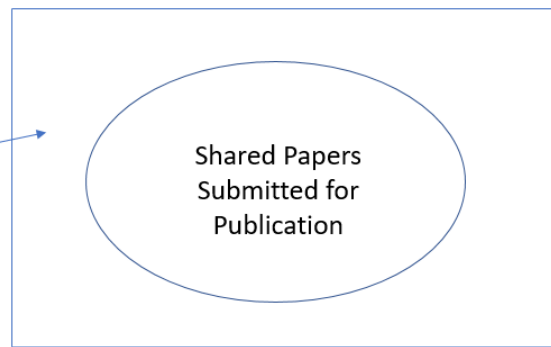
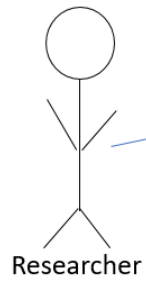
The Use Case Diagrams below show how the different actors interact with the system. For our system the actors are the different users (Administration, Researchers, Students, Industries, and Community) and the system is the Research and Innovation Website. These diagrams show how each individual user interacts with the system to complete specific tasks.



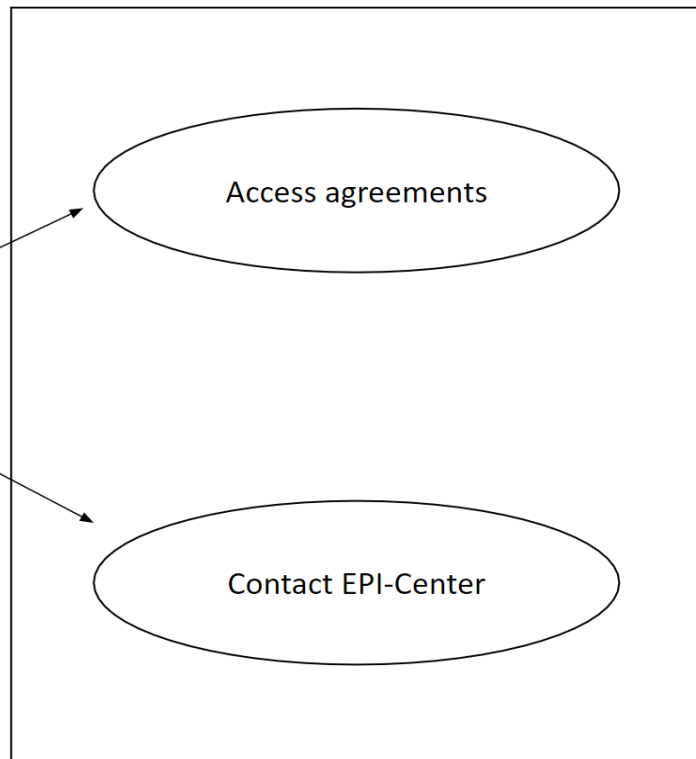
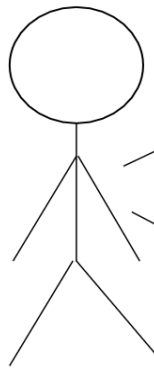
Use Case 3



Use Case 4

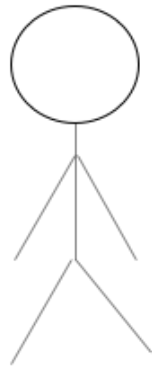


Use Case 5



Use Case 6

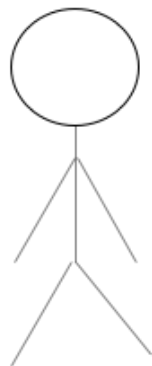
Use Case 7



Community,  
Industry,  
Researchers,  
Students

Subscribe to UofL  
Innovation Newsletter

Use Case 8

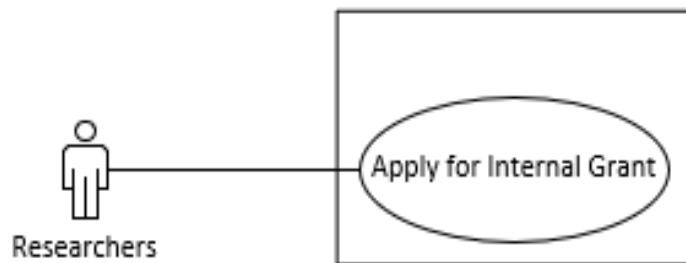


Industry

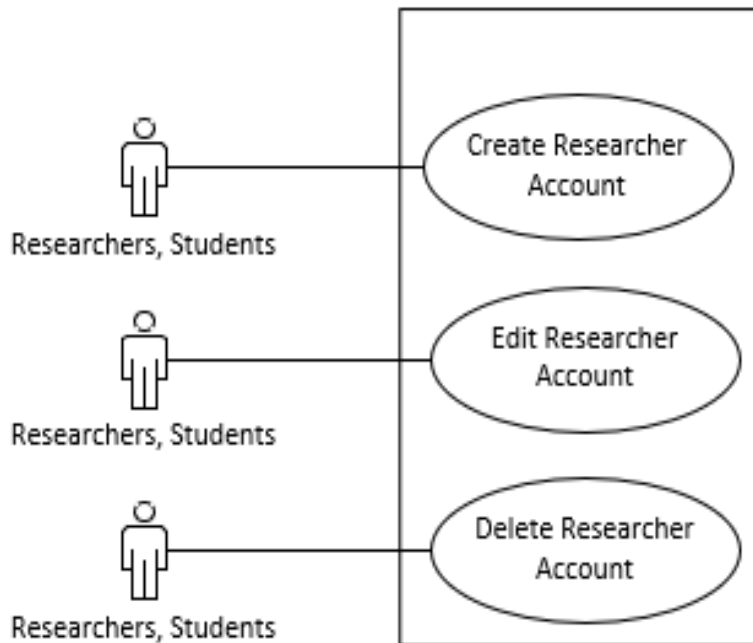
Reach out for Support



**Use Case 9**  
Members of the community or students will access the link for ResearchMatc to register for clinical trials



**Use Case 10**  
Researcher is going to download applications and apply for internal grants



**Use Cases  
30, 31, 32**

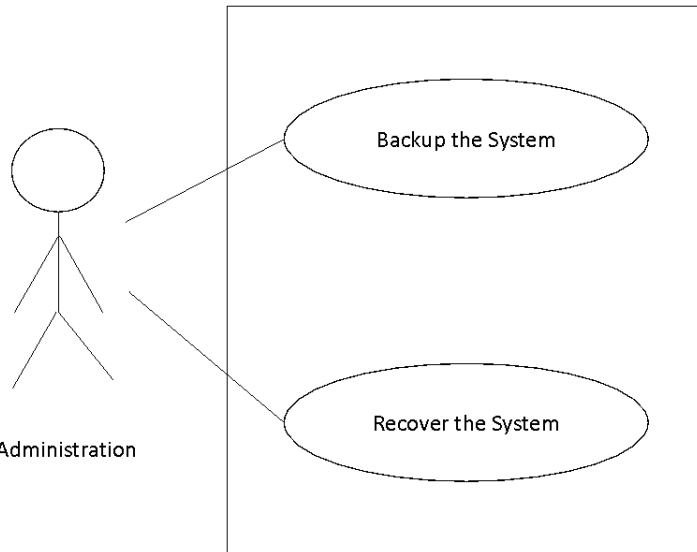
Researchers or students will access the website to create, edit, and/or delete a researcher account



Use Case 13

Use Case 11

Administration



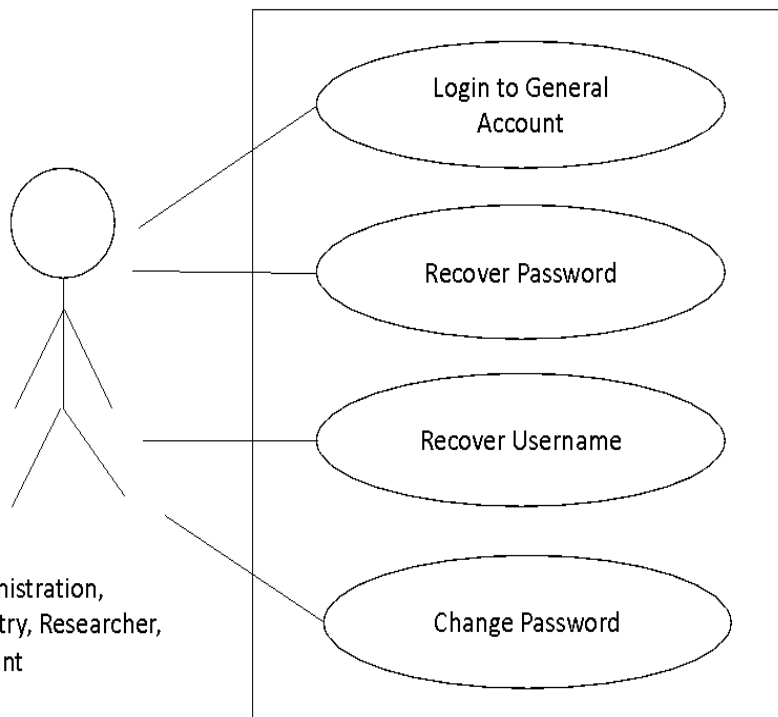
Use Case 12

Use Case 33

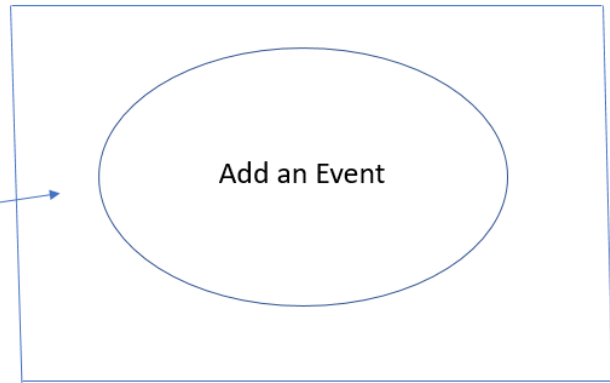
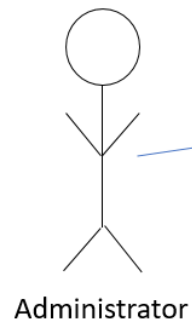
Use Case 34

Use Case 35

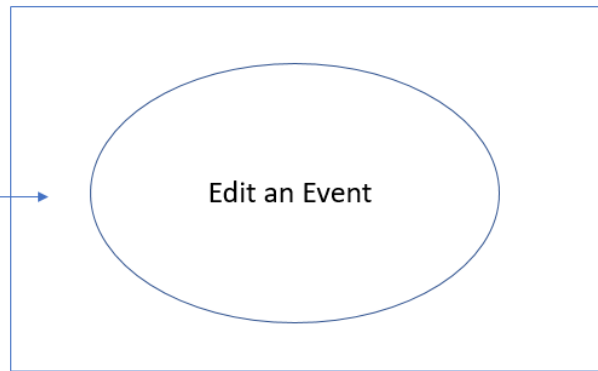
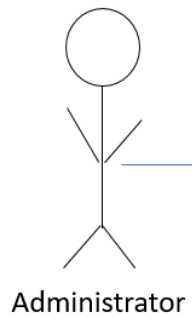
Administration,  
Industry, Researcher,  
Student



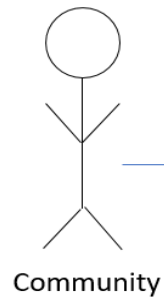
Used Case 14



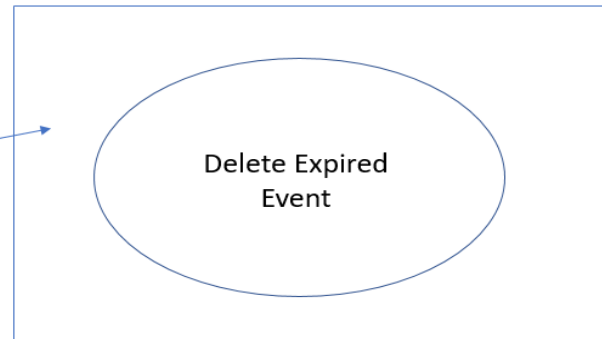
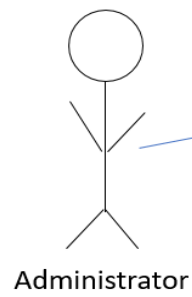
Used Case 15



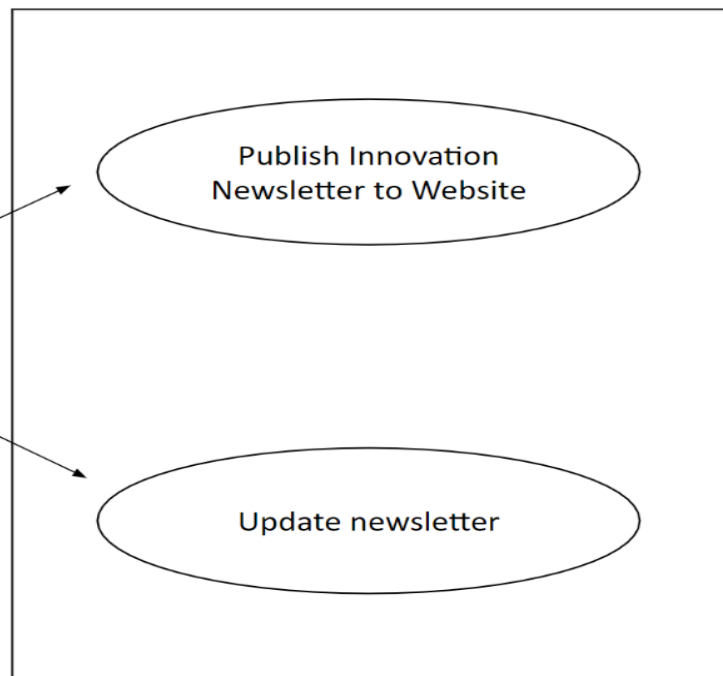
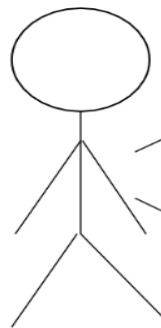
Used Case 16



Used Case 17

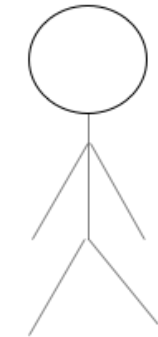


Use Case 18



Use Case 25

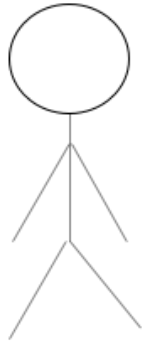
Use Case 19



Administration

Edit Admin Account

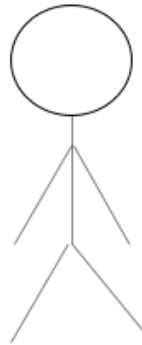
Use Case 20



Administration,  
Industry, Students,  
Researchers

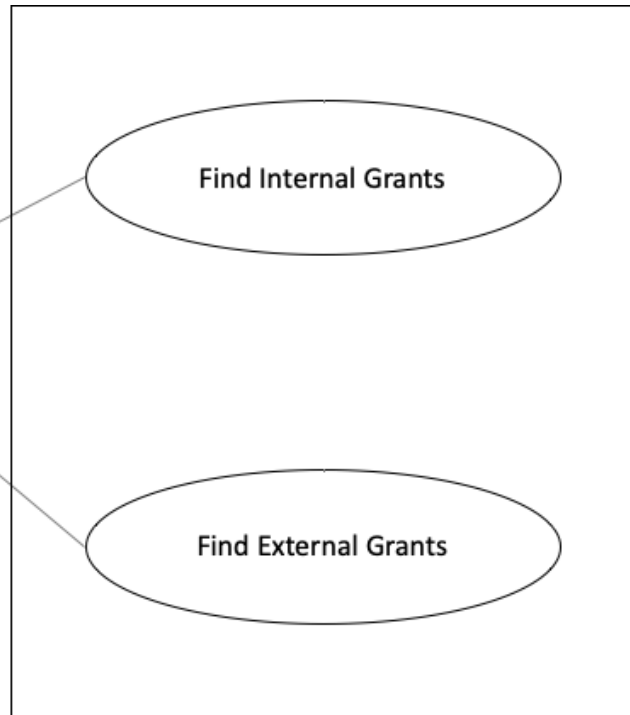
Use Search Bar

Use Case 21

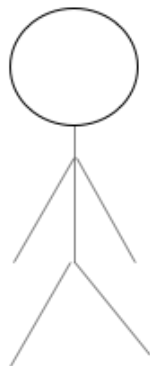


Use Case 22

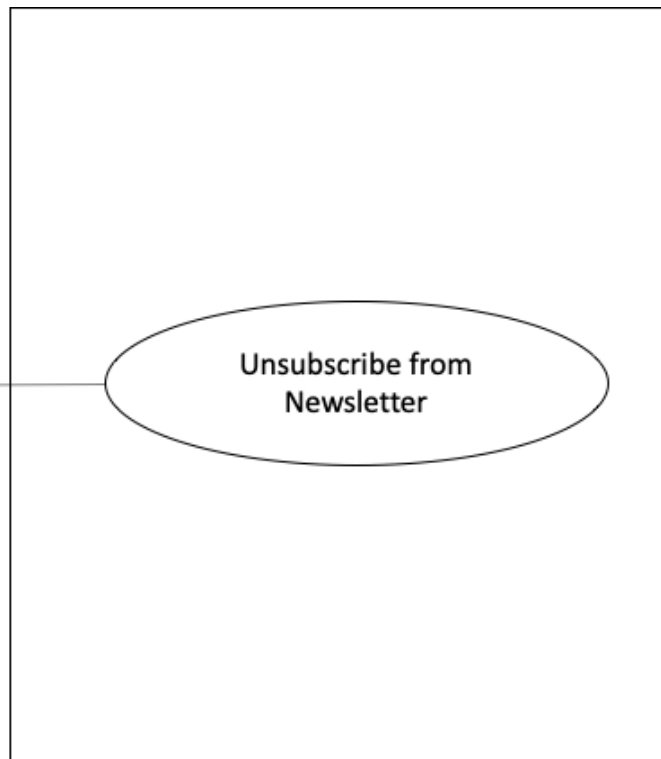
Researcher



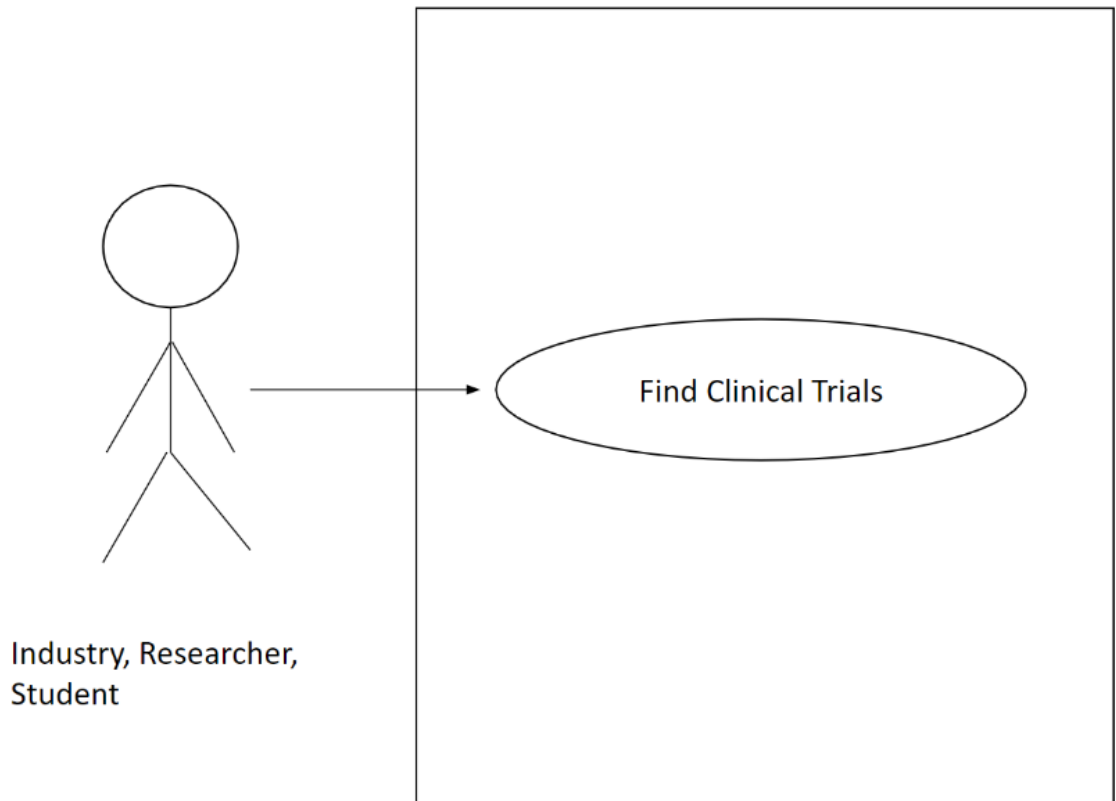
Use Case 23



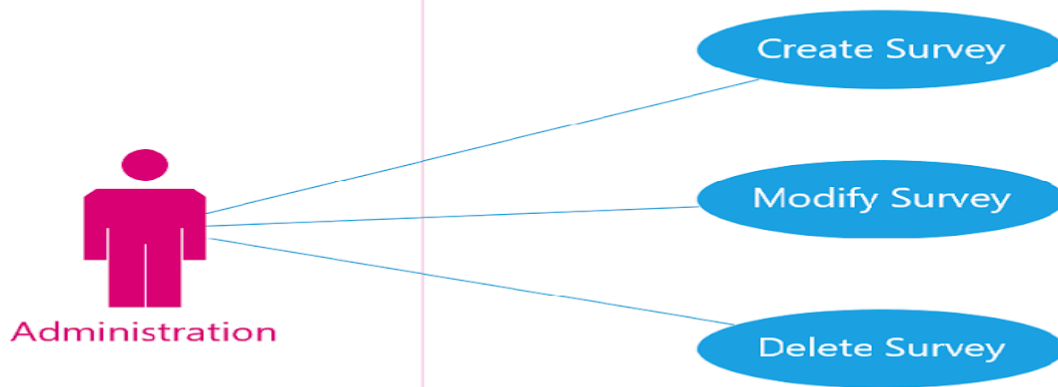
Community,  
Industry,  
Researchers,  
Students

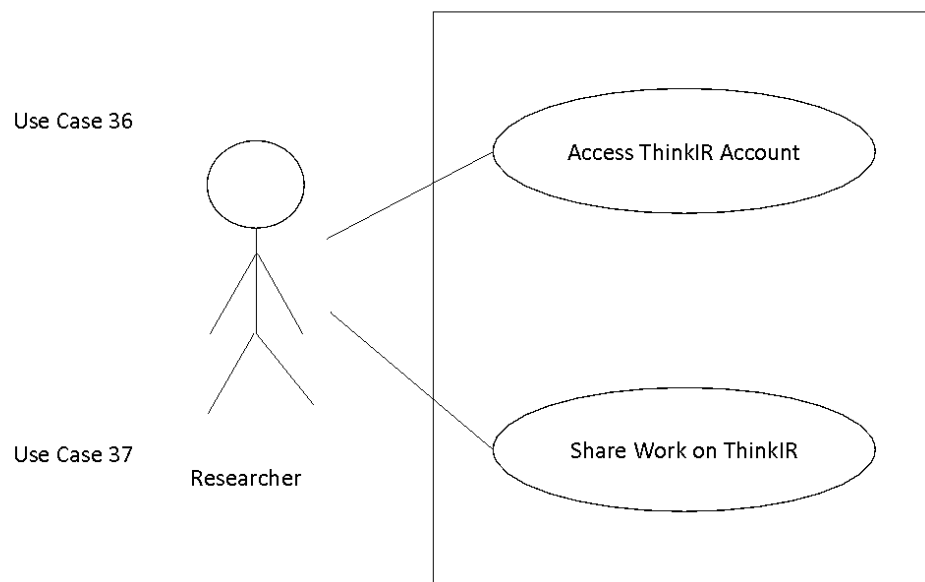
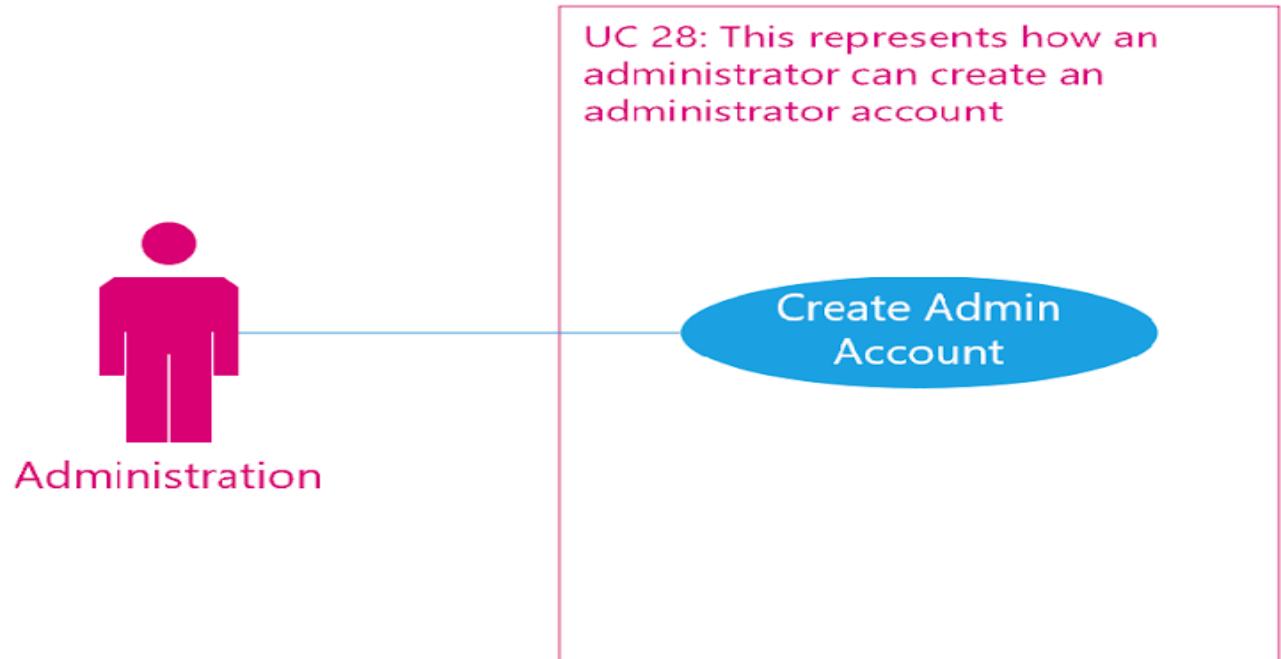


Use Case 24

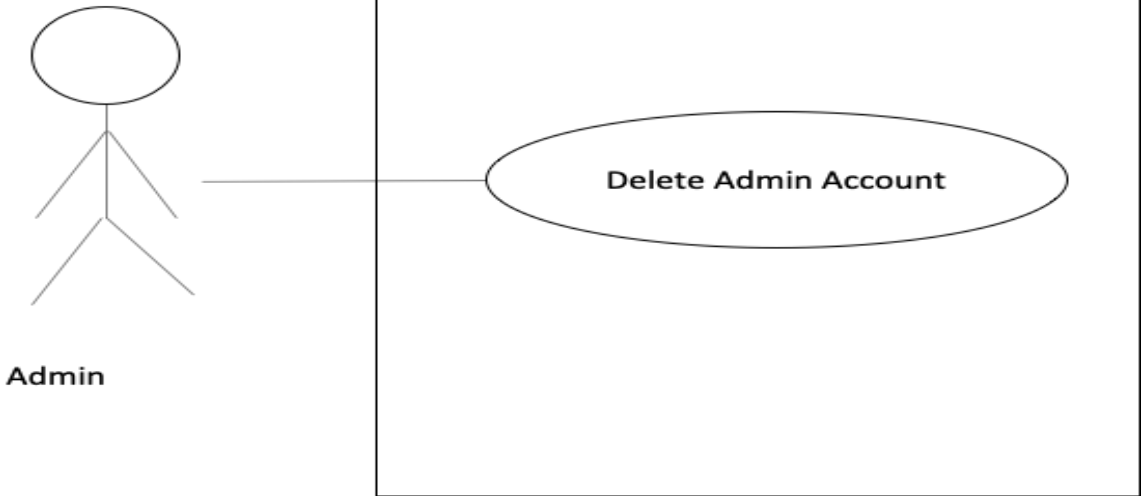


UC 26, 27, 29: This diagram represents how an administrator has various options involving surveys





Use Case 38





## Trace Matrix

The Trace Matrix shows how the Use Cases can be traced back to the System Requirements. Our Trace Matrix below shows how each Use Case can be Traced back to the different requirements by showing what Use Case fulfills that requirement.

[illegible]

# Use Cases

## Use Case Specification: <Submit Proposal(s)>

### 1. Use-Case Name

#### 1.1 Brief Description

Researchers are constantly coming up with new projects that they want to embark on. This is also one of the first steps in getting a project up and running. Therefore, the researchers need a place to submit these research proposals and this is how they will do it.

### 2. Flow of Events

#### 2.1 Basic Flow

- Researcher logs in to account
- Researcher clicks “Upload Proposal”
- User uploads Funding Announcement
- User uploads Proposal Clearance Form
- User uploads Final Prepared Detailed Budget
- User uploads Budget Justification
- User uploads Abstract/Scope of Work
- User uploads Subrecipient Commitment Form/Letters of Support
- User uploads Subawardee Scope of Work
- User uploads Subawardee Detailed Budget
- User uploads Subawardee Budget Justification.
- Documents are sent to desired parties for approval
- Email confirmation is received

### 3. Special Requirements

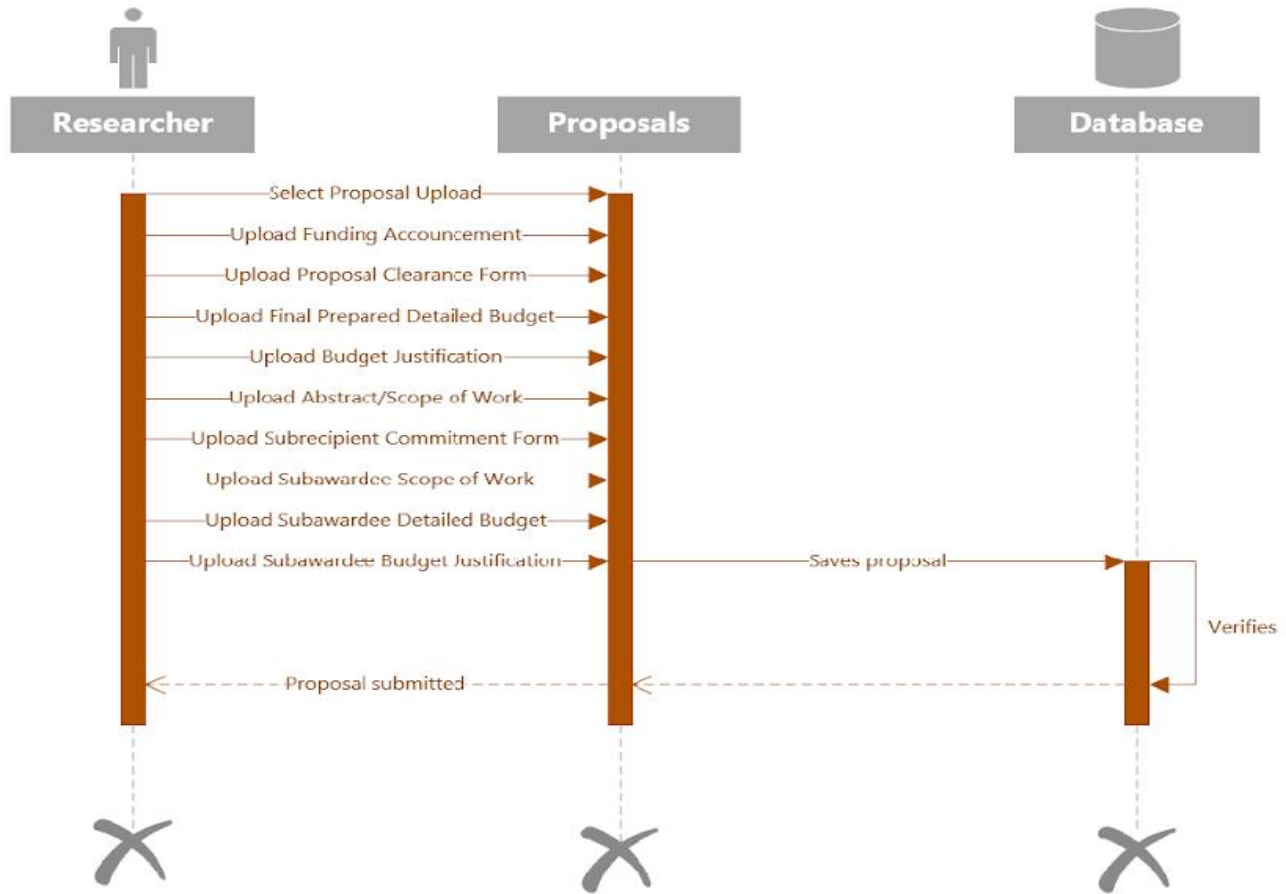
### 4. Pre-conditions

#### 4.1 All documents uploaded

- All documents must be uploaded before the proposal will submit

### 5. Post-Conditions

#### 5.1 Proposal Submitted



# Use Case Specification: Login to iRIS

## 1. Use-Case Name

### 1.1 Brief Description

iRIS is a set of scalable research compliance applications which are used to maintain federal compliance standards. This service is necessary for all researchers as compliance must be met in order to maintain good status and to keep the project running.

## 2. Flow of Events

### 2.1 Basic Flow

- Researcher clicks on iRIS portal
- User enters username
- User enters password
- User logs in if credentials match

## 3. Special Requirements

### 3.1 Researcher Status

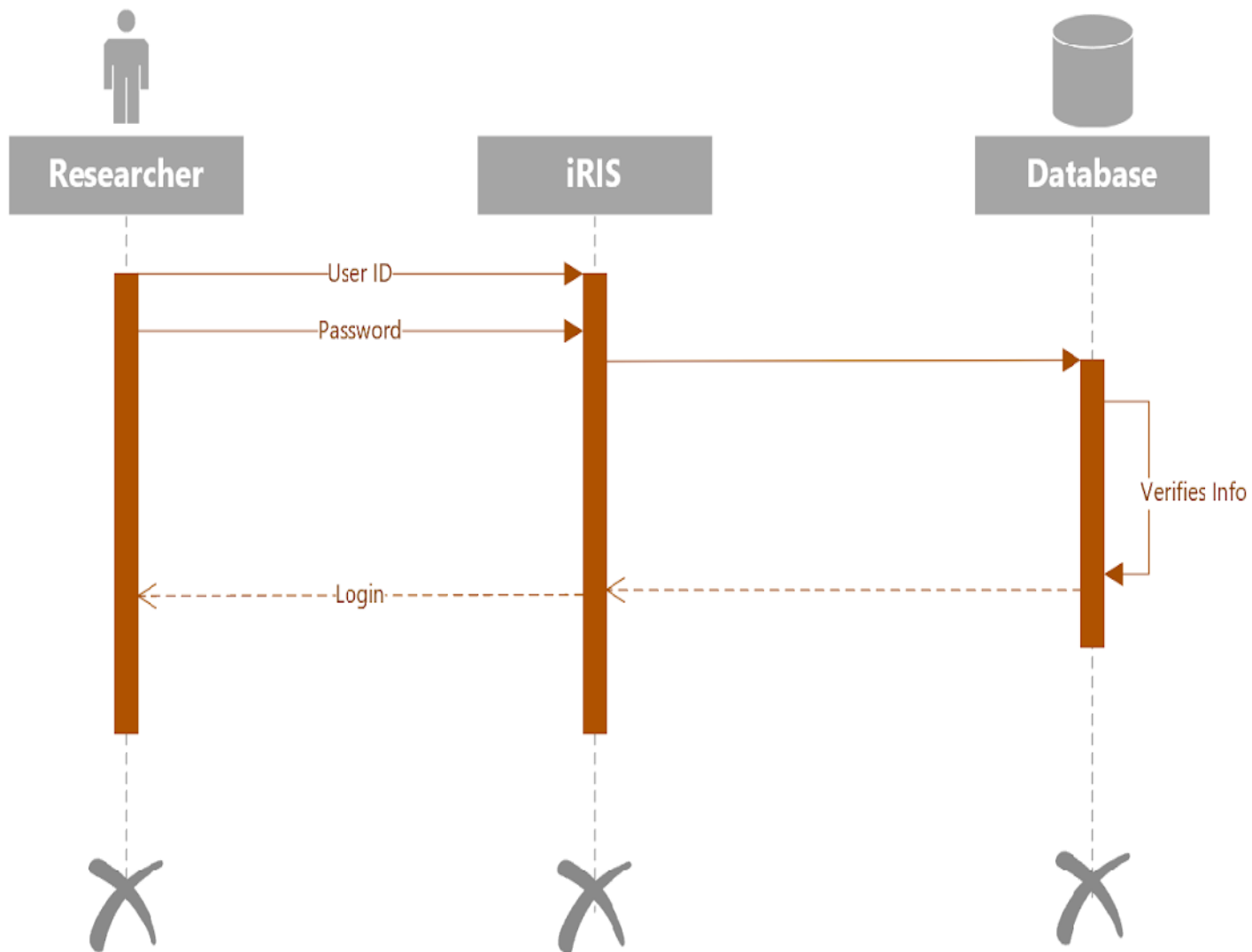
- In order for an account to be created in the first place, the University must recognize that the individual is an authorized researcher.

## 4. Pre-conditions

### 4.1 Account Existence

## 5. Post-conditions

### 5.1 Login Successful



# Use Case Specification: <Change Status of a Project>

## 1. Change Status of a Project

### 1.1 Brief Description

- This use case involves changing the status of an existing project by updated the text inside the status field found in the projects folder after the user logs in.

## 2. Flow of Events

### 2.1 Basic Flow

- User enters UserID
- User enters password
- User presses login button
- User clicks on projects folder
- User clicks on specified project
- User presses status field
- User changes description inside status field
- User presses save button
- User presses log-out button

### 2.2 Alternative Flows

#### 2.2.1 < Alternative Flow for Admin User >

- User enters UserID
- User enters password
- User presses login button
- User clicks on specific school within University (i.e. College of Business)
- User clicks on projects folder
- User clicks on specified project
- User presses status field
- User changes description inside status field
- User presses save button
- User presses log-out button

#### 2.2.1.1 < An Alternative Subflow >

- NA

#### 2.2.2 < Second Alternative Flow >

- NA

## 3. Special Requirements

- NA

### 3.1 < First Special Requirement >

NA

## **4. Pre-conditions**

### **4.1 < Pre-condition One >**

User must have existing account. Status field must be editable by all concerned users.

## **5. Post-conditions**

### **5.1 < Post-condition One >**

- System must be able to save changes made and updates be visible to other users immediately.

## **6. Extension Points**

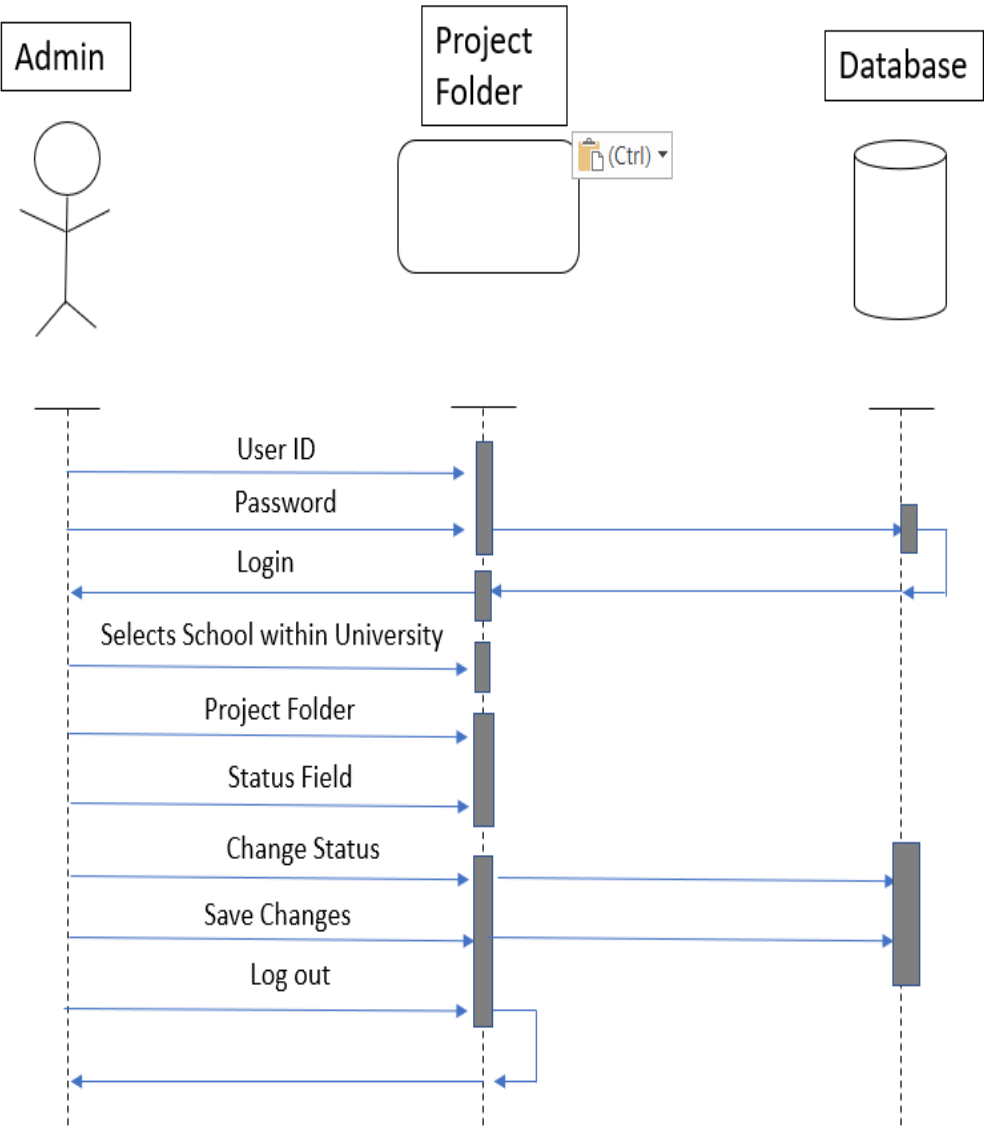
### **6.1 <Reach Out for Support>**

- This use case can come into play before or after any step of the primary flow should the user encounter technical or administrative issue.

### **6.2 <Log into System>**

Use case happens at the start of primary flow

Use Case  
Change  
Status of a  
Project





# Use Case Specification: <Share Papers Submitted for Publication>

## 1. Share Papers Submitted for Publication

### 1.1 Brief Description

Uploads & shares related articles written by researcher they have previously submitted for outside publication.

## 2. Flow of Events

### 2.1 Basic Flow

- User enters UserID
- User enters password
- User presses login button
- User clicks on projects folder
- User clicks on specified shared project folder
- User clicks upload
- User browses for document
- User uploads document so concr

### 2.2 Alternative Flows

#### 2.2.1 < Alternative Flow for Admin User >

- User enters UserID
- User enters password
- User presses login button
- User clicks on projects folder
- User clicks on specified shared project folder
- User clicks on previously uploaded document for review

#### 2.2.1.1 < An Alternative Subflow >

- User clicks download

#### 2.2.2 < Second Alternative Flow >

- NA

## **3. Special Requirements**

**3.1**    None

## **4. Pre-conditions**

**4.1**    User must have existing account.

## **5. Post-conditions**

**5.1**    < Post-condition One >

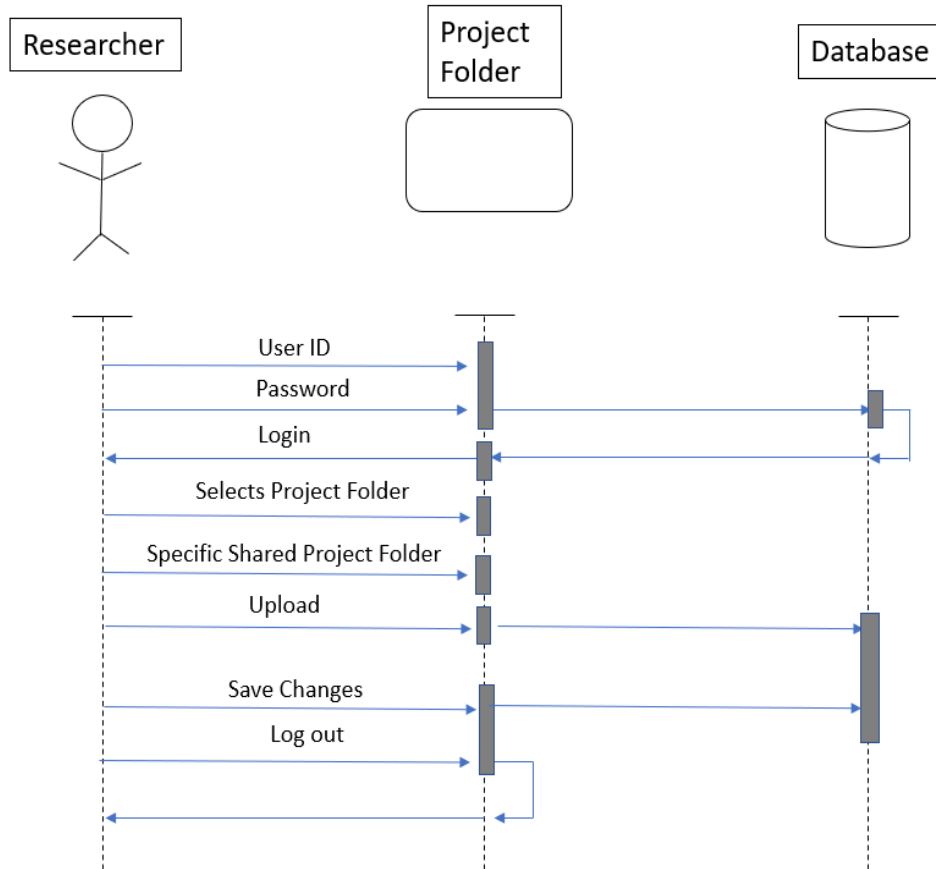
Uploaded document must be accessible by concerned or linked parties. Uploaded document must be able to be downloaded.

## **6. Extension Points**

**6.1**    <Publish Innovation Newsletter>

Newsletter can be published highlighting the recently written research paper and highlight the publishing journal if any.

Use Case  
Shared  
Papers  
Submitted  
for  
Publication



# Use Case Specification: <Access agreements>

## 1. Access agreements

### 1.1 Brief Description

Various agreements must be made between the parties agreeing to partner on a research project such as Non-Disclosure Agreements, Material Transfers, etc.

## 2. Flow of Events

### 2.1 Basic Flow

A user contacts another user about the agreements they have.

Users share Names.

User share emails.

Users share phone numbers.

Users submit information to each other.

### 2.2 Alternative Flows

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 < Pre-condition One >

There must be users looking for an Access agreement.

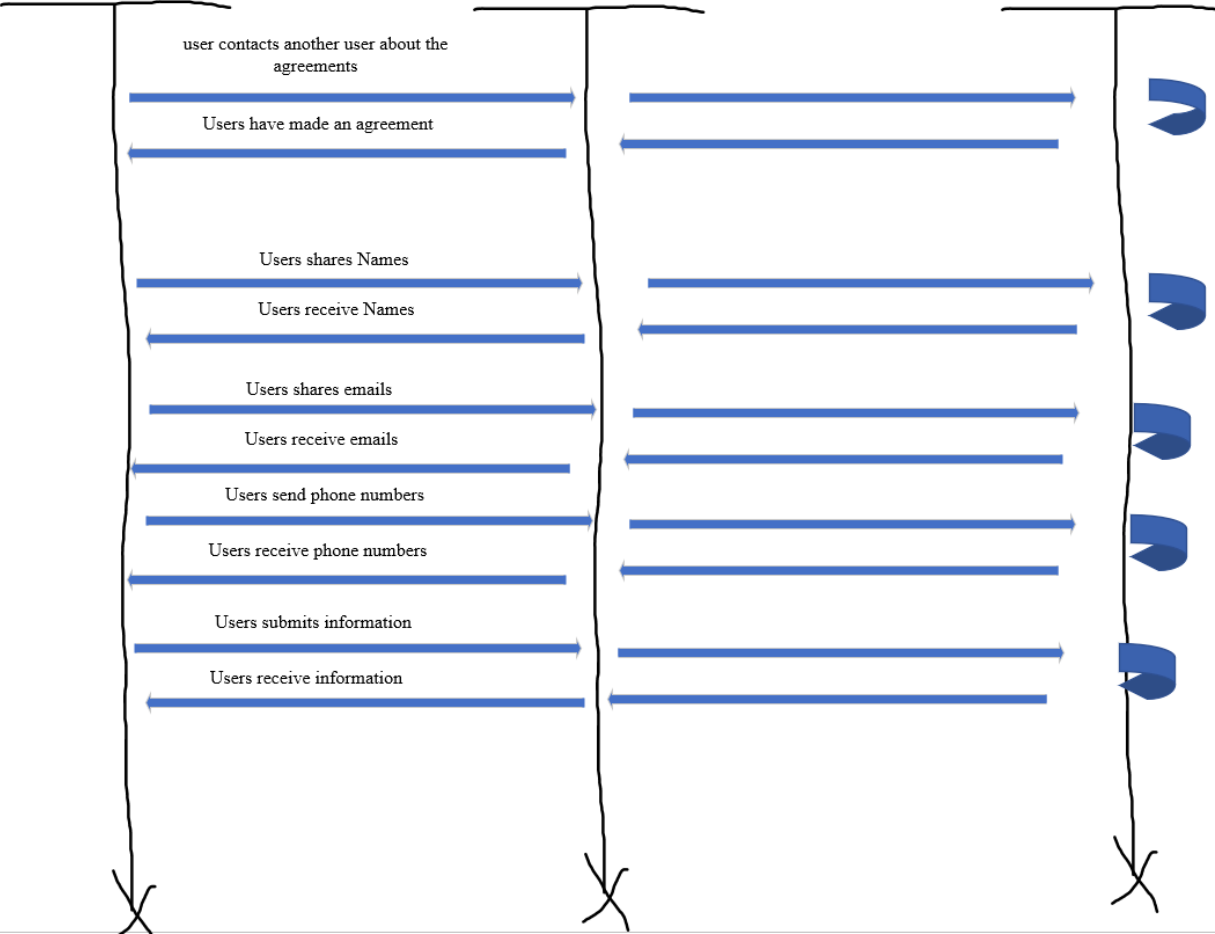
## 5. Post-conditions

### 5.1 < Post-condition One >

There may be a signed access agreement from the users.

## 6. Extension Points

Use Case 5  
Access  
Agreements



# Use Case Specification: <Contact EPI-Center>

## 1. Contact EPI-Center

### 1.1 Brief Description

The Commercialization EPI-Center bridges the gap between industry and researchers and helps move from research to market.

## 2. Flow of Events

### 2.1 Basic Flow

User navigates to the EPI-Center site.  
User enters username.  
User enters password.  
User Logins.  
User calls the EPI-Center

#### 2.1.1 < First Alternative Flow >

User faxes the EPI-Center.

#### 2.1.1.1 < An Alternative Subflow >

#### 2.1.2 < Second Alternative Flow >

User emails the EPI-Center.

#### 2.1.3 < Third Alternative Flow >

User visits the EPI-Center in person.

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 < Pre-condition One >

The user should have a product they want to take to market.

## 5. Post-conditions

### 5.1 < Post-condition One >

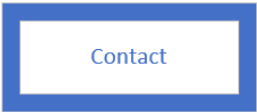
The user with the help of the EPI-center has taken their product to market.

## 6. Extension Points

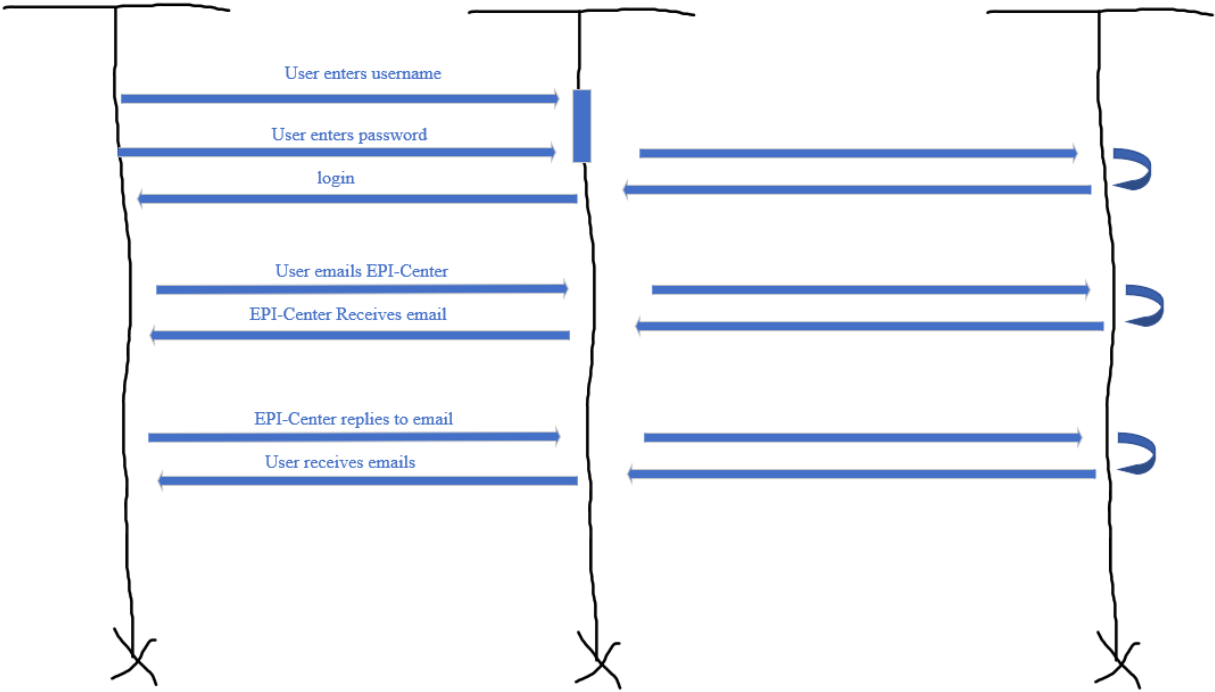
Use Case 6  
Contact EPI-  
Center



Class Name



Database



# Use Case Specification: <Subscribe to UofL Innovation Newsletter>

## 1. Subscribe to UofL Innovation Newsletter

### 1.1 Brief Description

On the Research and Innovation website we wanted the User to have an opportunity to subscribe to the UofL innovation newsletter, a newsletter that regularly updates on the current progress and achievements made by the department. It would provide continual update on everything the department is involved in and would be delivered by email.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks the subscribe button, located in the top right corner of the home page.
- The button then initiates a pop-up window
- Box displays
- Asks the user to input/do two things:
  - o Enter your email address
  - o Check our agreements box (agreeing to our terms and service)
- Click Enter
- Pop up box disappears

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

None

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

None

## 3. Special Requirements

None

### 3.1 < First Special Requirement >

## 4. Pre-conditions

- Internet connected
- Website opened

### 4.1 < Pre-condition One >

## 5. Post-conditions

User receives regularly based emails sent to the provided email address regarding the department



5.1    < Post-condition One >

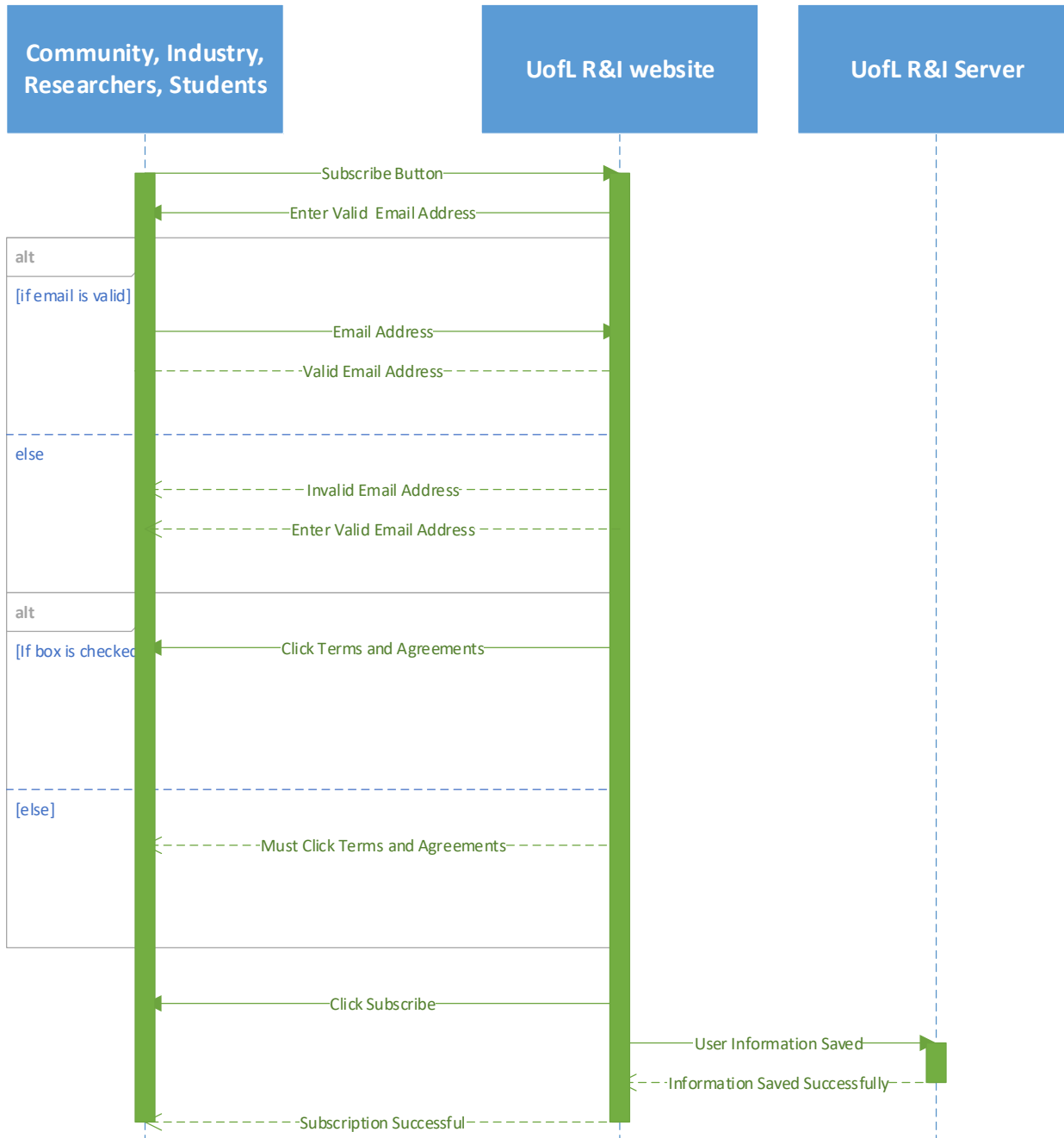
## 6. Extension Points

None

6.1    <Name of Extension Point>



## Use Case 7(Subscribe to UofL Innovation NewsLetter)



# Use Case Specification: <Reach out for support>

## 1. Reach out for support

### 1.1 Brief Description

The opportunity to reach out for support is important and should be included on all websites. It allows the user to reach out to another source for help on a current issue or problem they've run into. Adding this use case also allows us to show every user that we want to provide constant support and care regarding any problem or issue they may face.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks Help button located at bottom of webpage
- Button opens a new window
- Window displays
- Display Help line number
- Display Fax number
- Display EVPRI Service Account

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

None

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

None

## 3. Special Requirements

### 3.1 None

## 4. Pre-conditions

Website already opened and user is already logged in.

### 4.1 < Pre-condition One >

## 5. Post-conditions

User has access to the phone and fax number, and access to email the EVPRI Service Account.

5.1    < Post-condition One >

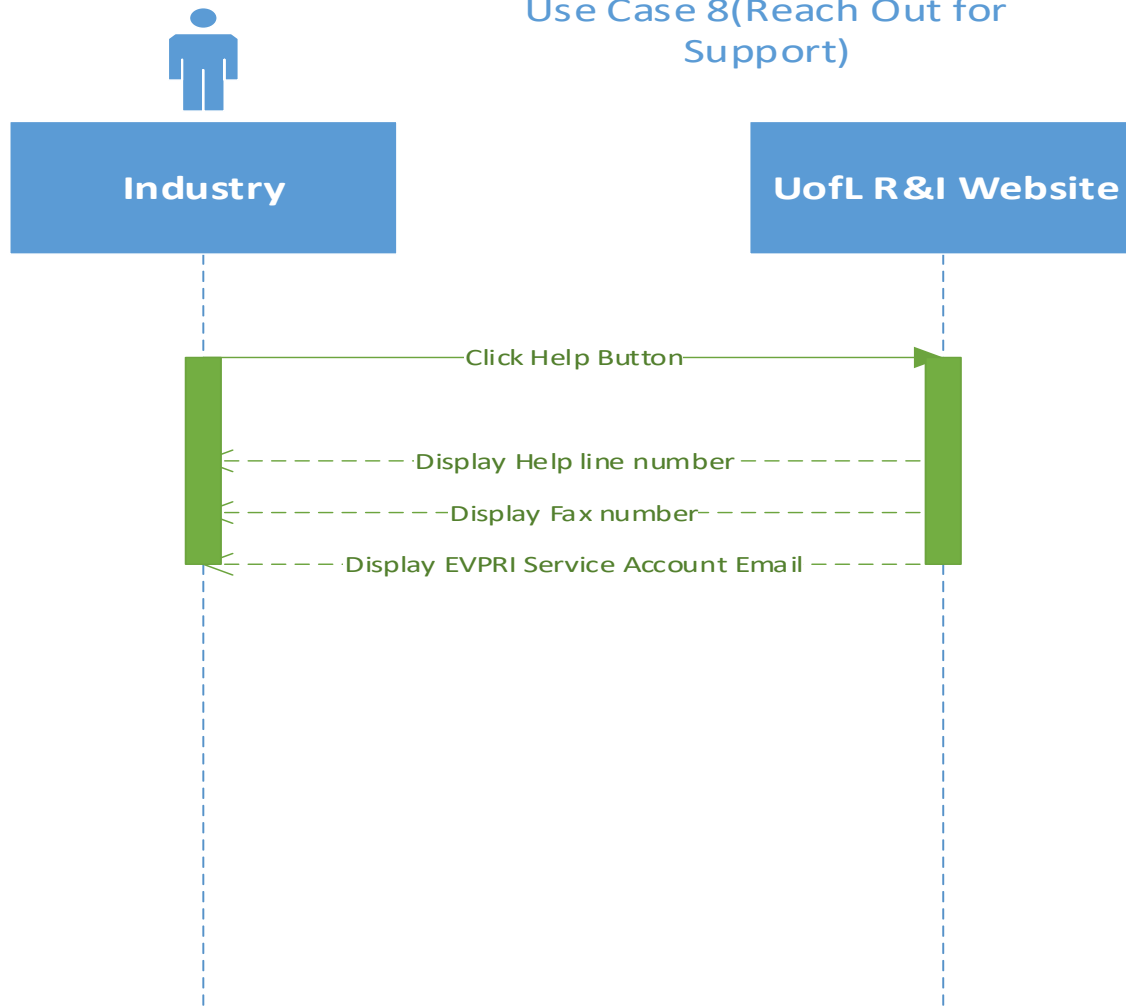
## 6. Extension Points

None

6.1    <Name of Extension Point>

None

## Use Case 8(Reach Out for Support)



# Use Case Specification: <Register for Clinical Trials>

## 1. Register for Clinical Trials

### 1.1 Brief Description

Users involved with this case would be the students and community. Users will be able to register for future clinical trials by clicking on the link for the ResearchMatch website. This is an important process as volunteers are needed in order to conduct the clinical trials, and therefore need a way to register for them. This would be considered high risk.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks on “Clinical Research” tab.
- User clicks on “Clinical Trials Unit” link.
- User clicks on “Register for Future Trials” link.
- User clicks on “Join ResearchMatch” link.
- User will finish registering process on third party website (researchmatch.org)

3.

## 4. Pre-conditions

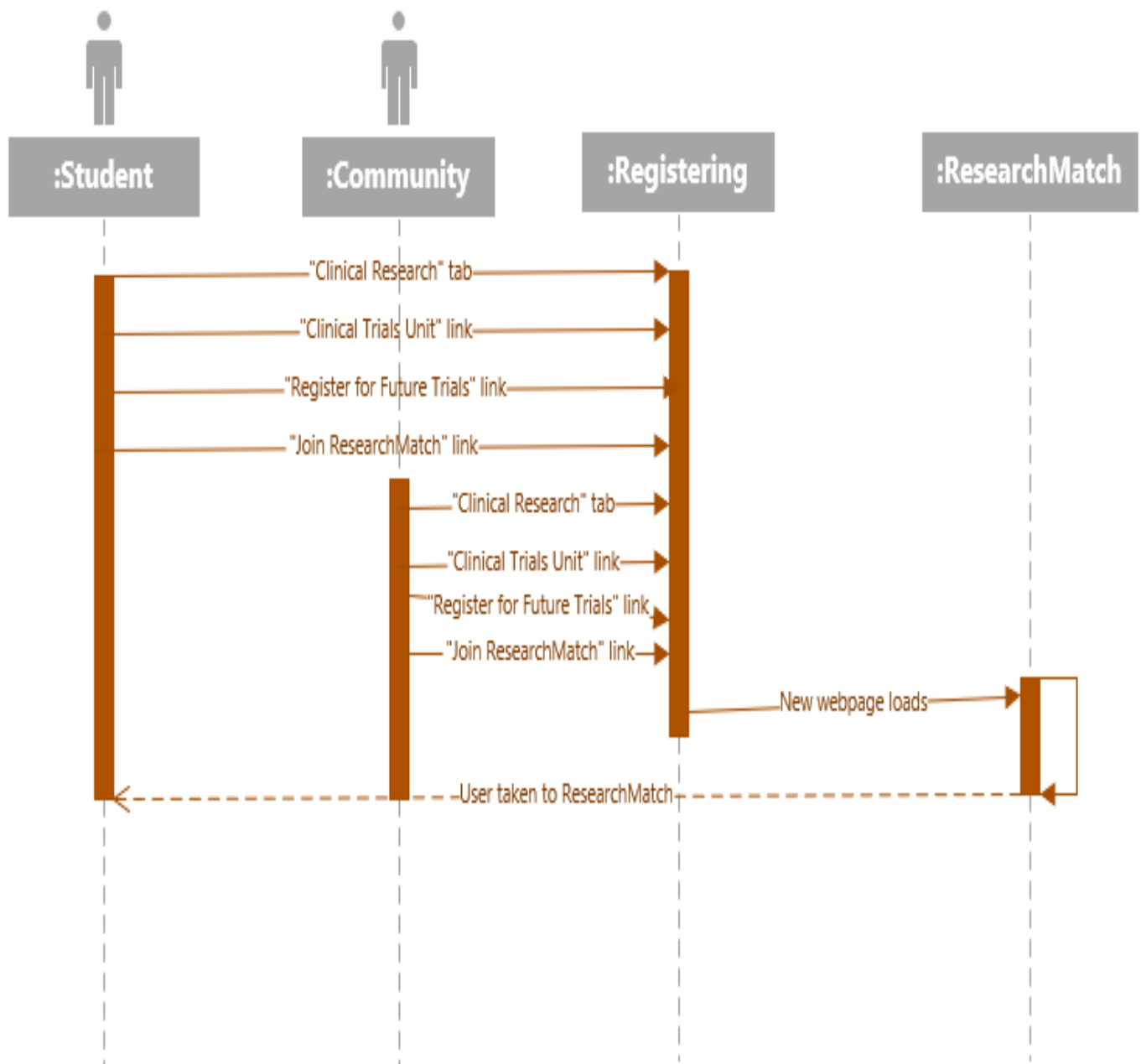
### 4.1 Access

- User must be at website.
- User must have access to a computer and the internet.

## 5. Post-conditions

### 5.1 Access to Registering

- The user successfully navigated to ResearchMatch.



# Use Case Specification: <Apply for Internal Grants>

## 1. Apply for Internal Grants

### 1.1 Brief Description

Users involved with this case would be the researchers. Users will be able to search for and download an application for their chosen internal grant. This is important because a researcher or student require funding in order to carry out their project proposals, with some of them looking to internal grants. This is considered high risk.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks on “Research Support” tab.
- User clicks on “Internal Grants Program” tab.
- User will browse through the description of various internal grants.
- User will click on link of their chosen grant.
- User will download the application document.

## 3. Special Requirements

### 3.1 Project Proposal

- User should have a project proposal ready before they begin searching for necessary funding.

## 4. Pre-conditions

### 4.1 Access

- User must be at website.
- User must have access to a computer and internet connection.

## 5. Post-conditions

### 5.1 Application Found

- The user successfully found and downloaded link for internal grant.

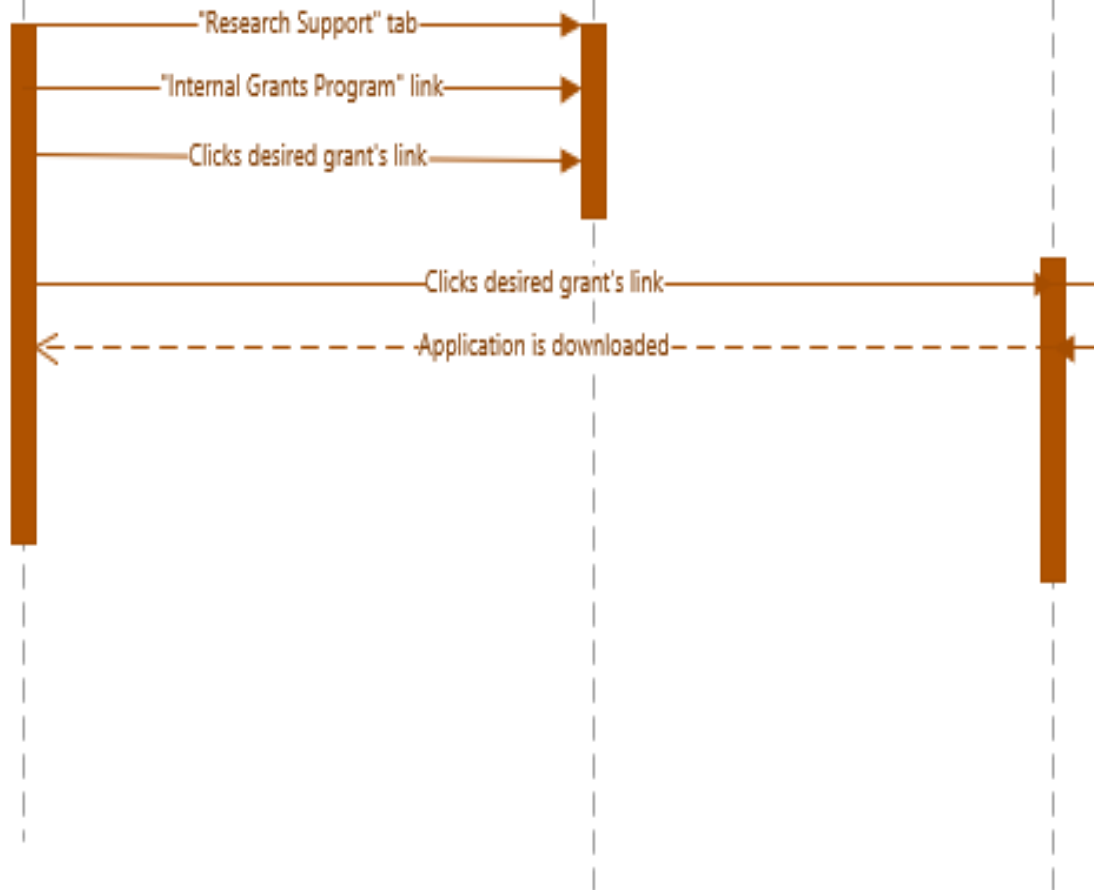




**:Researchers**

**:ApplyforInternalGrant**

**:Application**



# Use Case Specification: <Recover the System>

## 1. Recover the System

### 1.1 Brief Description

This use case is for the recovery of the newly redesigned system. The system will only be recovered if it goes down or crashes. The recovery will bring the system back up and keep it operational. This allows the system to remain functional for as long as possible.

## 2. Flow of Events

### 2.1 Basic Flow

- Admin sends an IT request to the UofL IT department
- IT department accesses backup information
- IT department uses backups to reupload lost data
- System recover the system
- IT notifies admin that the system is back up

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

- None

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

- None

## 3. Special Requirements

3.1 The restored system should have the same features, data, and quality as the original system.

## 4. Pre-conditions

- 4.1 The system must be reconstructed and redesigned before recovery can be accomplished.
- 4.2 The system must be backed up before it can be recovered.
- 4.3 The system must crash or go down before it is recovered.

## 5. Post-conditions

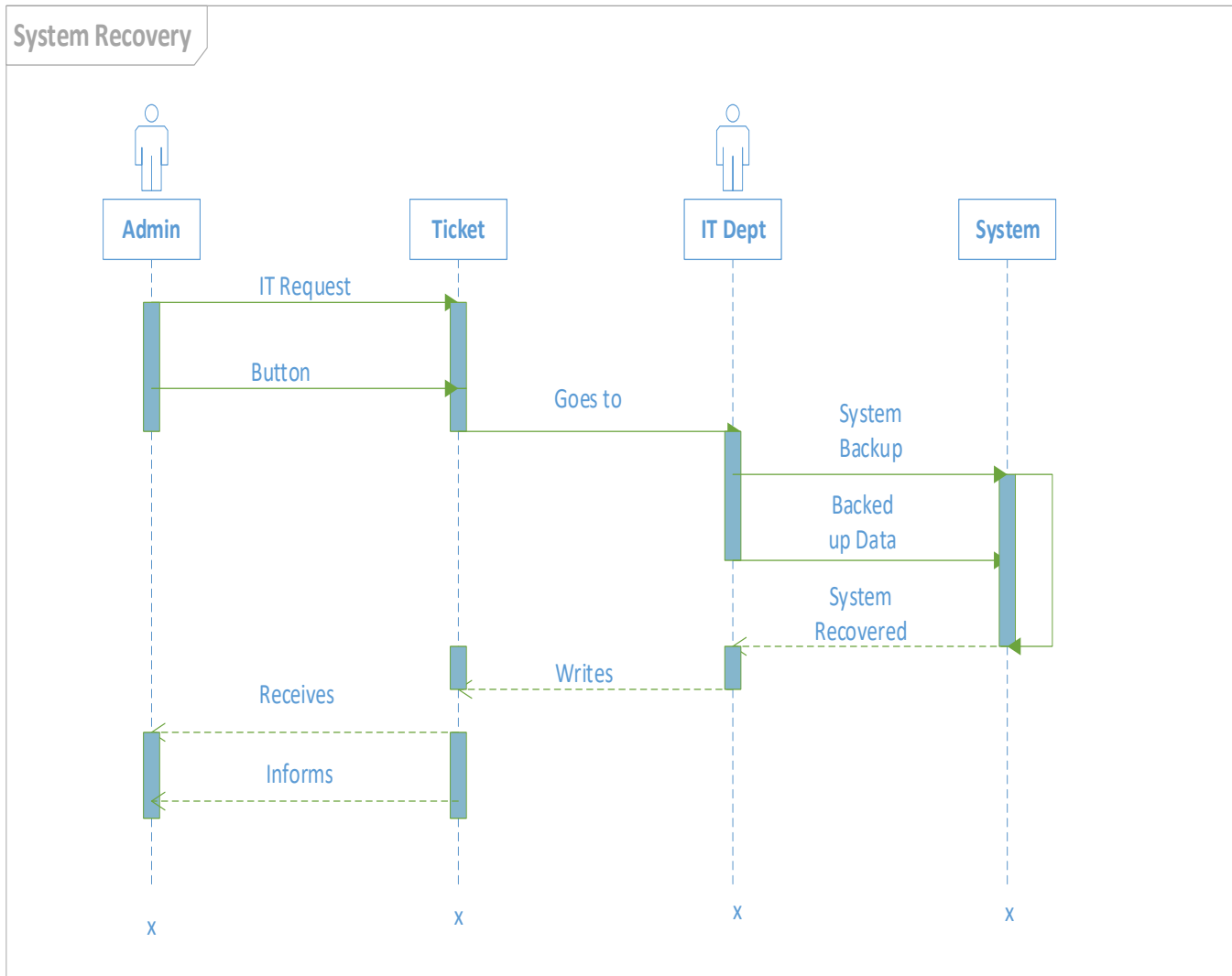
- 5.1 The system can be returned to its normal state once it has been recovered.
- 5.2 The system can be partially operational once it has been recovered, if not correctly

backed up.

## 6. Extension Points

### 6.1 <Backup the System>

This use case must be performed before the primary flow of the System Recovery use case can be performed.



# Use Case Specification: <Login to General Account>

## 1. Login to General Account

### 1.1 Brief Description

This use case is for the logging into the system using the general account. This general account allows users to track and sign up for events users want to attend.

## 2. Flow of Events

### 2.1 Basic Flow

- User enters the system
- User inputs User ID
- User inputs password
- User presses login button
- User accesses their general account with saved grant, research, and event information

### 2.2 Alternative Flows

#### 2.2.1 < User Forgets Password >

- None

#### 2.2.1.1 < An Alternative Subflow >

- None

#### 2.2.2 < Second Alternative Flow >

- None

## 3. Special Requirements

3.1 The system will give users the option to log off.

## 4. Pre-conditions

4.1 The system must not have someone already logged into it already.

4.2 The system must have the information of different users to login to the information system.

4.3 Users have active internet function

## 5. Post-conditions

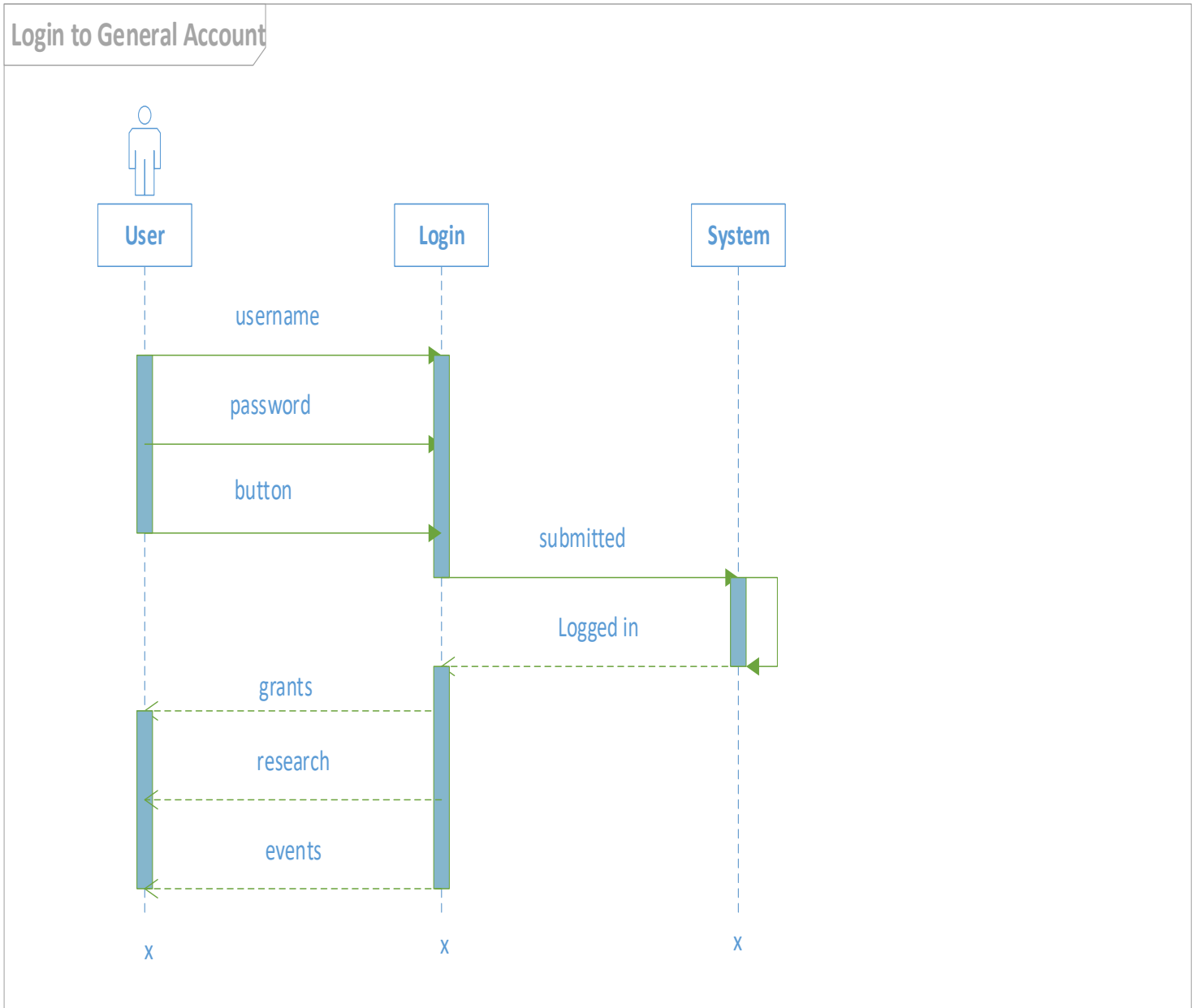
5.1 The system will display the user specific information.

5.2 The system will still be able to function while keeping users logged in.

# 6. Extension Points

## 6.1 <Create User Account>

This use case must be performed before the primary flow of this one can begin.



# Use Case Specification: <Backup the System>

## 1. Backup the System

### 1.1 Brief Description

This use case is for routinely backing up the new system. This backup should occur daily. The backup should have all the data the system needs to function. This will keep all important data safe and allow the system to be recovered when it crashes.

## 2. Flow of Events

### 2.1 Basic Flow

- Admin sends IT request to UofL IT department
- IT department backs up the system

### 2.2 Alternative Flows

#### 2.2.1 <Outside Backup>

- Admin sends a request to an outside company to back up the system

#### 2.2.1.1 < An Alternative Subflow >

- None

#### 2.2.2 < Second Alternative Flow >

- None

## 3. Special Requirements

- 3.1 The backup should include all features and data that make the system function.

## 4. Pre-conditions

- 4.1 The system must be up and running for a backup to work.
- 4.2 There must be a place to back up the data in the system.

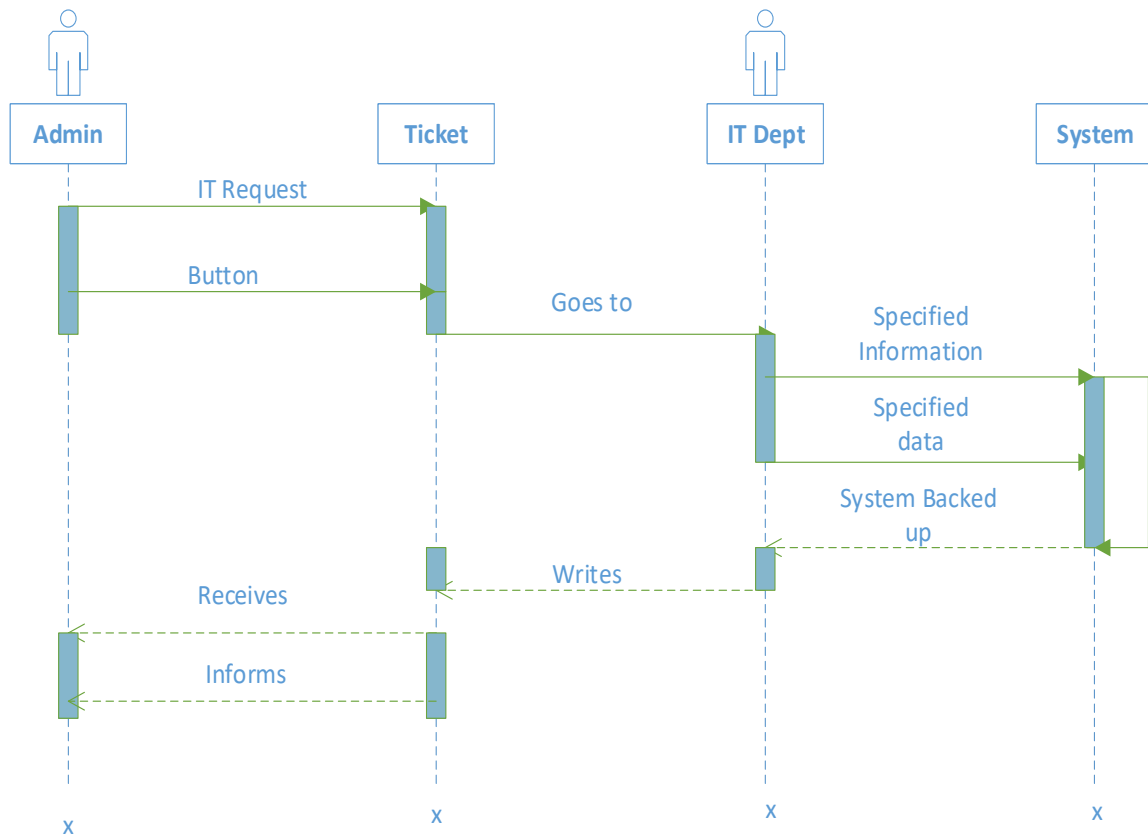
## 5. Post-conditions

- 5.1 The backup for the systems should be able to update one another.

## 6. Extension Points

- 6.1 <Name of Extension Point>

## System Backup



# Use Case Specification: <Add an Event>

## 1. Change Status of a Project

### 1.1 Brief Description

This use case involves an admin user posting information regarding an event that may be of interest to non-admin users. This is meant to garner attention and good will for the department.

## 2. Flow of Events

### 2.1 Basic Flow

- User enters UserID
- User enters password
- User presses login button
- User clicks on Event Manager tab
- User clicks Add Event button
- User enters event information by editing the following fields:
  - Date
  - Time
  - Location
  - Brief Description
  - Event Title
- User presses Add Event button
- User presses log-out button

### 2.2 Alternative Flows

#### 2.2.1 < Alternative Flow for Admin User >

NA

#### 2.2.1.1 < An Alternative Subflow >

- NA

#### 2.2.2 < Second Alternative Flow >

- NA

## 3. Special Requirements

- NA

### 3.1 < First Special Requirement >

Website must allow admin users to edit events section.



## **4. Pre-conditions**

### **4.1 < Pre-condition One >**

User must have existing account. User must have event information before adding to website.

## **5. Post-conditions**

### **5.1 < Post-condition One >**

- New post must be editable for future updated and deletion.

## **6. Extension Points**

### **6.1 <Edit Event>**

- This use case allows the admin to edit and update a preexisting post in the Event selection.

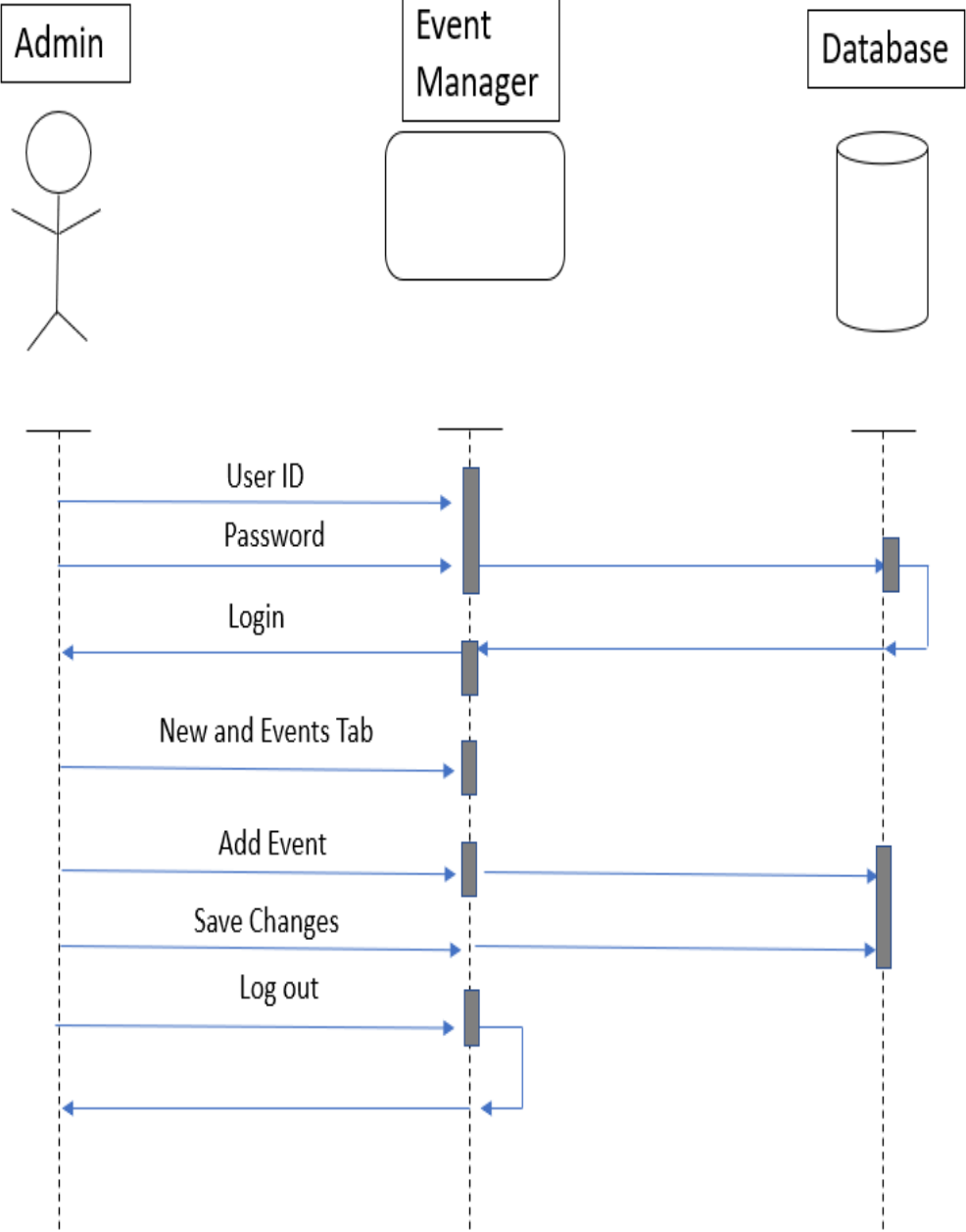
### **6.2 <Register for Event>**

The use case allows the user to register for an upcoming event.

### **6.3 <Delete Expired Event>**

The use case allows the admin user to delete an event that has already passed.

Use Case  
Add Event



# Use Case Specification: <Edit an Event>

## 1. Change Status of a Project

### 1.1 Brief Description

Admin will be able to update an existing event.

## 2. Flow of Events

### 2.1 Basic Flow

- User enters UserID
- User enters password
- User presses login button
- User clicks on News and Events tab
- User clicks the specific existing event
- User clicks edit button
- User has ability to update event information
  - Date
  - Time
  - Location
  - Brief Description
  - Event Title
- User presses save button
- User presses log-out button

### 2.2 Alternative Flows

#### 2.2.1 < Alternative Flow for Admin User >

NA

##### 2.2.1.1 < An Alternative Subflow >

- NA

#### 2.2.2 < Second Alternative Flow >

- NA

## 3. Special Requirements

- NA

### 3.1 < First Special Requirement >

Website must allow admin users to edit events section.

## **4. Pre-conditions**

### **4.1 < Pre-condition One >**

User must have existing account. User must have event information before adding to website.

## **5. Post-conditions**

### **5.1 < Post-condition One >**

Existing post must be editable for future updated and deletion.

## **6. Extension Points**

### **6.1 <Add Event>**

This use case allows the admin to add and update an event.

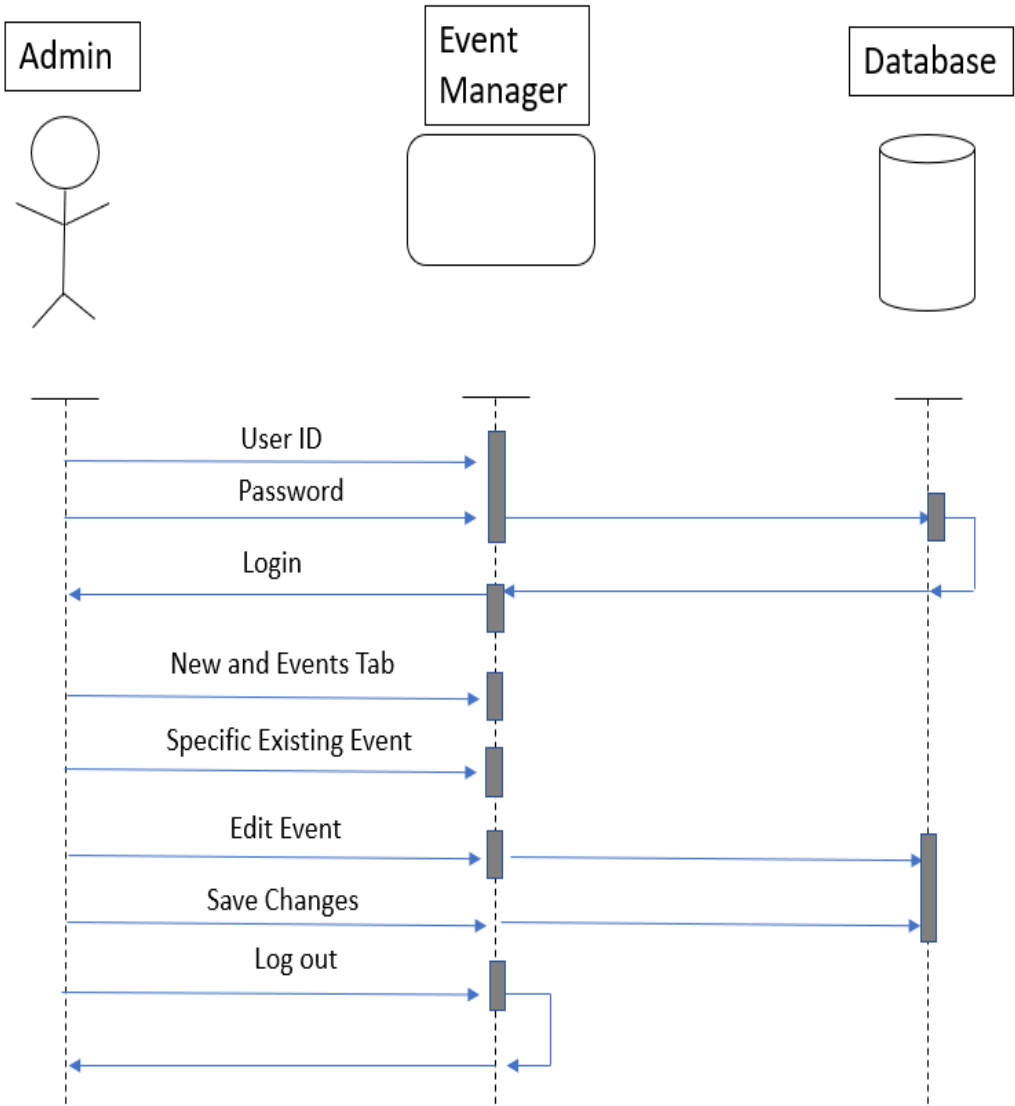
### **6.2 <Register for Event>**

The use case allows the user to register for an upcoming event.

### **6.3 <Delete Expired Event>**

The use case allows the admin user to delete an event that has already passed.

Use Case  
Edit Event



# Use Case Specification: <Register for Event>

## 1. Change Status of a Project

### 1.1 Brief Description

User will be able to sign up for posted event.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks on News and Events tab
- User clicks specific month
- User clicks on specified event
- User clicks register button
- User types in name
- User events email address
- User types in number attending
- User click register button
- User receives confirmation email

### 2.2 Alternative Flows

#### 2.2.1 < Alternative Flow for Admin User >

- User clicks on News and Events tab
- User clicks specific month
- User clicks on specified event
- User clicks register button
- User types in name
- User events email address
- User types in number attending
- User puts in payment information
- User click register button
- User receives confirmation email

#### 2.2.1.1 < An Alternative Subflow >

- NA

#### 2.2.2 < Second Alternative Flow >

- NA

## 3. Special Requirements

- NA

### 3.1 < First Special Requirement >

Website must be able to except payments for paid events.

Website must generate invoices for payments received.

Website must be able to generate confirmation email.

## **4. Pre-conditions**

### **4.1 < Pre-condition One >**

Each event must have its own individual register button.

## **5. Post-conditions**

### **5.1 < Post-condition One >**

Event must show when event is at capacity.

## **6. Extension Points**

### **6.1 <Add Event>**

This use case allows the admin to add and update an event.

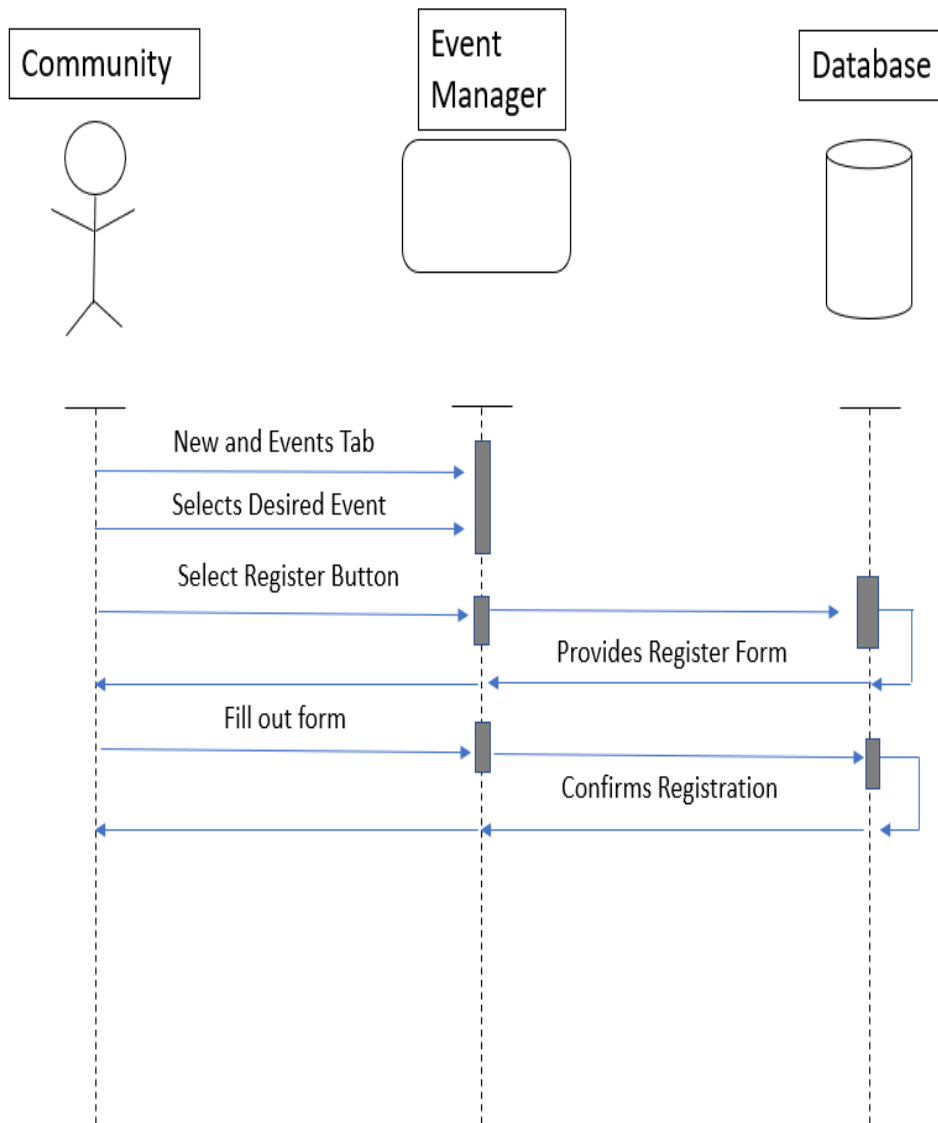
### **6.2 <Edit Event>**

The use case allows the admin to edit an existing event.

### **6.3 <Delete Expired Event>**

The use case allows the admin user to delete an event that has already passed.

Use Case  
Register for  
Event





# Use Case Specification: <Delete Expired Event>

## 1. Change Status of a Project

### 1.1 Brief Description

This use case involves an admin user deleting an event that as already passed.

## 2. Flow of Events

### 2.1 Basic Flow

- User enters UserID
- User enters password
- User presses login button
- User clicks on News and Events tab
- User clicks specific event
- User deletes all information for event
- User presses save button
- User presses log-out button

### 2.2 Alternative Flows

#### 2.2.1 < Alternative Flow for Admin User >

NA

##### 2.2.1.1 < An Alternative Subflow >

- NA

#### 2.2.2 < Second Alternative Flow >

- NA

## 3. Special Requirements

- NA

### 3.1 < First Special Requirement >

Website must allow admin users to edit events section.

## 4. Pre-conditions

### 4.1 < Pre-condition One >

User must have existing account. User must have event information before deleting from website.

## 5. Post-conditions

### 5.1 < Post-condition One >

No other users must be able to access, register, edit event once deleted.

# 6. Extension Points

## 6.1 <Edit Event>

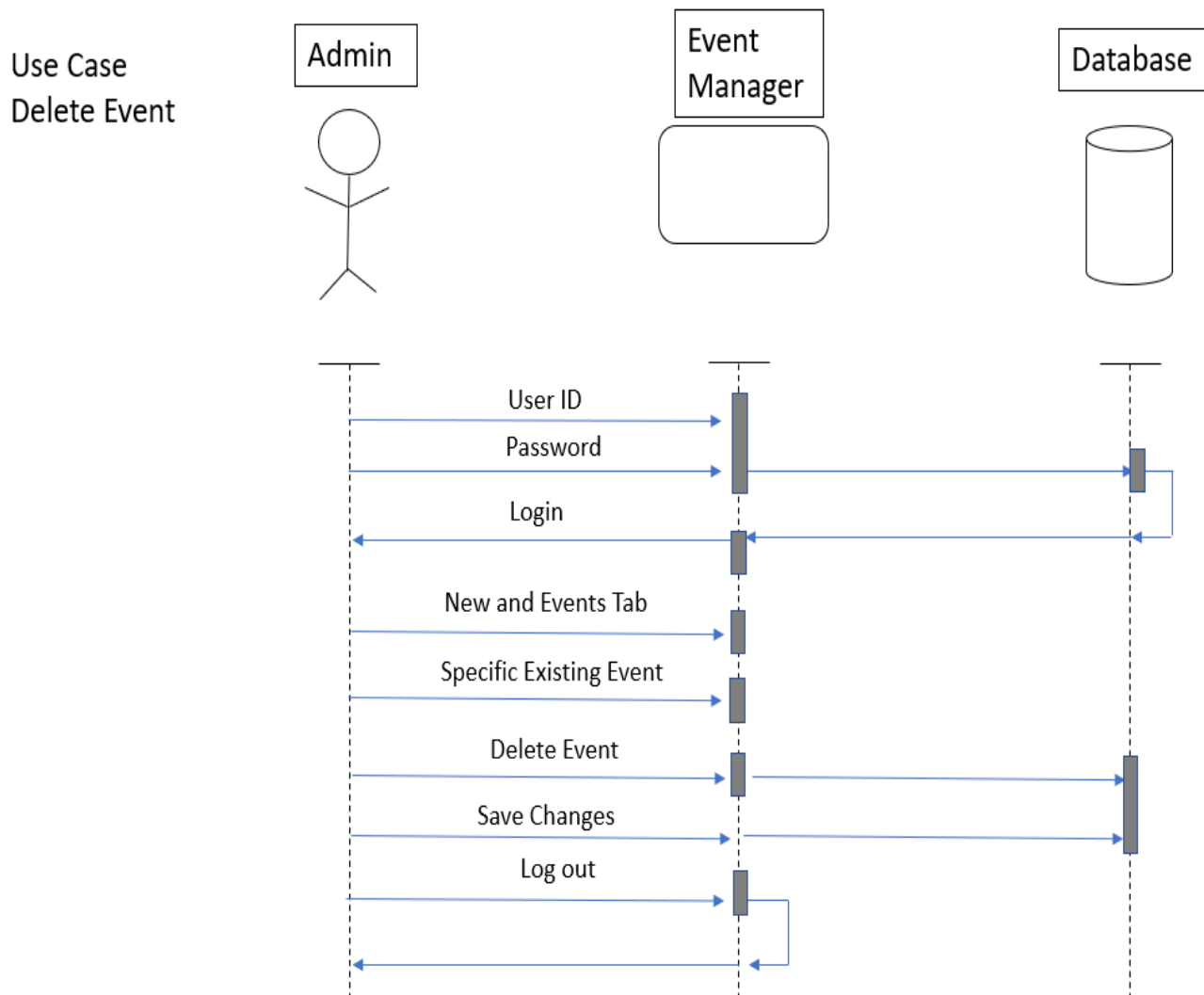
This use case allows the admin to edit and update a preexisting post in the Event selection.

## 6.2 <Register for Event>

The use case allows the user to register for an upcoming event.

## 6.3 <Add Event>

Admin will post upcoming event details along with information on how to sign up.



# Use Case Specification: < Publish Innovation Newsletter to Website >

## 1. Publish Innovation Newsletter to Website

### 1.1 Brief Description

Admin will be able to publish the innovation newsletter to the website.

## 2. Flow of Events

### 2.1 Basic Flow

Admin enter username  
Admin enters password  
Admin creates newsletter header  
Admin creates newsletter body  
Admin creates newsletter title  
Admin proofreads newsletter  
Admin publish newsletter to the website

### 2.2 Alternative Flows

N/A

## 3. Special Requirements

### 3.1 < First Special Requirement >

User must have an Admin account.

## 4. Pre-conditions

### 4.1 < Pre-condition One >

User must have an Admin account.

### 4.2 < Pre-condition Two >

User must have an internet connection.

## 5. Post-conditions

### 5.1 < Post-condition One >

The website has a published newsletter.

## 6. Extension Points

## Use Case 18

Publish Innovation  
Newsletter to  
Website

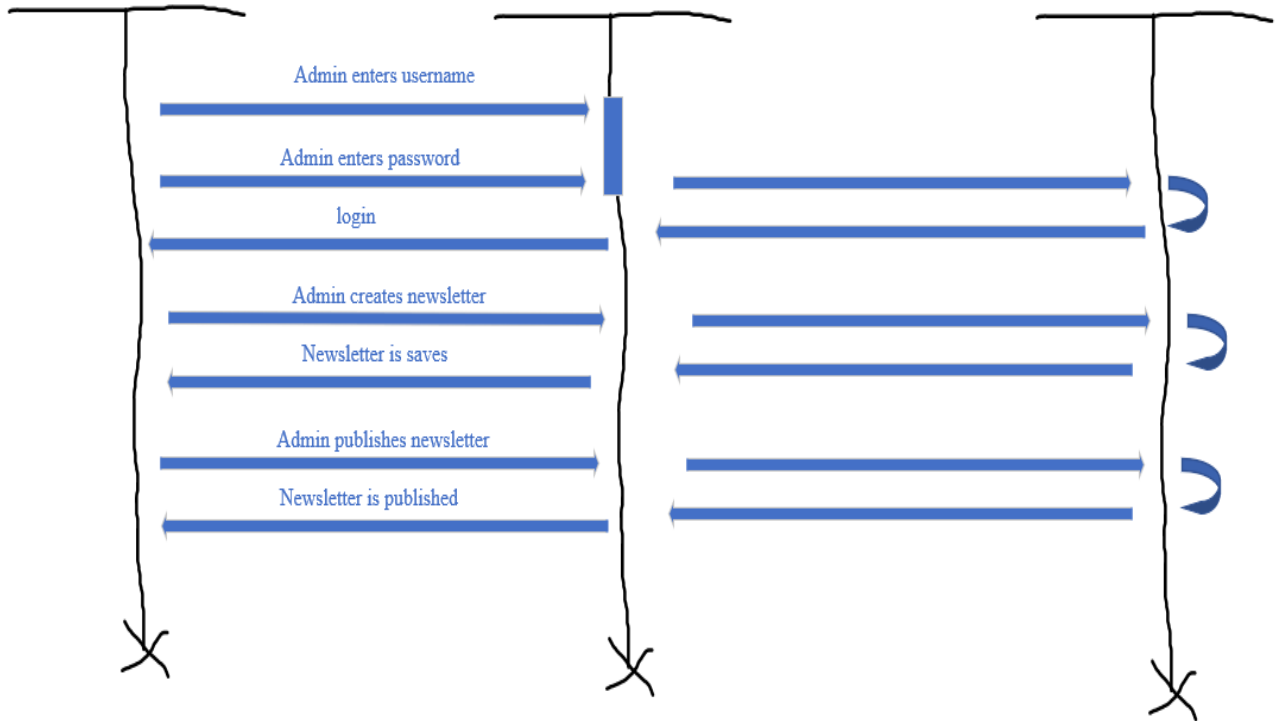
User



Class Name



Database



# Use Case Specification: <Edit Admin Account>

## 1. Edit Admin Account

### 1.1 Brief Description

All accounts should have the ability to edit their account and could update it regularly. It allows the user to maintain an up to date account that provides the system with the most recent information.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks on Account button (located at the top of the webpage)
- Drop down appears
- User clicks edit account
- New Window appears
- Windows displays edit profile page
- User can now edit information
- User can now delete information
- User clicks save button
- Users information is updated/saved

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

None

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

None

## 3. Special Requirements

### 3.1 < First Special Requirement >

Administrative Account edit feature, administrative contact information input, and save information button.

## 4. Pre-conditions

User has the webpage open, created an administrative account, logged into account, and has been cleared to edit/update administrative account.

4.1 < Pre-condition One >

5. Post-conditions

Users have up to date information, that in turn helps the system reach and contact them at the appropriate address and contact information.

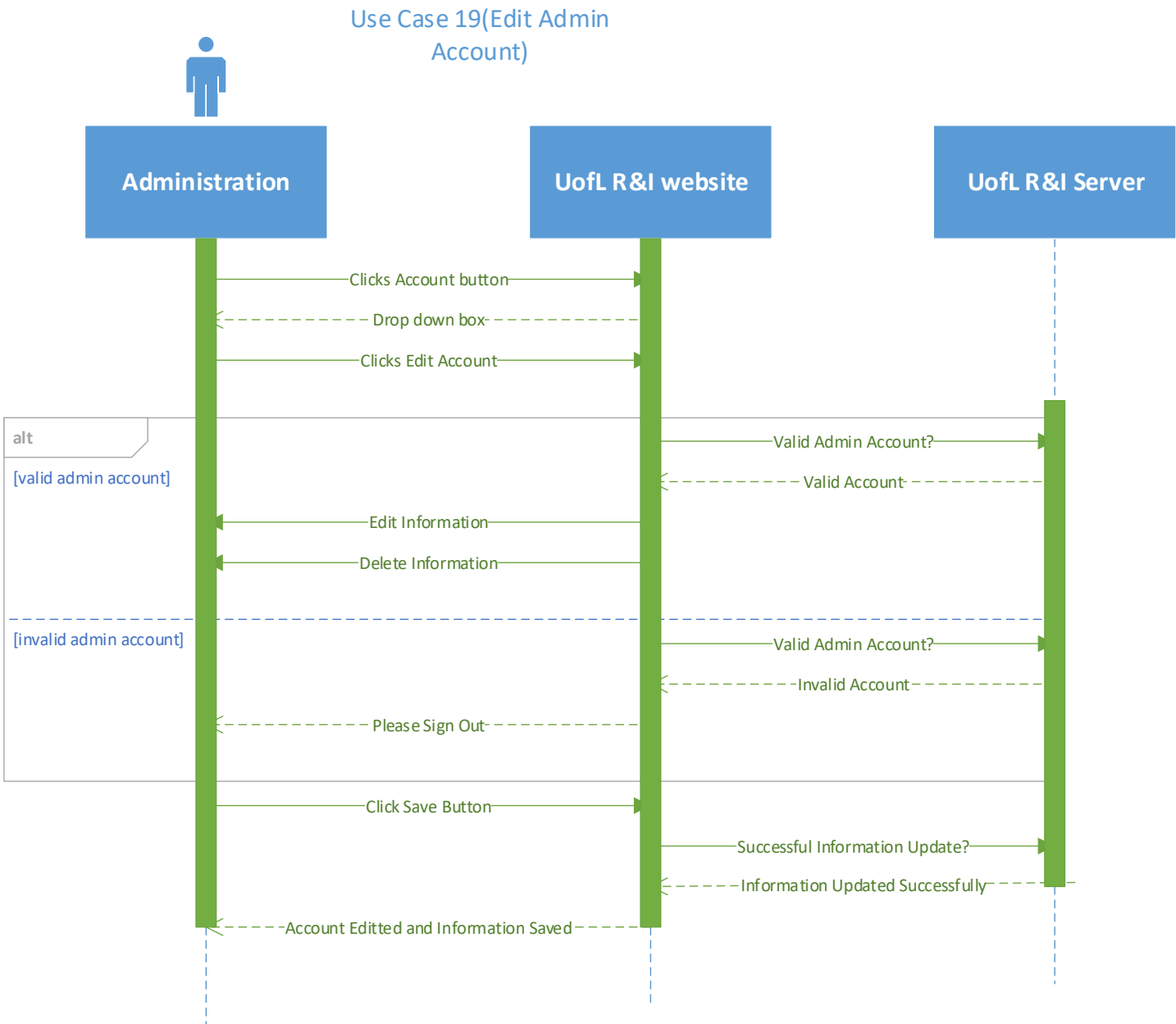
5.1 < Post-condition One >

6. Extension Points

Administrative Responsibilities

6.1 <Name of Extension Point>

None



# Use Case Specification: < Use Search Bar >

## 1. Use Search Bar

### 1.1 Brief Description

A search bar should be mandatory in all websites. It enables the user to locate information and provides them with several different options/choices. Without a search bar the user could have to open several tabs and spend a large amount of time searching for the information they need.

### 1.2 Basic Flow

- User opens webpage
- User needs to find information
- User clicks on search bar (located on the top of the webpage)
- User enters keywords or information they are looking for
- New window opens
- Website displays where information is located
- User clicks on one of the links provided with possible locations of the information

### 1.3 Alternative Flows

#### 1.3.1 < First Alternative Flow >

None

#### 1.3.1.1 < An Alternative Subflow >

None

#### 1.3.2 < Second Alternative Flow >

None

## 2. Special Requirements

Search Bar works, and provides multiple choices for the user, in a new window.

### 2.1 < First Special Requirement >

## 3. Pre-conditions

Website opened.

### 3.1 < Pre-condition One >

## 4. Post-conditions

User has located information they were searching for.

4.1 < Post-condition One >

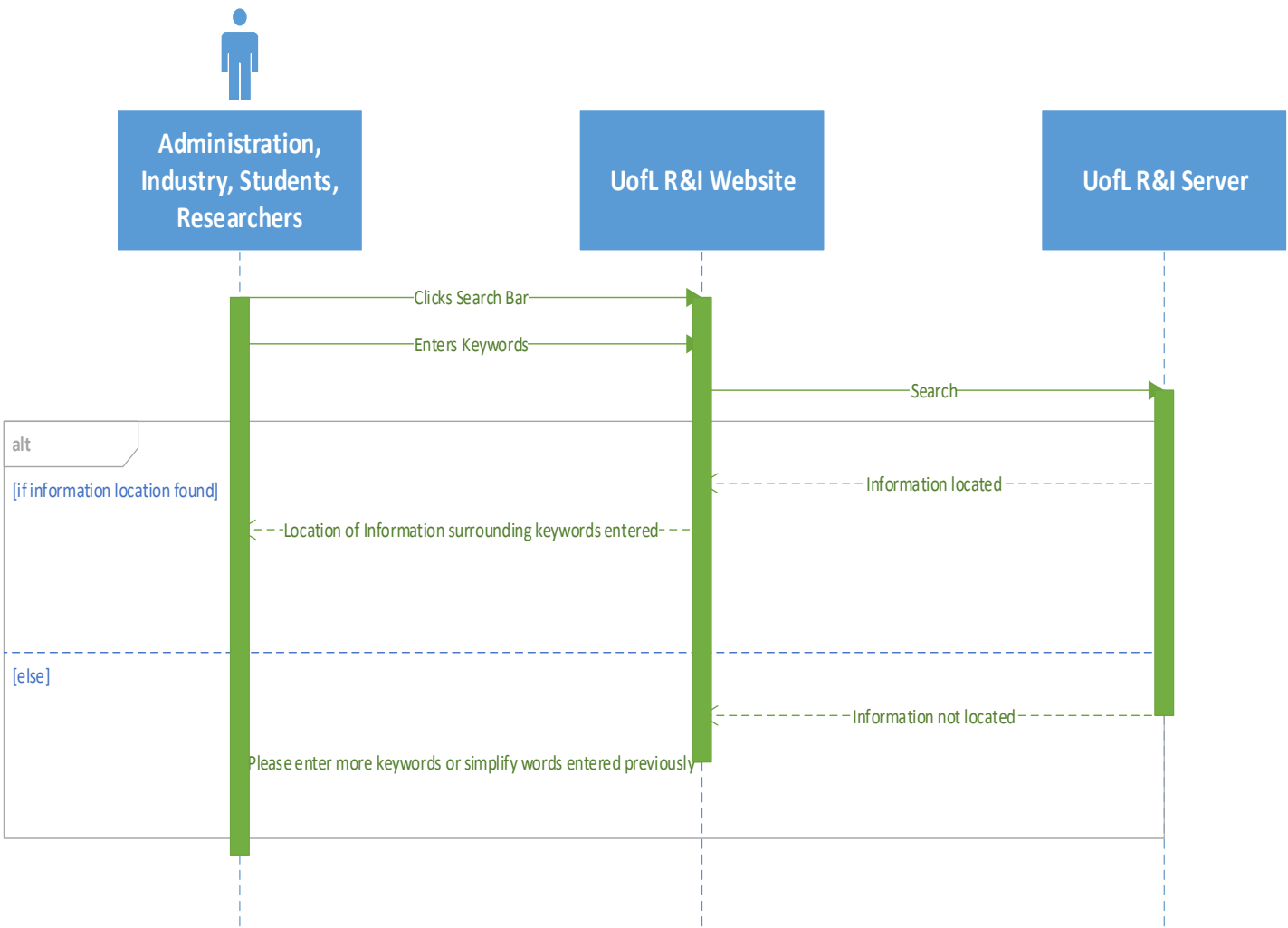
5. Extension Points

None

5.1 <Name of Extension Point>

None

Use Case 20(Use Search Bar)





# Use Case Specification: <Find Internal Grants>

## 1. Find Internal Grants

### 1.1 Brief Description

Researchers should have the ability to search for internal grants on our website, located in our funding tab. The ability to easily locate information needed for internal grants, and grants that the researcher can apply for, or investigate, in a more detailed manner, is very important.

## 2. Flow of Events

### 2.1 Basic Flow

- Webpage is open
- User clicks on funding tab
- User clicks on Find Internal Grants button (located on the left side of the page)
- Webpage changes into a find internal grants page
- User is shown a search bar in the middle of the page
- User searches for grants based on information provided in search bar
- User has located the grant they were looking for

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

None

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

None

## 3. Special Requirements

### 3.1 < First Special Requirement >

In compliance with the Universities grant guidelines. Up to date grant information provided by the university and research and innovation center.

## 4. Pre-conditions

Webpage is open

### 4.1 < Pre-condition One >

## 5. Post-conditions

User has located the grant they were searching for and have the appropriate information to apply for it or look into it in a more detailed manner.

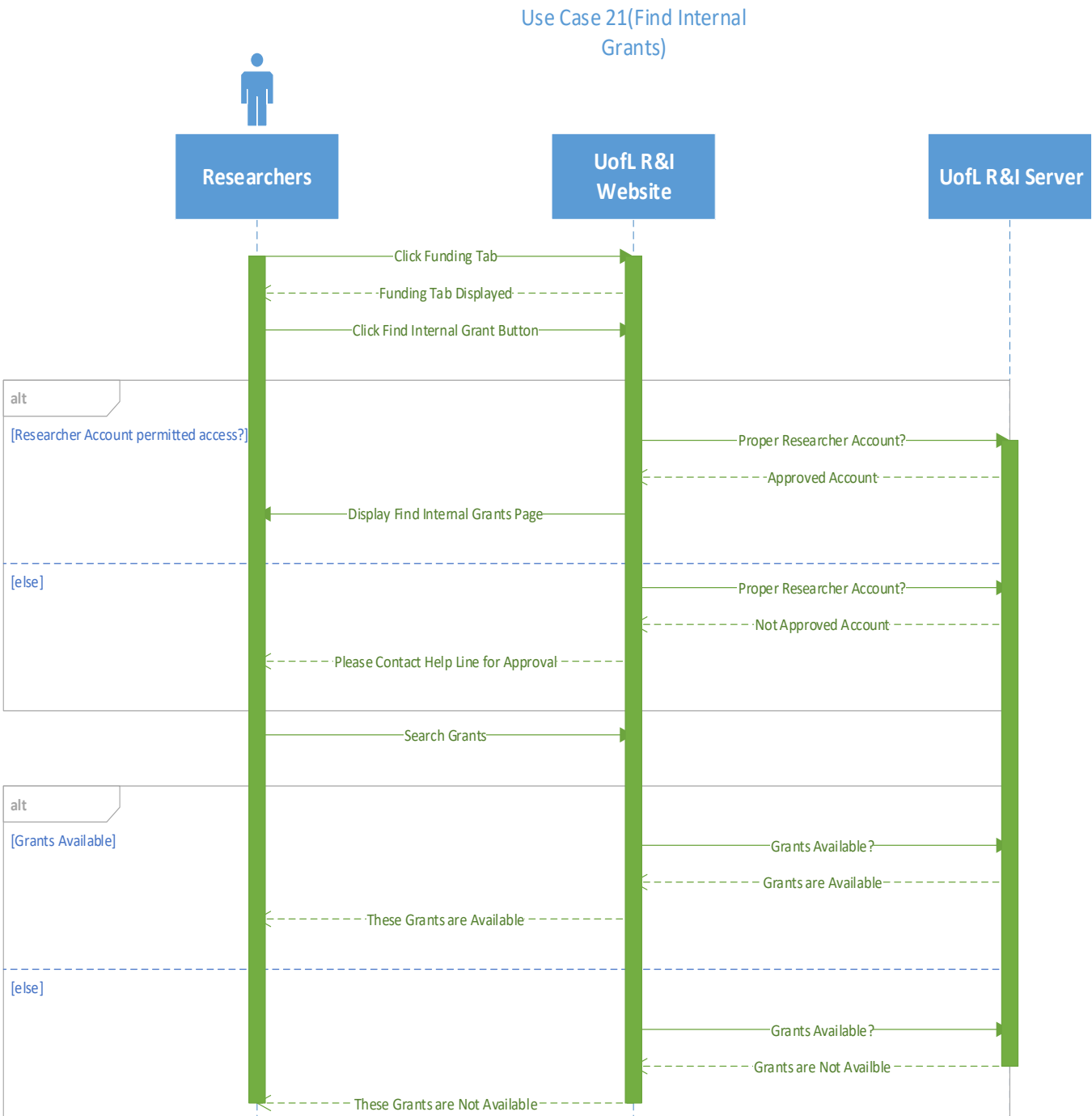
5.1 < Post-condition One >

6. Extension Points

None

6.1 <Name of Extension Point>

None



# Use Case Specification: <Find External Grants>

## 1. Find External Grants

### 1.1 Brief Description

Researchers should have the ability to search for external grants on our website, located in our funding tab. The ability to easily locate information needed for external grants, and grants that the researcher can apply for, or investigate, in a more detailed manner, is very important.

## 2. Flow of Events

### 2.1 Basic Flow

- Webpage is open
- User clicks on funding tab
- User clicks on Find External Grants button (located on the left side of the page, below Find Internal Grants button)
- Webpage changes into a find external grants page
- User is shown a search bar in the middle of the page
- User searches for grants based on information provided in search bar
- User has located the grant they were looking for

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

None

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

None

## 3. Special Requirements

In compliance with the federal and other company grant guidelines. Up to date grant information provided by the government, outside companies, and research and innovation center.

### 3.1 < First Special Requirement >

## 4. Pre-conditions

Webpage open

### 4.1 < Pre-condition One >

## 5. Post-conditions

User has located the grant they were searching for and have the appropriate information to apply for it or look into it in a more detailed manner.

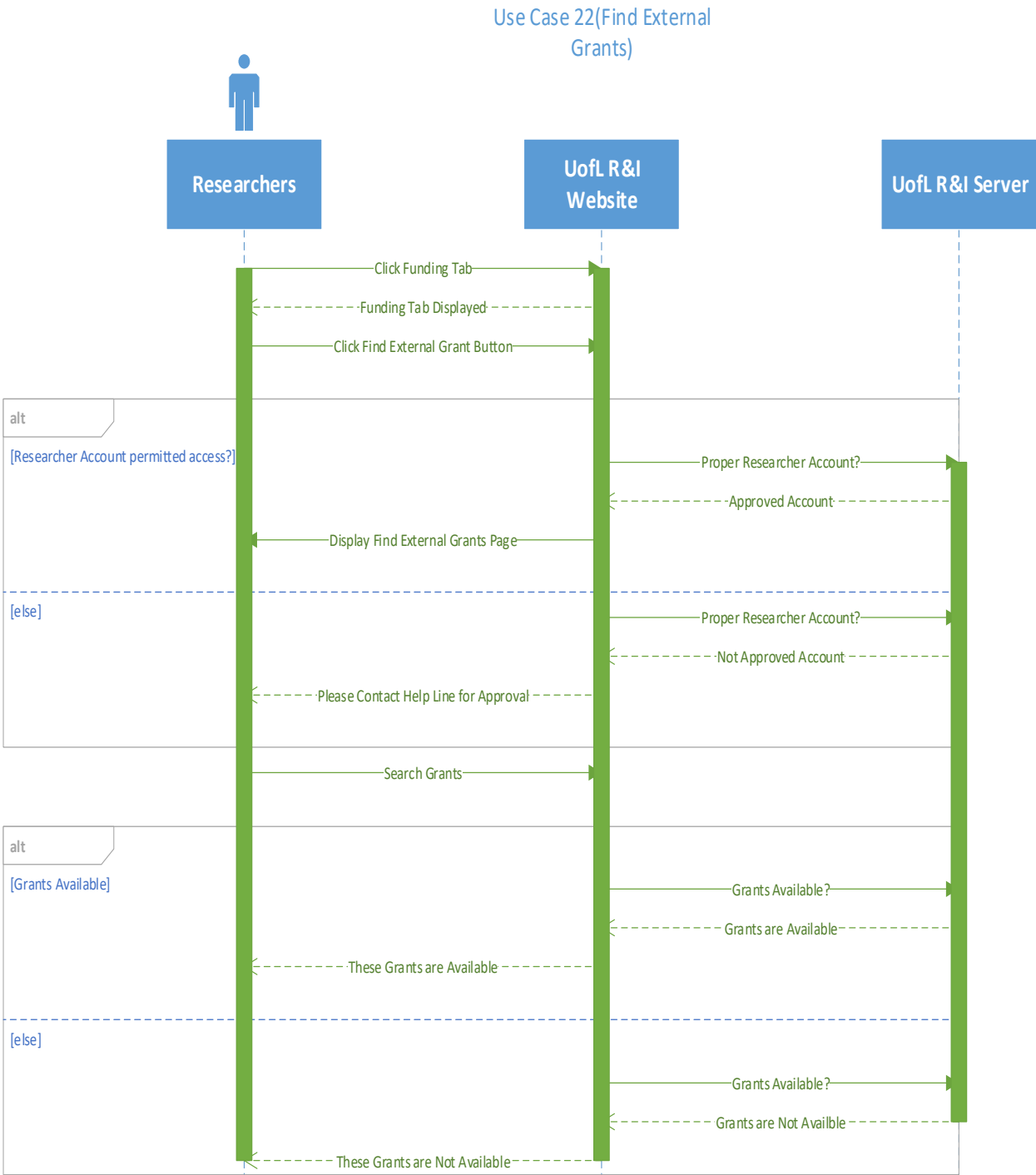
5.1 < Post-condition One >

6. Extension Points

None

6.1 <Name of Extension Point>

None



# Use Case Specification: < Unsubscribe from newsletter >

## 1. Publish Innovation Newsletter to Website

### 1.1 Brief Description

User can unsubscribe from the newsletter.

## 2. Flow of Events

### 2.1 Basic Flow

User enters username.

User enters password.

User login.

User clicks unsubscribes button.

User confirms they want to unsubscribe.

### 2.2 Alternative Flows

N/A

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 < Pre-condition One >

User must be subscribed to the newsletter

### 4.2 < Pre-condition Two >

User must have an internet connection

## 5. Post-conditions

### 5.1 < Post-condition One >

The user is unsubscribed from the newsletter

## 6. Extension Points

None

Use Case 23  
Unsubscribe from  
Newsletter

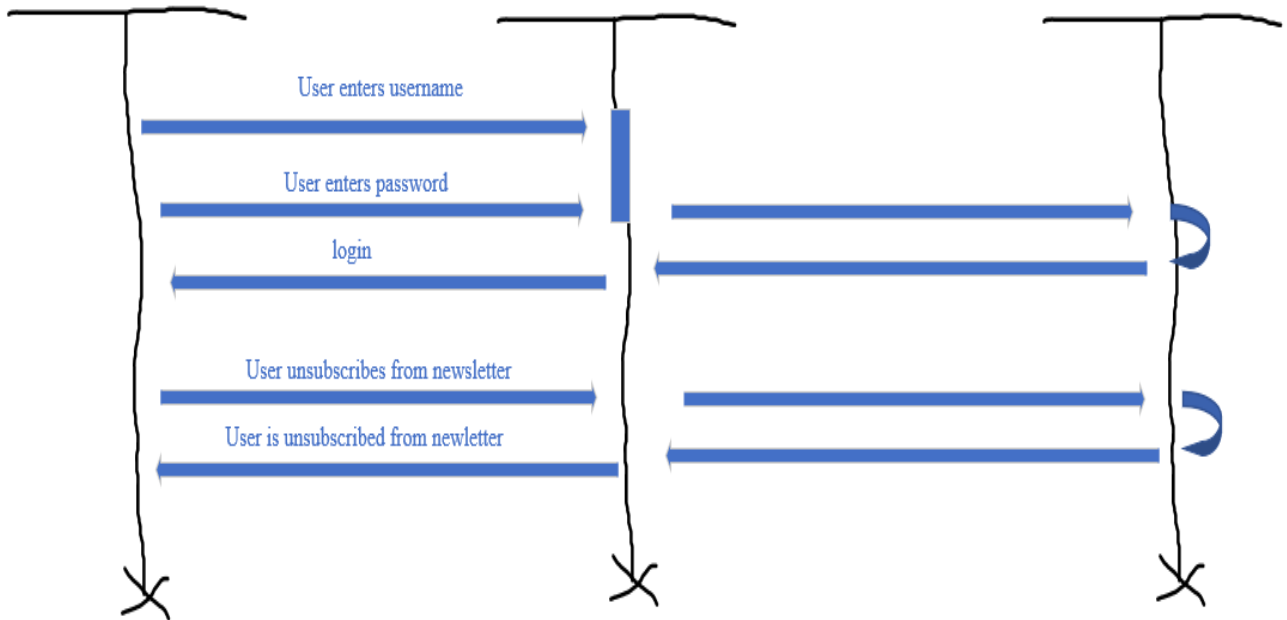
User



Class Name



Database



# Use Case Specification: < Find Clinical Trials >

## 1. Find Clinical Trials

### 1.1 Brief Description

Users will be able to find out about the clinical trials they can participate in.

## 2. Flow of Events

### 2.1 Basic Flow

Users will access the Clinical research tab on the R&I site.

Users will decide what clinical trial they would like to help with.

### 2.2 Alternative Flows

N/A

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 < Pre-condition One >

User must have an internet connection

## 5. Post-conditions

### 5.1 < Post-condition One >

The user can now apply for a trial.

## 6. Extension Points

None

Use Case 24  
Find Clinical  
Trials

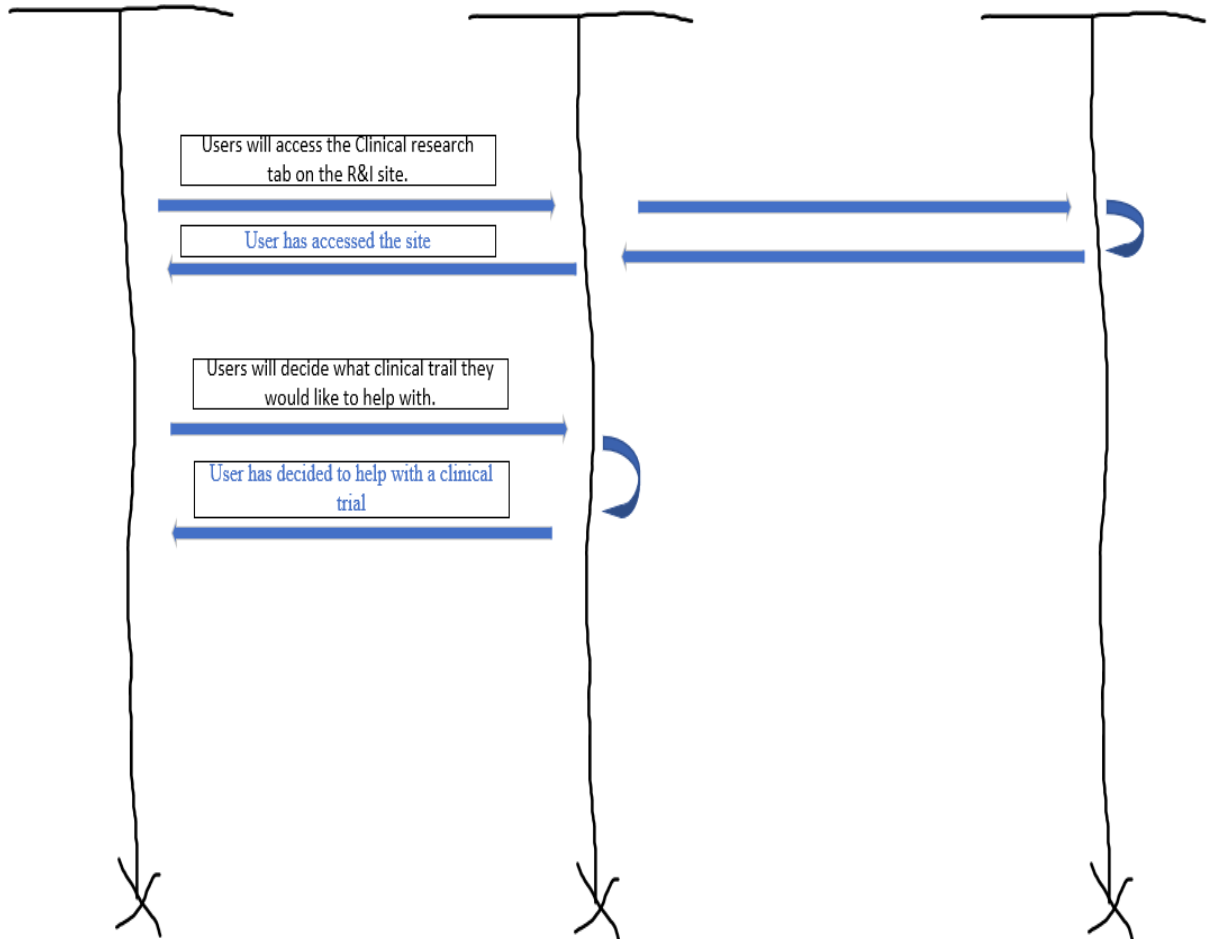
User



Class Name



Database





# Use Case Specification: < Update newsletter >

## 1. Update newsletter

### 1.1 Brief Description

An Admin will be able to edit the information that is part of the newsletter.

## 2. Flow of Events

### 2.1 Basic Flow

Admin enters username.

Admin enters password.

Admin login.

Admin opens the newsletter.

Admin changes the newsletter title

Admin changes the newsletter body.

Admin changes the newsletter header.

Admin saves the edits to the newsletter.

Admin publish the newsletter.

### 2.2 Alternative Flows

N/A

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 < Pre-condition One >

User must be an Admin.

### 4.2 < Pre-condition Two >

There must already be a newsletter.

### 4.3 < Pre-condition Three >

User must have an internet connection.

## 5. Post-conditions

### 5.1 < Post-condition One >

The newsletter is updated.

## 6. Extension Points

None

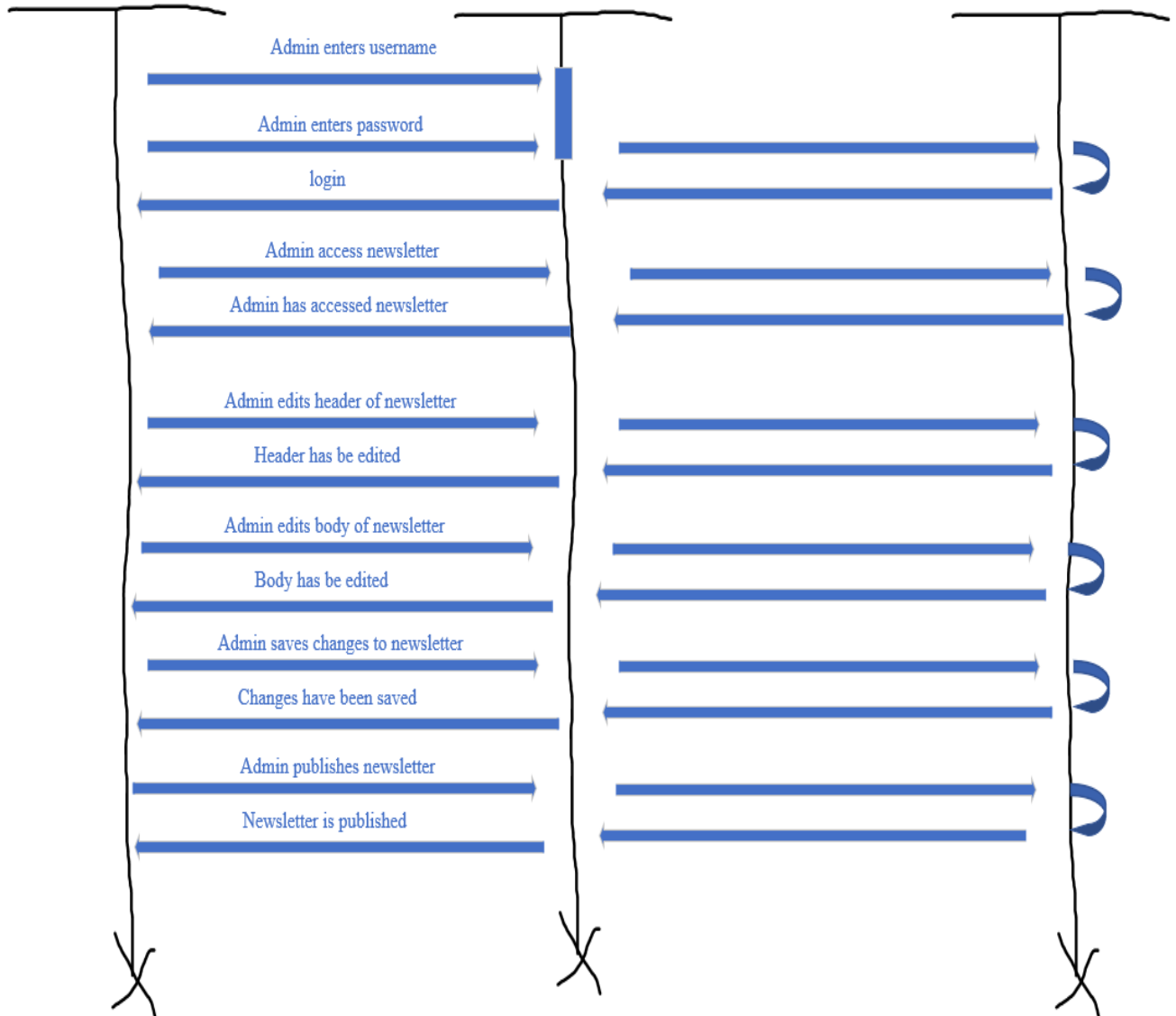
Use Case 25  
Update  
Newsletter



Class Name



Database



# Use Case Specification: <Create Surveys>

## 1. Create Surveys

### 1.1 Brief Description

Surveys are created in order for administration to gauge how the users feel about the functionality and usability, among other things, about the website.

## 2. Flow of Events

### 2.1 Basic Flow

- User (administration) accesses surveys menu from their account
- User clicks “Create Survey”
- User enters brief description
- User enters questions
- User enters response type and answers (multiple choice or fill in)
- User selects how they want the survey received (at random or targeted)
- User clicks “Publish Survey”

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 Admin Account Needed

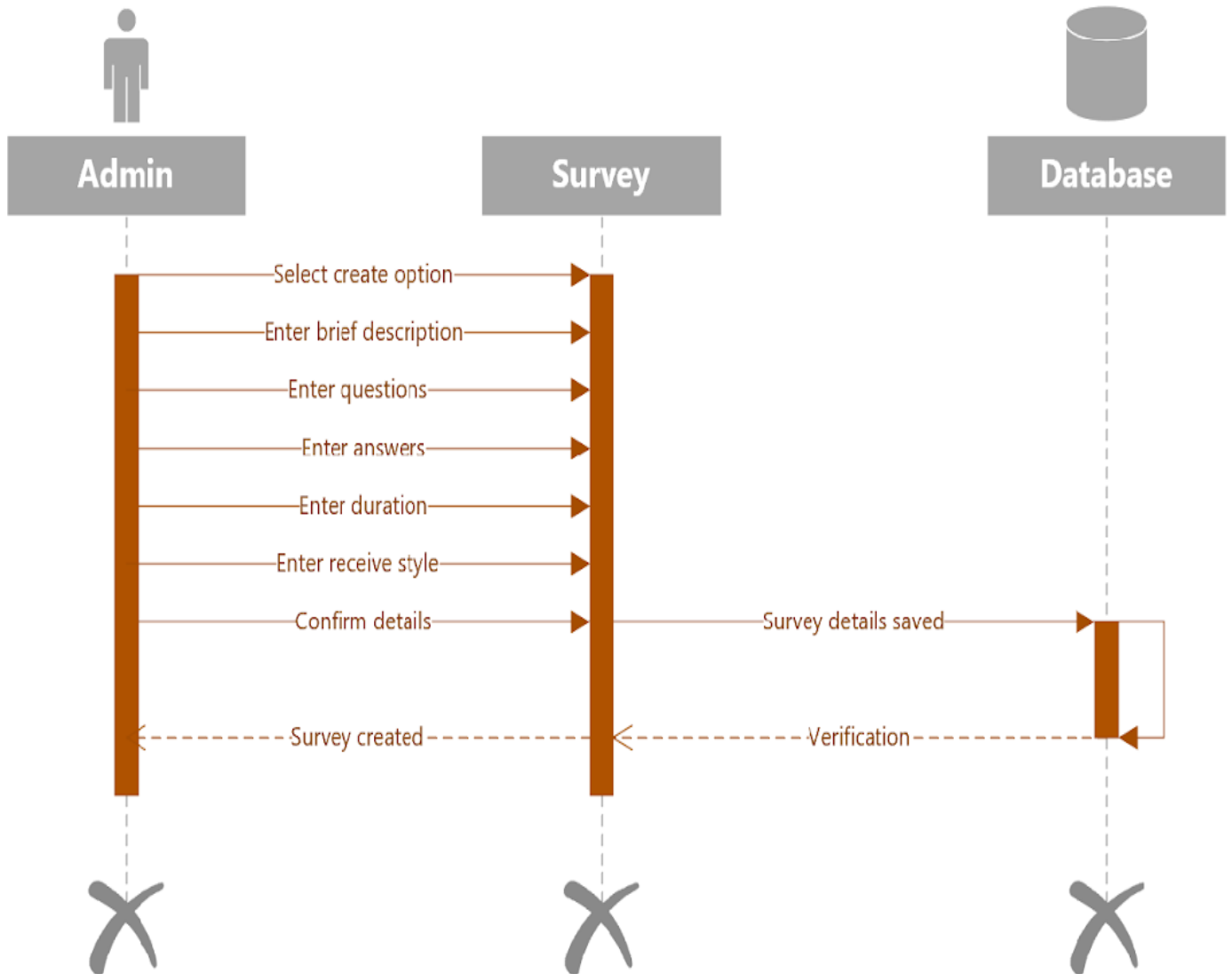
## 5. Post-conditions

### 5.1 Survey(s) Created

## 6. Extension Points

### 6.1 Create Admin Account

User must have admin account created and logged in.



# Use Case Specification: <Modify Surveys>

## 1. Modify Surveys

### 1.1 Brief Description

Existing surveys may need to be modified for clarity, corrections, etc. Admin can do this at any time.

## 2. Flow of Events

### 2.1 Basic Flow

- User (administration) accesses surveys menu from their account
- User clicks desired survey to modify
- User clicks “Modify” button
- User edits whichever fields necessary
- User clicks “Apply” button
- User repeats process for each survey modification

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 Admin account needed

### 4.2 Survey must exist

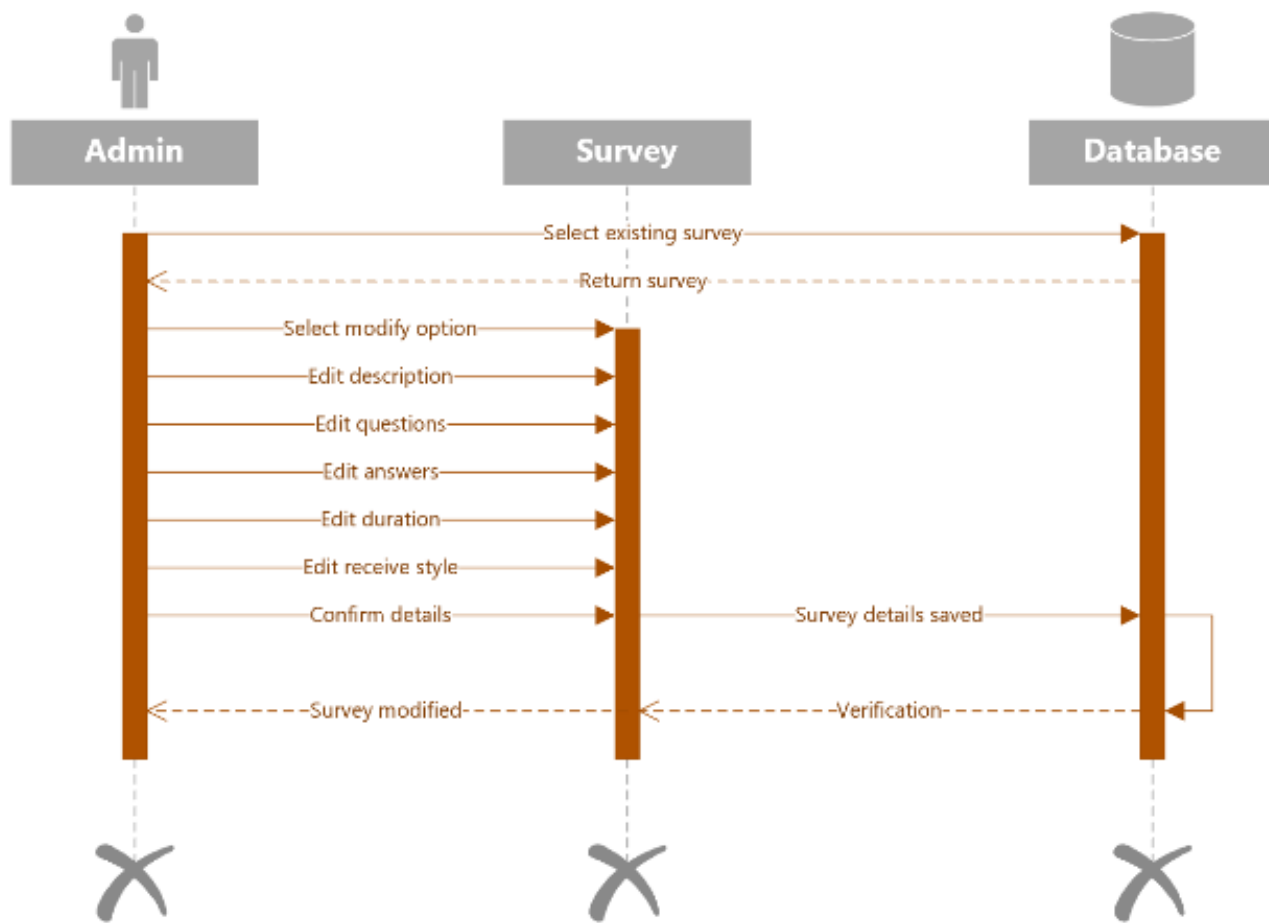
## 5. Post-conditions

### 5.1 Survey(s) modified

## 6. Extension Points

### 6.1 Create Admin Account

User must have admin account created and logged in.



# **Use Case Specification: <Create Admin Account>**

## **1. Create Admin Account**

### **1.1 Brief Description**

Administration members need a specific account with special permissions in order to carry out certain operations on the website such as surveys, analytics, or information editing.

## **2. Flow of Events**

### **2.1 Basic Flow**

- User clicks “Account” button
- User clicks “Create account”
- User enters existing UofL credentials
- User account is created based on UofL designation

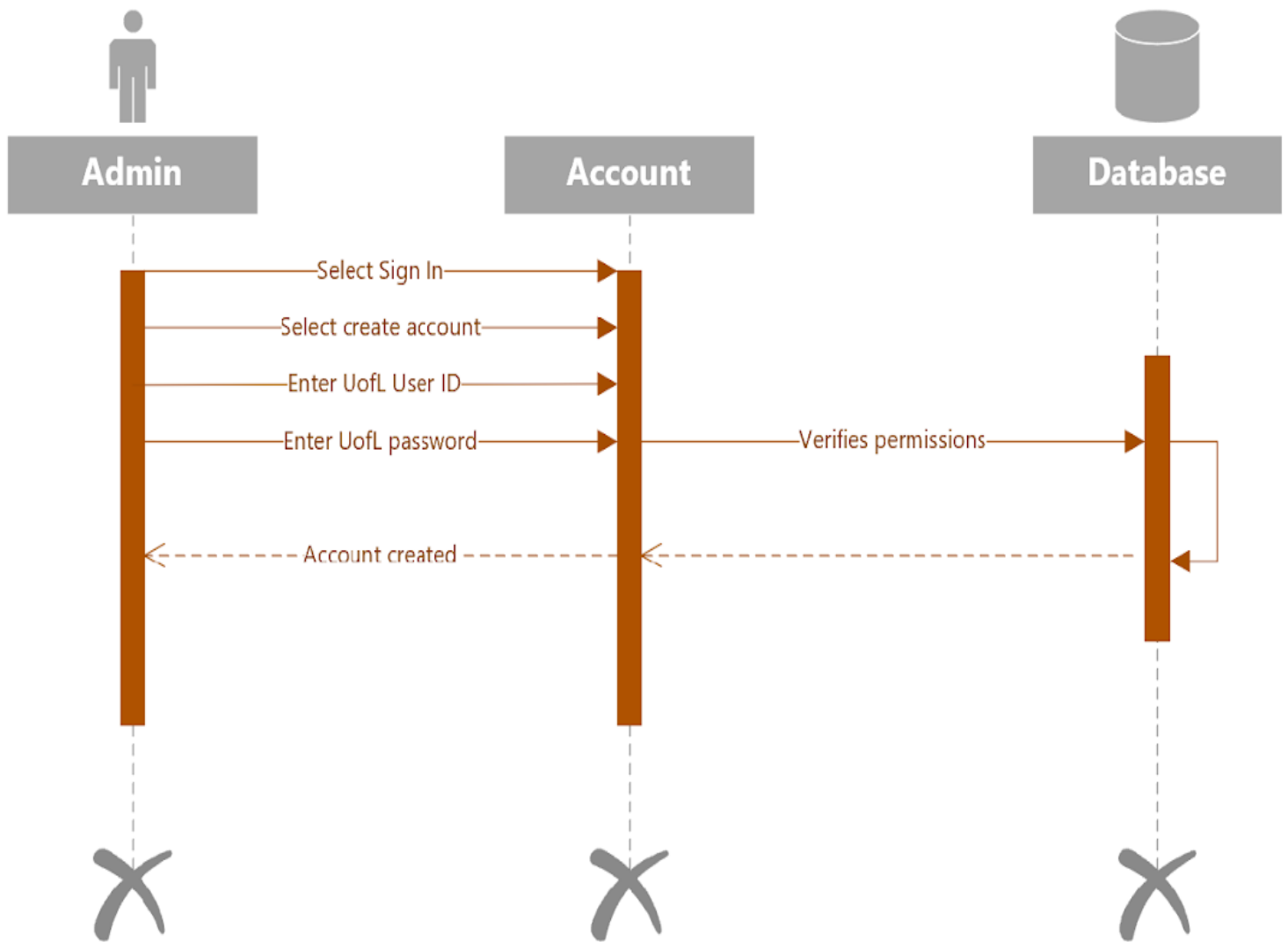
## **3. Special Requirements**

## **4. Pre-conditions**

- 4.1 User must have admin UofL designation

## **5. Post-conditions**

- 5.1 Admin account created





# Use Case Specification: <Remove Survey(s)>

## 1. Remove Survey(s)

### 1.1 Brief Description

- After surveys have end/expire, they must be removed to make space for new ones. They must also stop showing up “at random”

## 2. Flow of Events

### 2.1 Basic Flow

- User (administration) accesses surveys menu from their account
- User selects the survey to delete
- User clicks “Delete” button
- User prompted to confirm
- User clicks “Confirm”
- Survey deleted

### 2.2 Alternative Flows

#### 2.2.1 *Timed Deletion*

- User accesses surveys menu from their account
- User selects the survey to delete
- User clicks “Timed Delete”
- User enters amount of time (in days) before survey deletes
- User prompted to confirm
- User clicks “Confirm”
- Survey deletes after allotted time

## 3. Special Requirements

## 4. Pre-conditions

### 4.1 Admin account needed

### 4.2 Survey must exist

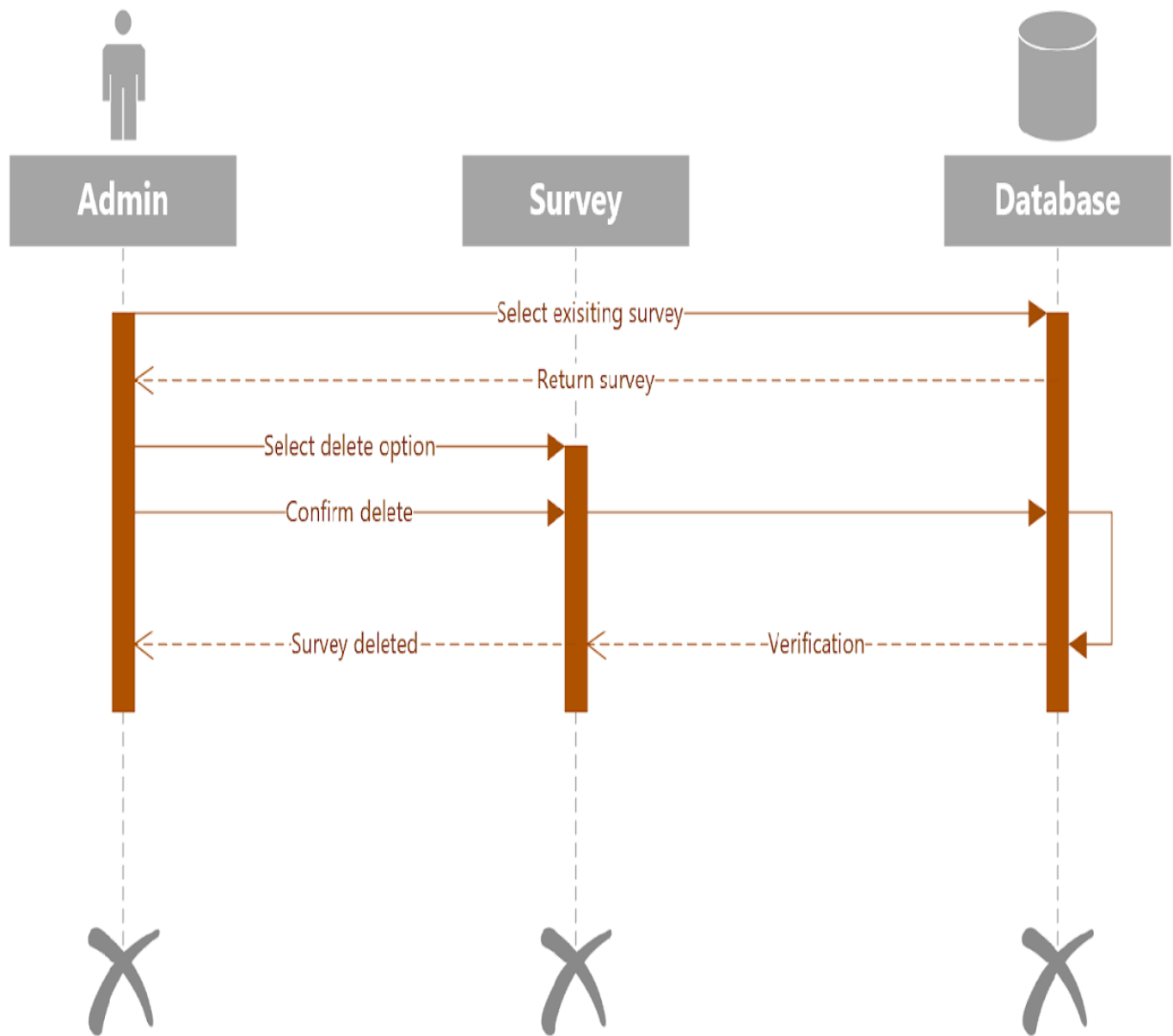
## 5. Post-conditions

### 5.1 Survey(s) Deleted

## 6. Extension Points

### 6.1 Create Admin Account

- User must have admin account created and logged in.



# Use Case Specification: <Create Researcher Account>

## 1. Create Researcher Account

### 1.1 Brief Description

Users involved with this case would be researchers and students. These users will be able to create a researcher account to use on the University's Research and Innovation department's website. This is important because established researchers and students looking to get involved with research would need to create an account so they can save information about funding opportunities and upcoming events. This is considered high risk.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks "Account" button
- User clicks "Create Researcher Account"
- User will enter desired email to be used.
- User will enter first name.
- User will enter last name.
- User will enter desired password
- User will confirm the password
- User clicks "Submit"
- User submits information

### 2.2 Alternative Flows

#### 2.2.1 *If User Already Has Account*

- User will receive prompt stating they have an account
- User will enter account email
- User will enter password
- User will submit log in

## 3. Pre-conditions

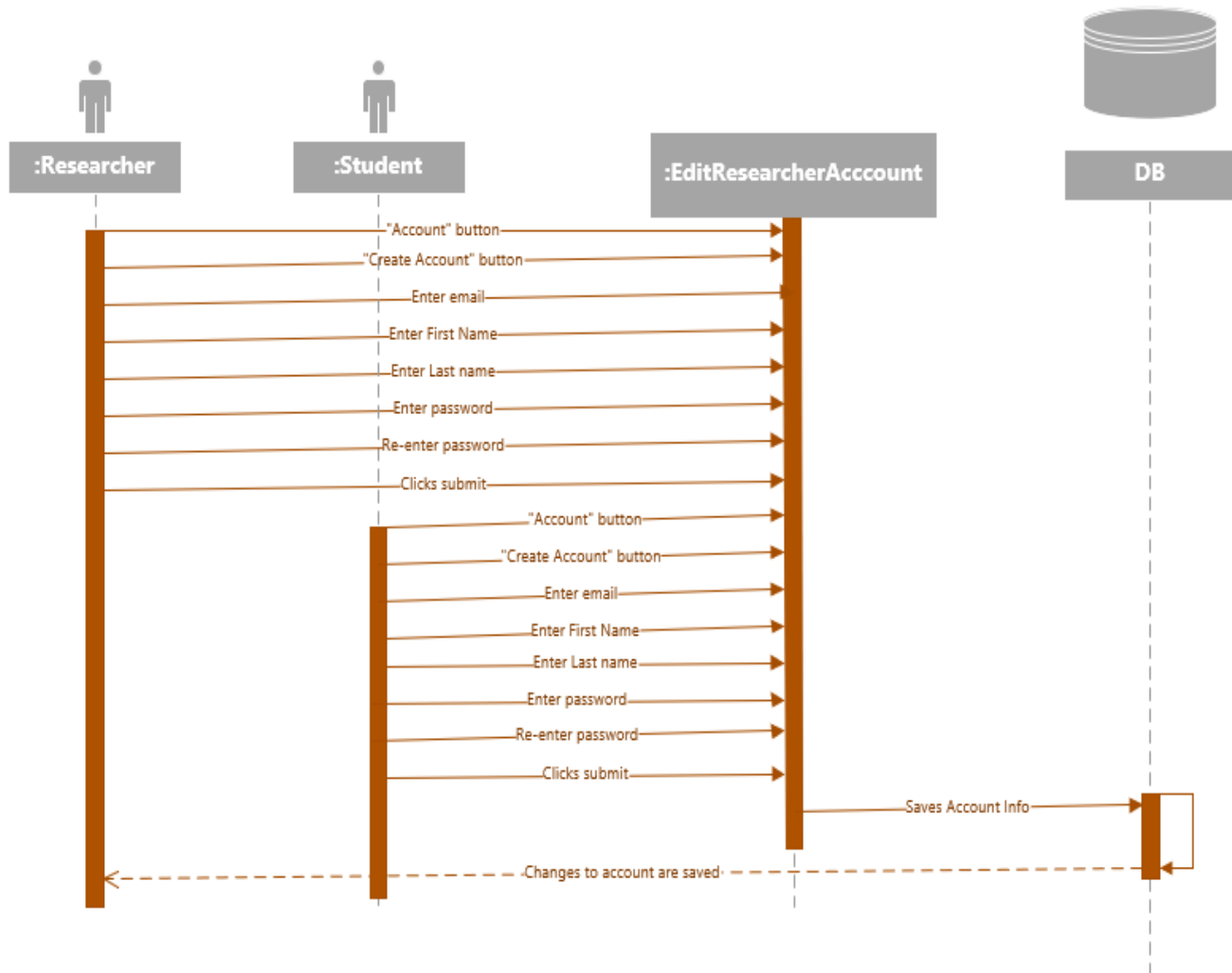
### 3.1 Access

User must have access to computer and internet

# 4. Post-conditions

## 4.1 Success

Account is successfully created



# Use Case Specification: <Edit Researcher Account>

## 1. Edit Researcher Account

### 1.1 Brief Description

The users involved with this case would be researchers and students. These users will be able to edit the information that is connected to their researcher profile on the website. This is important because researchers and students may feel the need to change the information to something that is more fitting for them and would need a way to edit this information. This would be considered high risk.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks on “Account” button.
- User clicks on “Edit Account”.
- User updates email connected to account.
- User updates first name.
- User updates last name.

## 3. User saves the changes made Special Requirements

### 3.1 Account

User must have an account prior.

## 4. Pre-conditions

### 4.1 Access

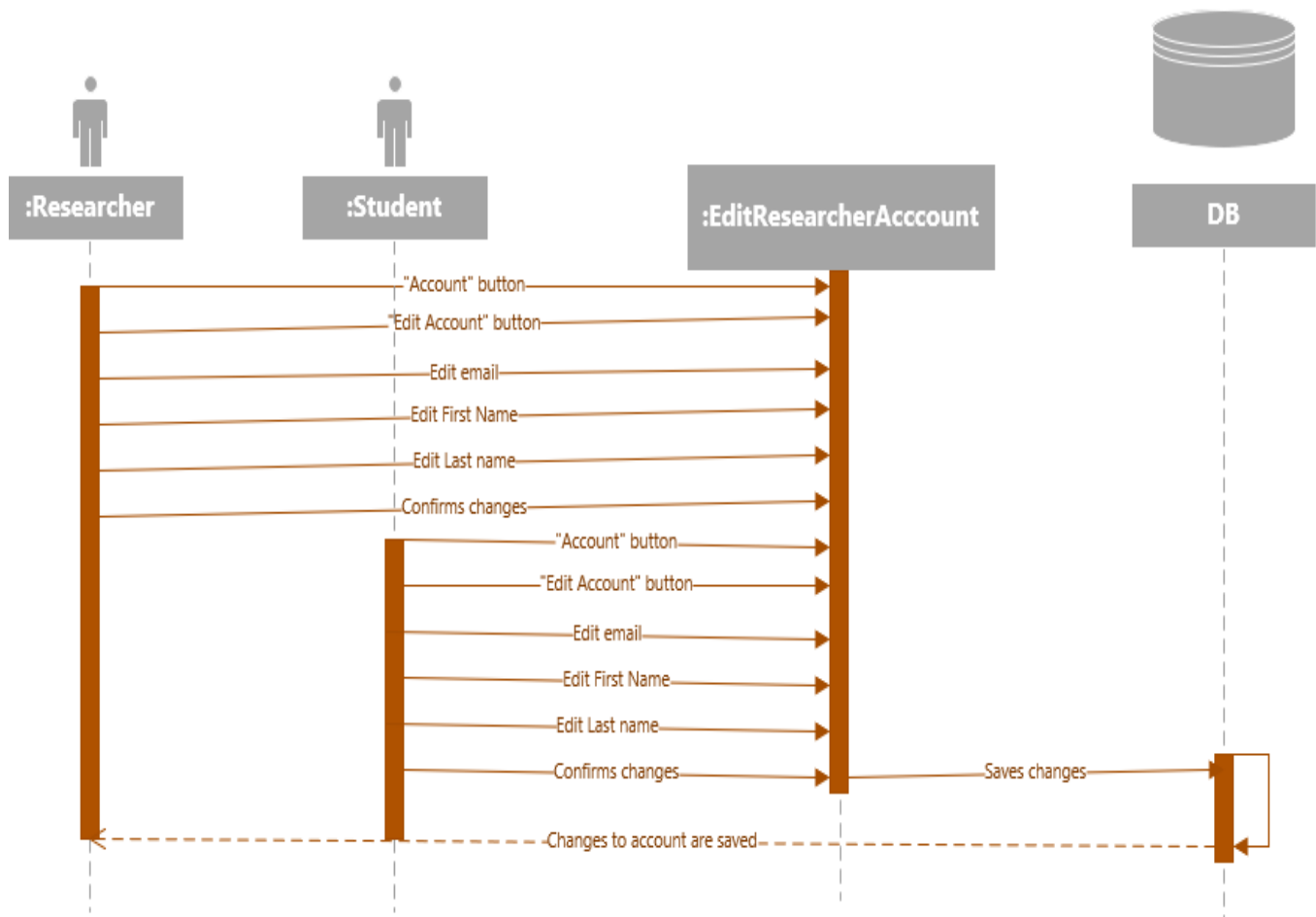
User must be at website.

User must have access to a computer and internet connection.

## 5. Post-conditions

### 5.1 Success

User successfully changes information.



# Use Case Specification: <Delete Researcher Account>

## 1. Delete Researcher Account

### 1.1 Brief Description

Users involved with this use case would be students and researchers. These users will be able to delete their researcher profile if they wanted to do so. This would be important because if the user feels the need to delete their account for whatever reason, it is necessary for them to have a way to do so. This would be considered high risk.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks on “Account” button.
- User clicks on “Delete Account”.
- User is prompted to confirm their action.
- User confirms they want to delete.

## 3. Special Requirements

### 3.1 Account

- User must have a researcher account prior.

## 4. Pre-conditions

### 4.1 Access

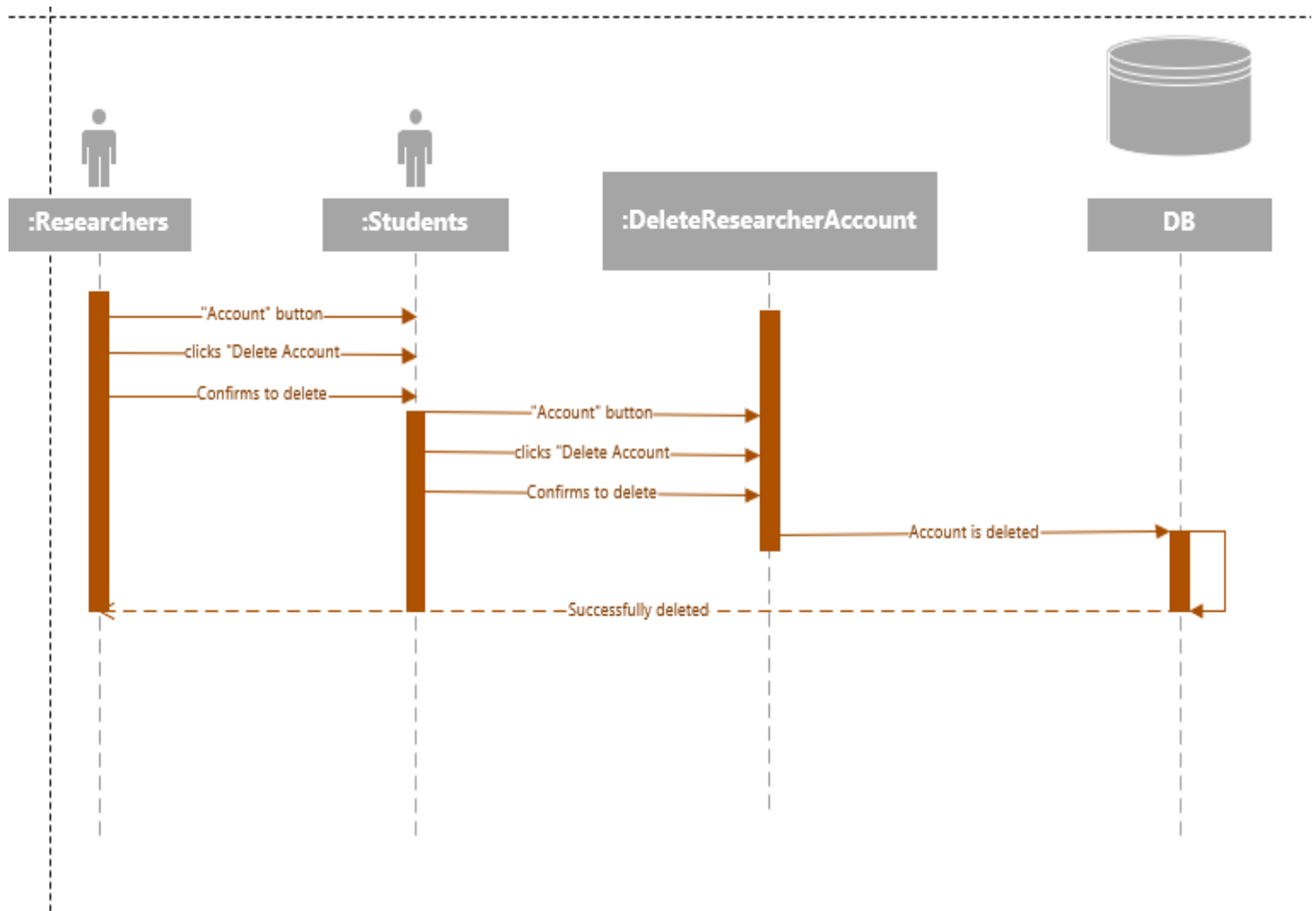
User must be at website.

User must have access to a computer and internet connection.

## 5. Post-conditions

### 5.1 Success

User account is successfully deleted.





# Use Case Specification: <Password Recovery>

## 1. Password Recovery

### 1.1 Brief Description

This use case describes the recovery of one's password for their Iris account. The user will prompt the system to help them recover the password. This use case will lead the user to the Change Password use case.

## 2. Flow of Events

### 2.1 Basic Flow

- User loads login page
- User presses Forgot Password button
- User enters their cardmail
- System emails a link to the cardmail
- The user clicks the sent link

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

- System rejects the cardmail
- User emails admin
- Admin looks up user's information in their system
- Admin emails the user to send a link to change their password

#### 2.2.2 < Second Alternative Flow >

- None

## 3. Special Requirements

### 3.1 None

## 4. Pre-conditions

### 4.1 The system must have the password.

### 4.2 There must be a button to press to press to recover the password.

## 5. Post-conditions

### 5.1 None

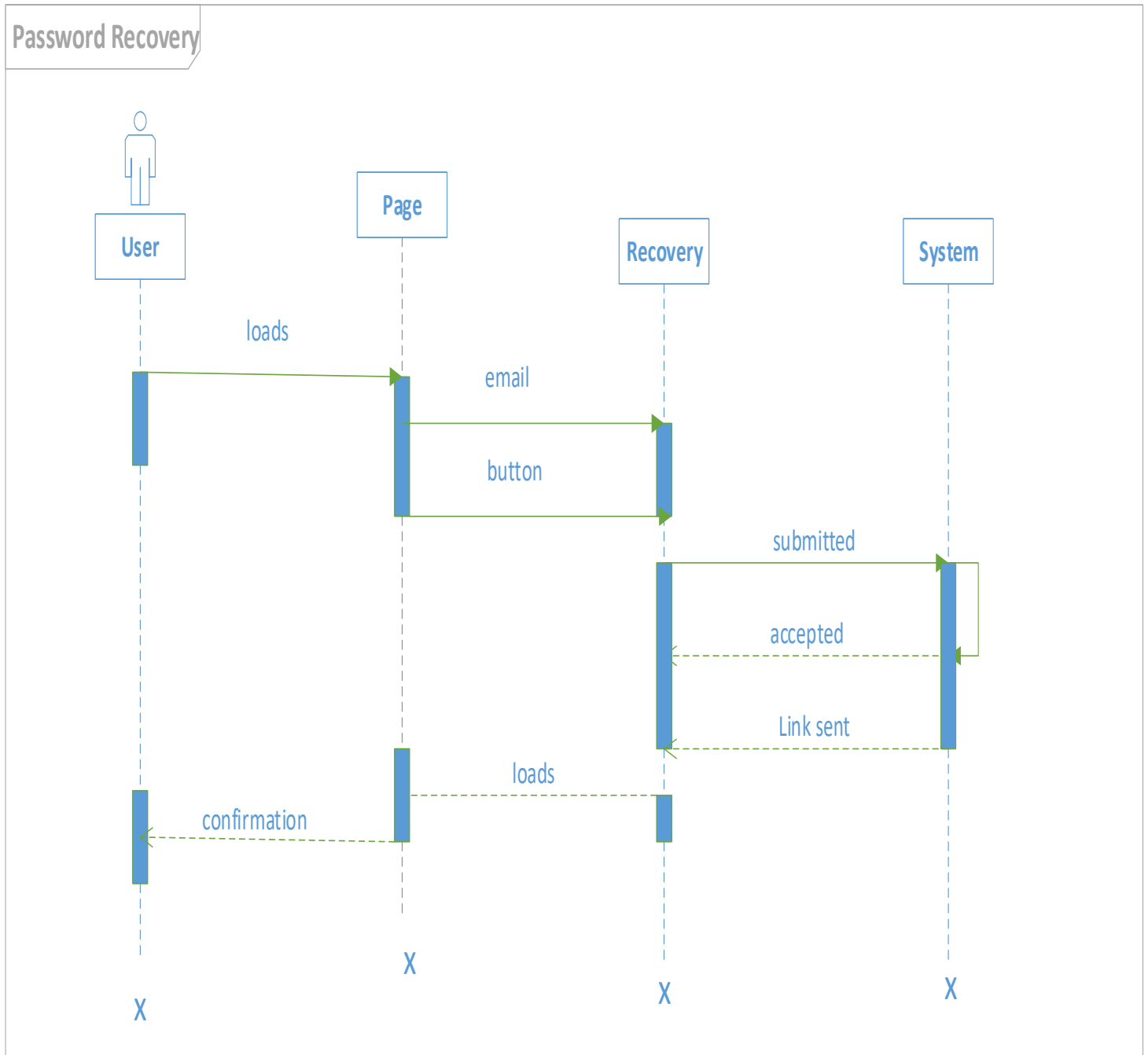
## 6. Extension Points

### 6.1 <Create a Username>

This use case must be performed before the primary flow of the Password Recovery use case can be performed.

## 6.2 <Create a Password>

This use case must be performed before the primary flow of the Username Recovery use case can be performed.



# Use Case Specification: <Username Recovery>

## 1. Username Recovery

### 1.1 Brief Description

This use case describes the recovery of one's username for their Iris account. The user will prompt the system to help them recover the username. The username will only be recovered and won't be changed.

## 2. Flow of Events

### 2.1 Basic Flow

- User loads login page
- User presses Forgot Username button
- User enters their cardmail
- System emails the username to the entered cardmail

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

- System rejects the cardmail
- User emails admin
- Admin looks up user's information in their system
- Admin emails the user their username

##### 2.2.1.1 < An Alternative Subflow >

- None

#### 2.2.2 < Second Alternative Flow >

- None

## **3. Special Requirements**

- 3.1 The username must conform with the standards set by UofL's username creation.

## **4. Pre-conditions**

- 4.1 The username must be in the system.
- 4.2 There must be a button to let the user contact the system to recover their username.

## **5. Post-conditions**

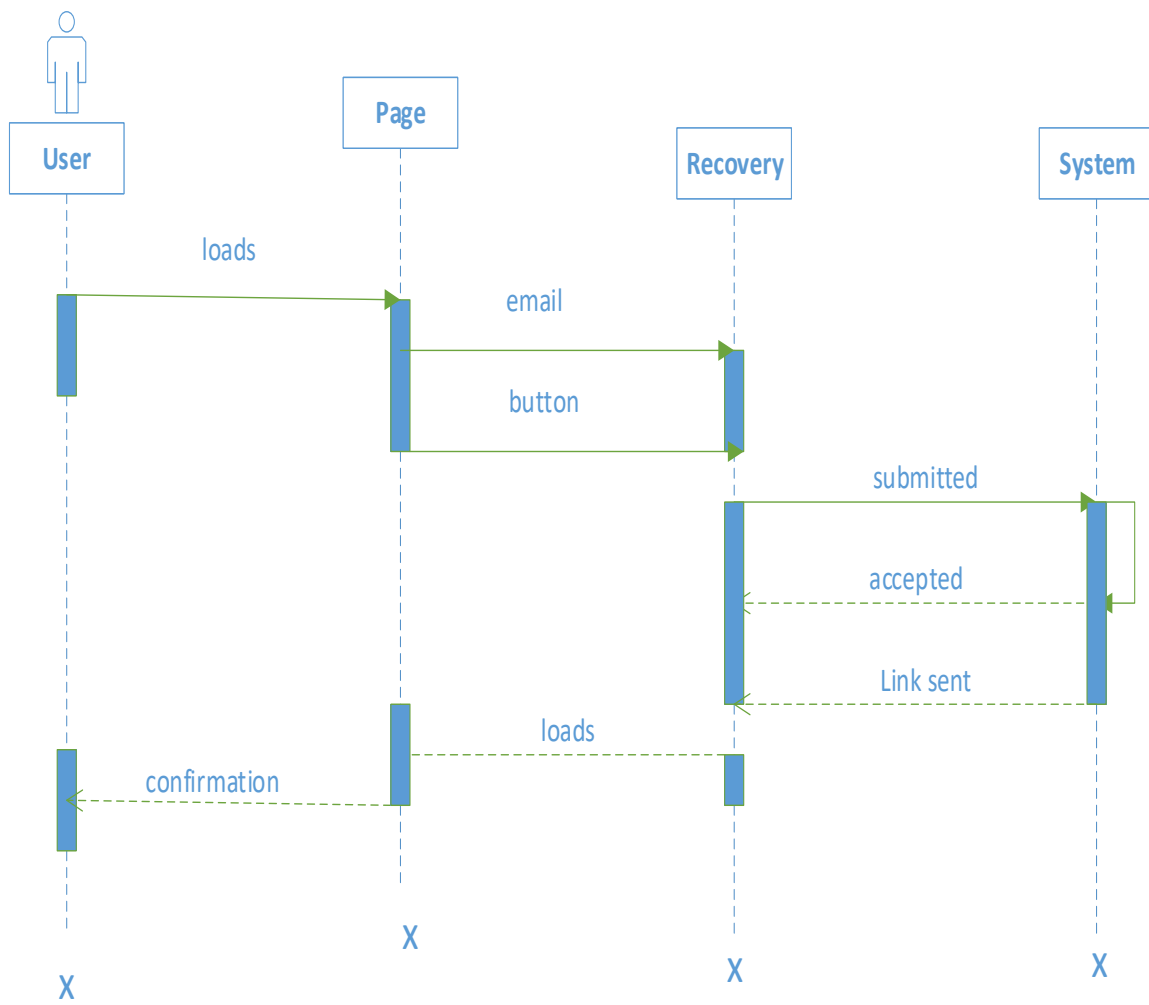
- 5.1 The username will remain the same.
- 5.2 The admin will fix any problems the user had when trying to recover their username.

## **6. Extension Points**

- 6.1 **<Create Username>**

This use case must be performed before the primary flow of the Username Recovery use case can be performed.

## Username Recovery



# Use Case Specification: <Change Password>

## 1. Change Password

### 1.1 Brief Description

This use case describes how a user changes their password. The user will click on the same link they received from the Recover Password Use Case and change enter in their new password.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks link sent by system in their cardmail
- User enters their desired password in change password text box
- User enters same new password in textbox below
- User clicks change password button

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

- User logs in to account
- User clicks on account settings
- User clicks change password link
- User enters their desired password in change password text box
- User clicks change password button

#### 2.2.1.1 < An Alternative Subflow >

- None

#### 2.2.2 < Second Alternative Flow >

- None

## **3. Special Requirements**

- 3.1 The changed password must meet the character specifications laid out by the University of Louisville.

## **4. Pre-conditions**

- 4.1 The user must have an account in the system.

## **5. Post-conditions**

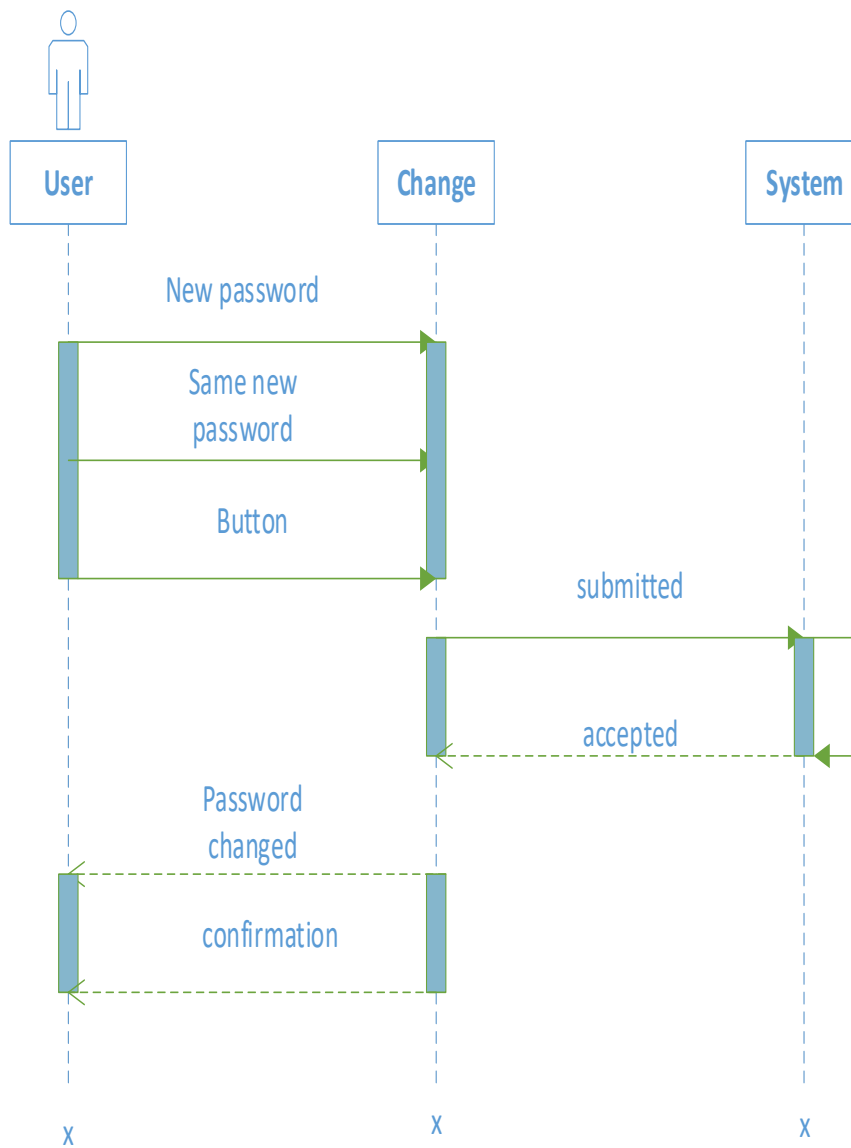
- 5.1 The changed password will work with the system.

## **6. Extension Points**

- 6.1 **<Recover Password>**

This use case must be performed before the primary flow of the Change Recovery use case can be performed.

## Change Password





# Use Case Specification: <Access ThinkIR>

## 1. Access ThinkIR

### 1.1 Brief Description

This use case is to help researchers' access ThinkIR from the Research and Innovation website.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks ThinkIR link
- User enters ThinkIR username
- User enters ThinkIR password
- User clicks Login Button
- User goes to ThinkIR page

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

- User searches for ThinkIR
- User clicks link to ThinkIR

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

None

## 3. Special Requirements

### 3.1 None

## 4. Pre-conditions

### 4.1 None

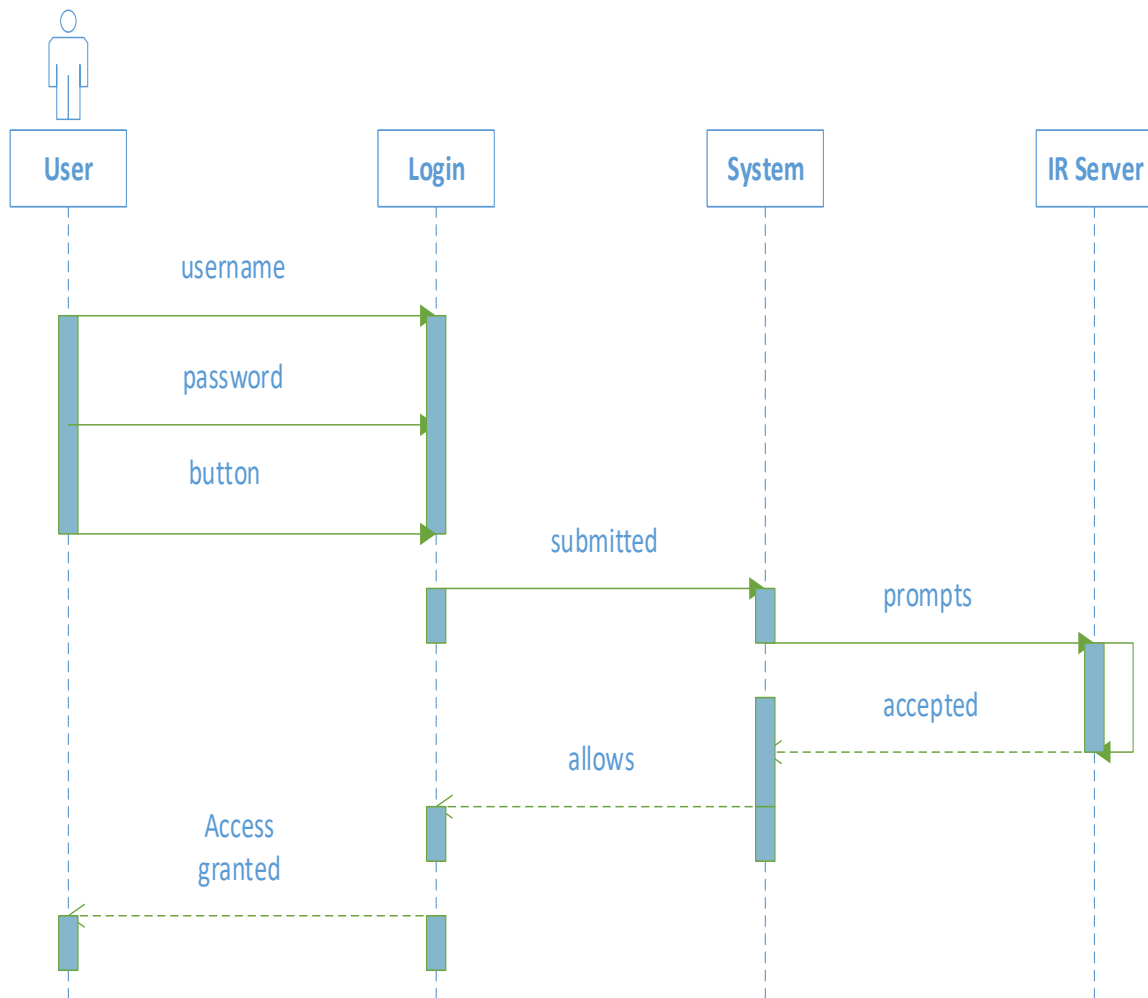
## 5. Post-conditions

### 5.1 The user will leave the system and be in ThinkIR's system.

## 6. Extension Points

### 6.1 None

## Access ThinkIR



# Use Case Specification: <Upload Work onto ThinkIR>

## 1. Upload Work onto ThinkIR

### 1.1 Brief Description

This use case is to allow researchers to publish their research work from the Research and Innovation Website into ThinkIR.

## 2. Flow of Events

### 2.1 Basic Flow

- User logs into iRIS
- User loads their research notes
- User upload work button
- User selects work they wish to upload
- User clicks upload button

### 2.2 Alternative Flows

#### 2.2.1 < First Alternative Flow >

- User searches for ThinkIR in the search engine
- User clicks link to ThinkIR

#### 2.2.1.1 < An Alternative Subflow >

None

#### 2.2.2 < Second Alternative Flow >

None

## 3. Special Requirements

### 3.1 None

## 4. Pre-conditions

### 4.1 None

## 5. Post-conditions

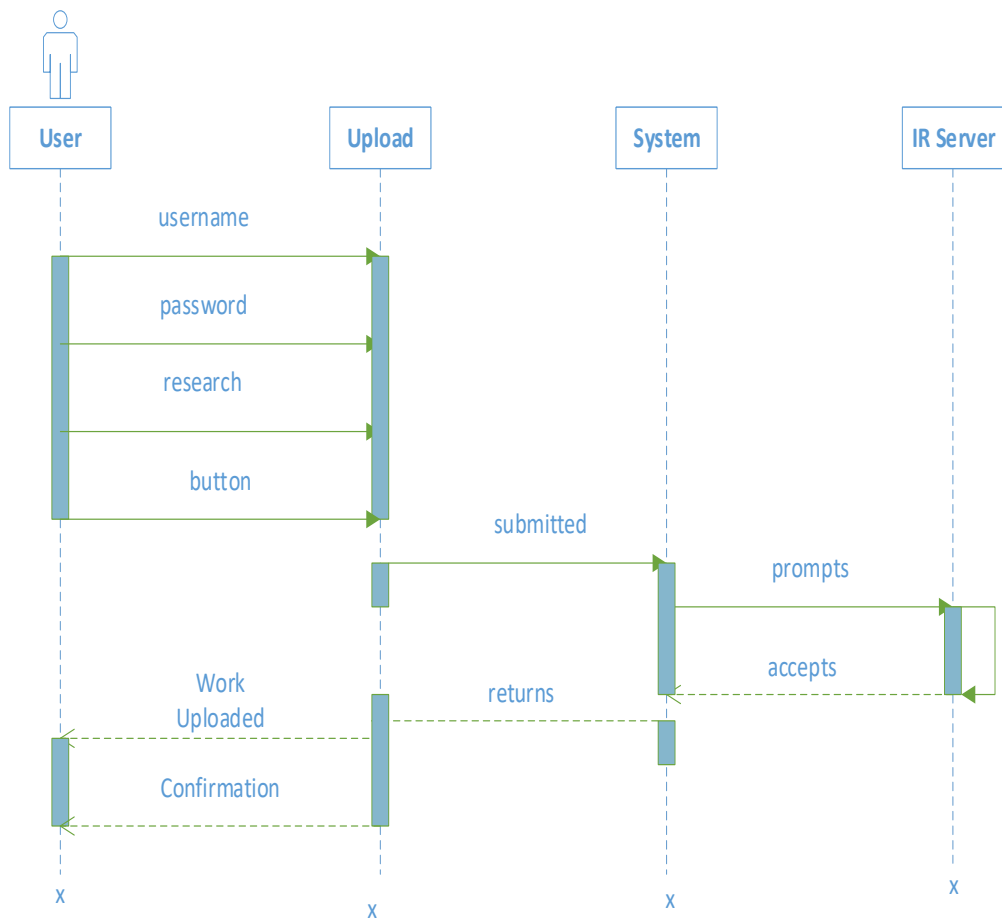
### 5.1 The user will still be in our system after their work is uploaded.

## 6. Extension Points

### 6.1 <Log in with iRIS>

This use case must be performed before the primary flow of the Upload Work to ThinkIR use case can be performed.

## Upload Work to ThinkIR



# Use Case Specification: <Delete Administrator Account>

## 1. Delete Administrator Account

### 1.1 Brief Description

Users involved with this case would be the administrators. These users will be capable of deleting their administrator account if they wanted to do so. This is important because if an administrator feels the need to delete their account for whatever reason, it would be necessary for them to have a way to do so. This would be considered high risk.

## 2. Flow of Events

### 2.1 Basic Flow

- User clicks on “Account” button.
- User clicks “Delete Account”.
- User is prompted to confirm their action
- User confirms they want to delete.
- User account is deleted.

## 3. Special Requirements

### 3.1 Account

User must have an administrator account prior.

## 4. Pre-conditions

### 4.1 Access

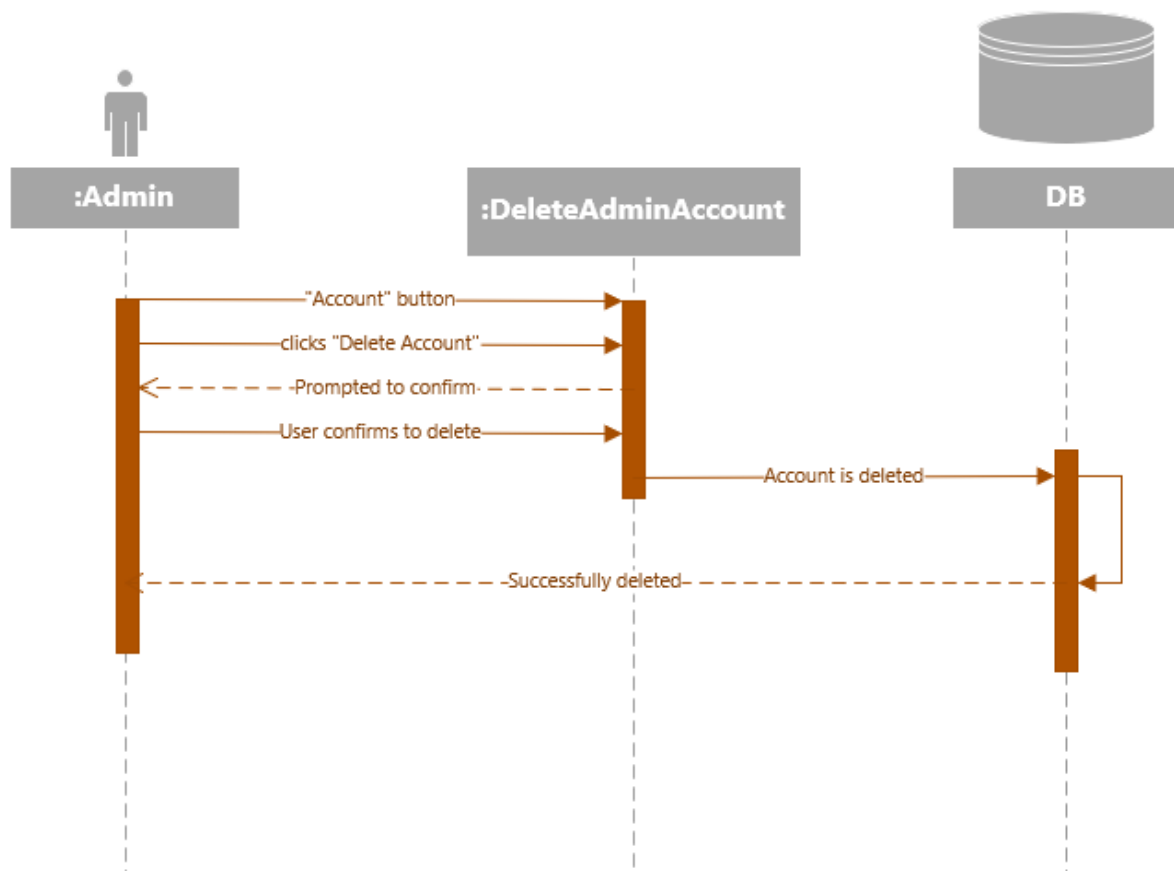
User must be at website.

User must have access to a computer and internet connection.

## 5. Post-conditions

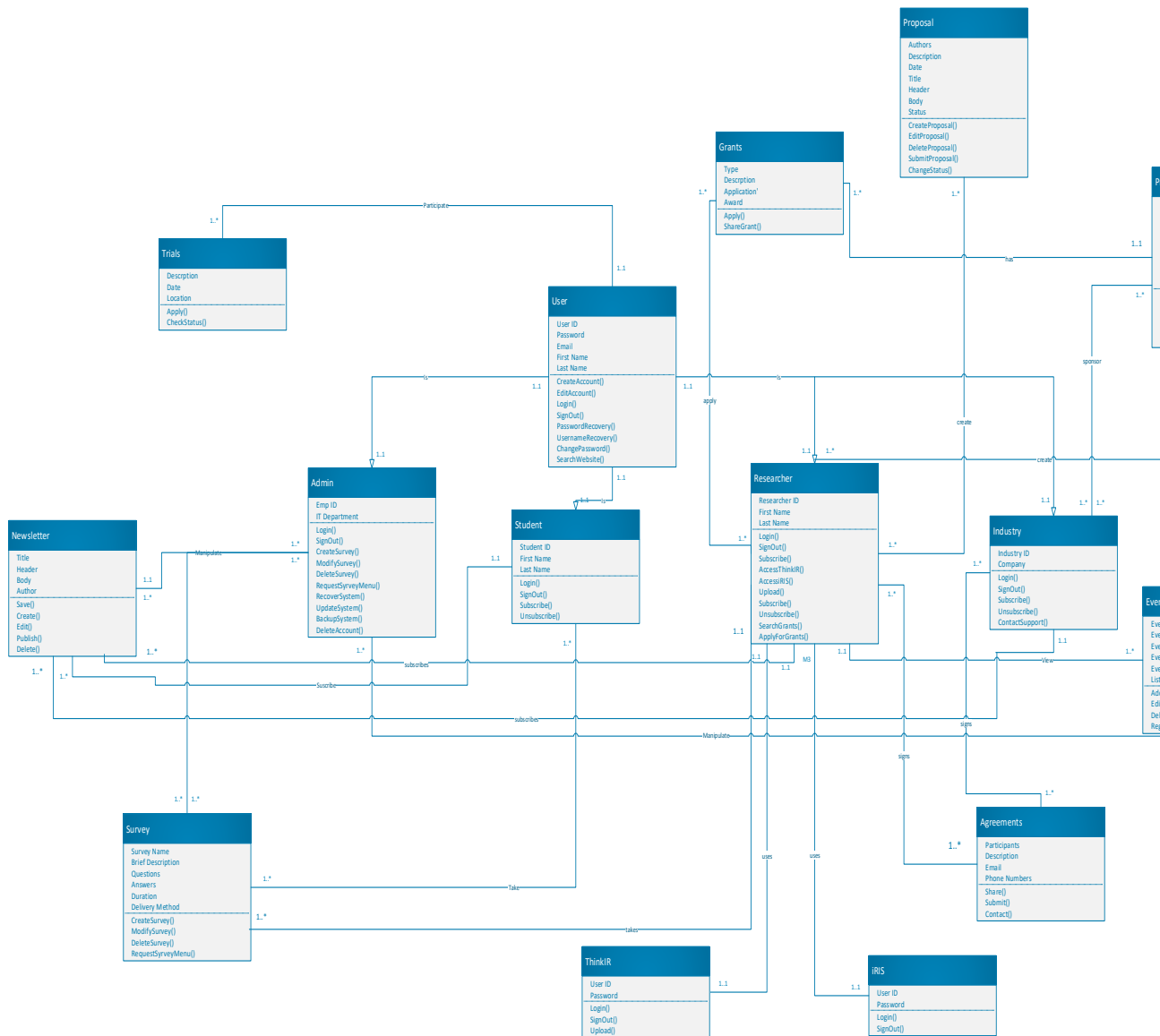
### 5.1 Success

User successfully deletes their administrator account.



## **Class Diagram**

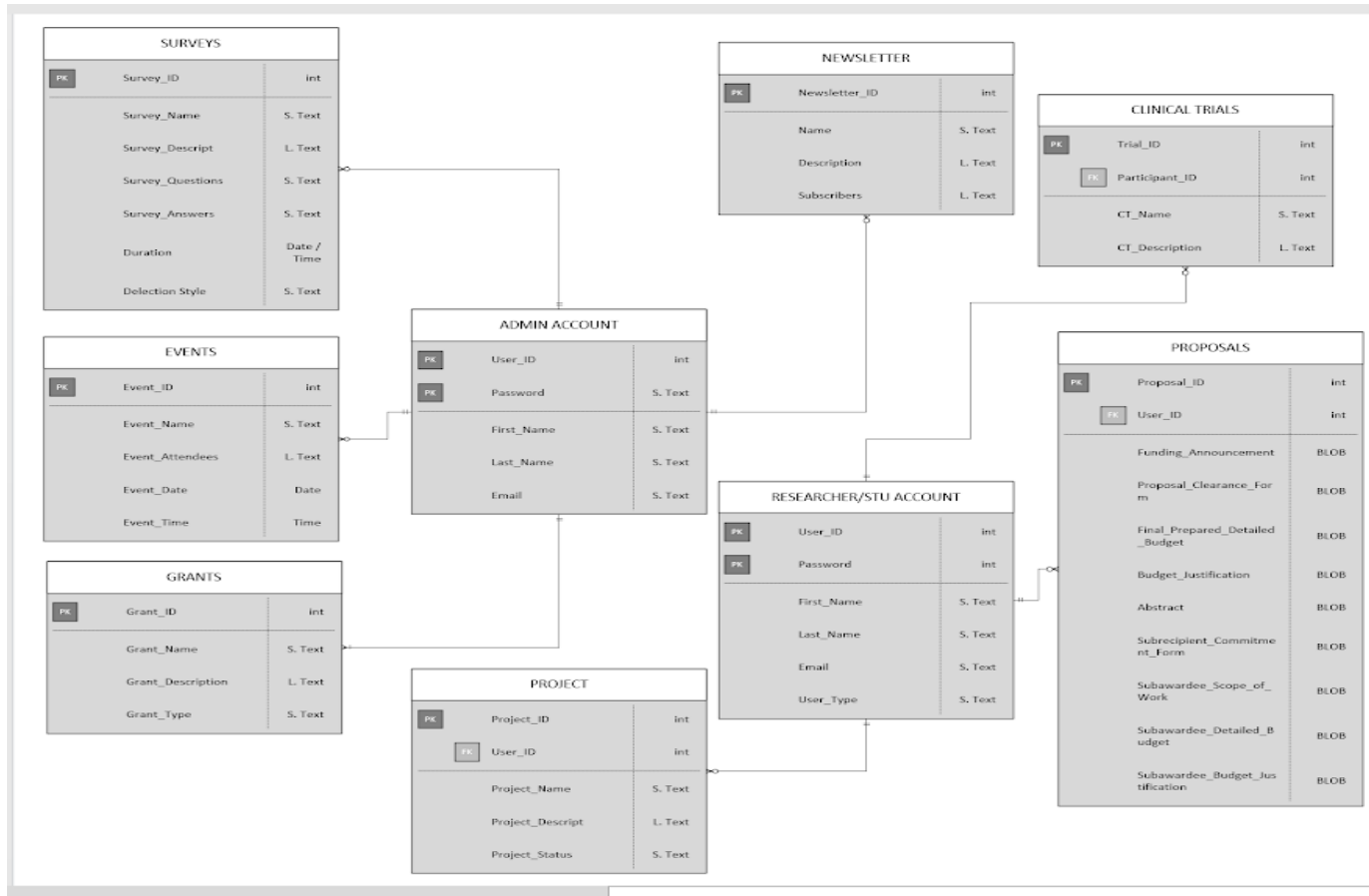
This class diagram shows all the methods and attributes that are contained within our entire system. To create this class diagram, we used verb-noun analysis. We determined the nouns contained in our use cases should be the classes and the verbs should be the methods within those classes. The class diagram below shows how all these different classes interact with one another.





# Database Diagram

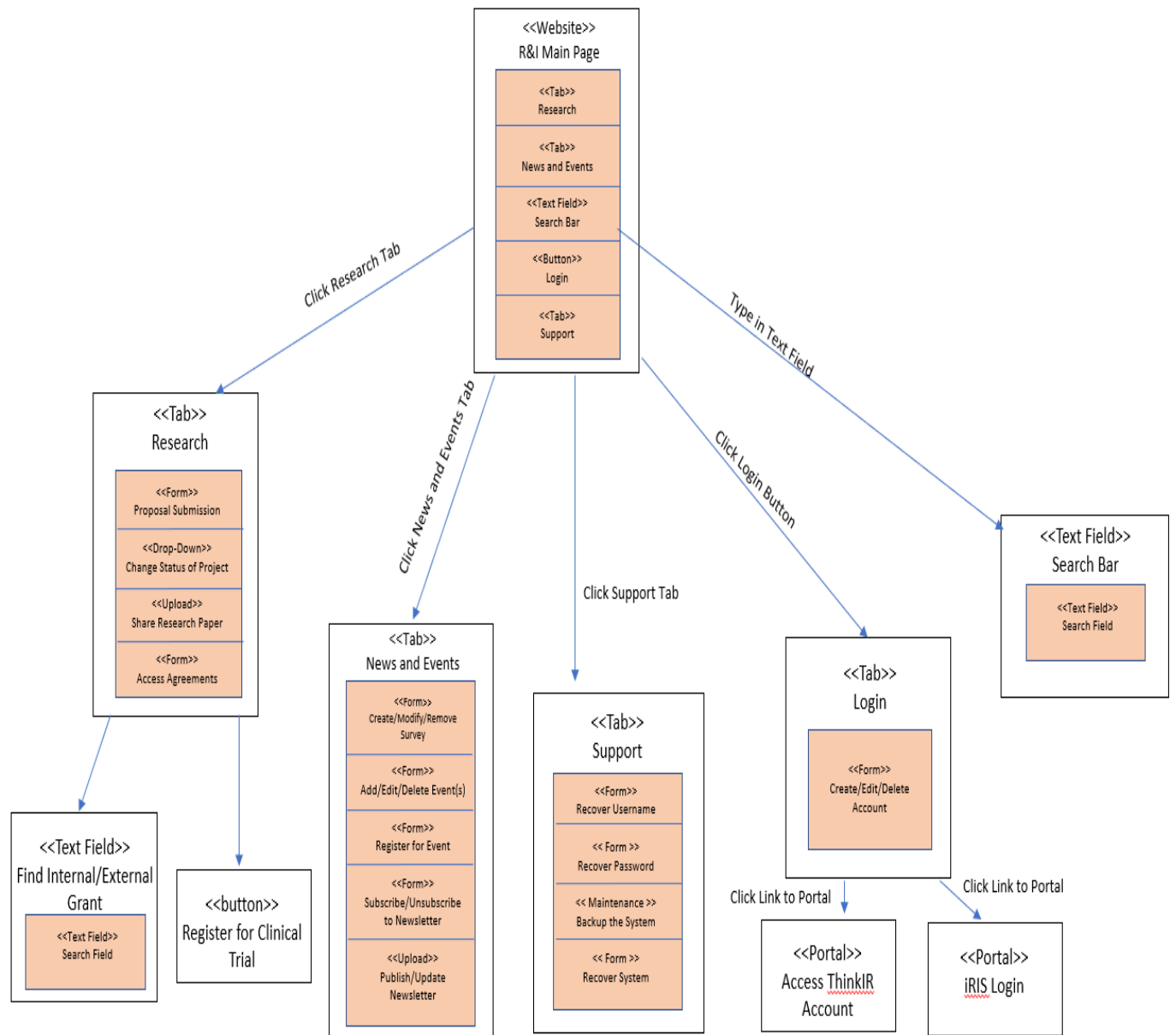
The Entity Relationship Diagram shows the different relationships between the users and entities in the same sense that the class diagram shows the interaction each user has with each individual class.





# Windows Navigation Diagram

The following diagram provides the basic steps for executing a use case on the website. The diagram assumes the user starts at the main home page of the Research and Innovation website. The diagram is followed by an illustration of how the data for each individual form is captured.



## Screen Layouts

Shown below are the some of the input screens and output screens of the Windows Navigation Diagram above. Each of these comes from our prototypes we have created which fulfill the need of all the use cases we have come up with above. This section is not to be confused with the Prototype section even though the screens we display below come from them. We will display all the prototypes for the Use Cases in the last section of the Elaboration Specification.

### Research Tab

The following form allows the researcher to input the necessary information required for submitting a research proposal.

#### Proposal Submission

Please attach all necessary documents below.

FUNDING ANNOUNCEMENT	<input type="text"/>
<a href="#">Browse</a>	
PROPOSAL CLEARANCE FORM	<input type="text"/>
<a href="#">Browse</a>	
FINAL PREPARED DETAILED BUDGET	<input type="text"/>
BUDGET JUSTIFICATION	<input type="text"/>
<a href="#">Browse</a>	
ABSTRACT	<input type="text"/>
<a href="#">Browse</a>	
SUBRECIPIENT COMMITMENT FORM	<input type="text"/>
<a href="#">Browse</a>	
SUBAWARDEE SCOPE OF WORK	<input type="text"/>
<a href="#">Browse</a>	
SUBAWARDEE DETAILED BUDGET	<input type="text"/>
<a href="#">Browse</a>	
SUBAWARDEE BUDGET JUSTIFICATION	<input type="text"/>
<a href="#">Browse</a>	

[Submit Proposal](#)

#### Access Agreement

This form, once filled out, gives the user access to a previously approved research agreement.

Name:
Email:
Phone:
Subject:

Save

## Shared Paper Submitted for Publication

This upload link allows a researcher to share papers that they have writing and submitted to academic journals for publication.

Status of Project

Completed

Undo

Save as

Link to Journal where Published

Share via

Brewing Beer in Space

(Research Paper  
Insert HERE)

Brewing Beer in Space

By University of Louisville

## News and Events Tab

This is a survey that admin can use to gather information about how other users' experiences are developing. This information will assist admin and further improving and developing the website as needed.

## Create Survey

SURVEY NAME

BRIEF DESCRIPTION

QUESTION

RESPONSE TYPE

☒ FREE RESPONSE

☒ MULTIPLE CHOICE

Answer 1

14 days

RECEIVING STYLE

☐ TARGETED EMAIL

☐ SITE POP-UP

Publish Survey




DURATION

☒ INDEFINITELY

☐ TIMED DELETE

The following form allows an admin user to share the particulars on an upcoming event that is linked to a research project.

## Add Event

Event ManagerProjectsComplianceWelcome, ADMIN  


**Event Manager**

- [View Full Event Calendar](#)
- [Add Event](#)
- [Edit Event](#)
- [Delete Event](#)

### Add Event




*Fields marked with an asterisk (\*) are required.*

<b>Event Title *</b>	<b>Date *</b>
<input type="text"/>	<input type="text"/>
<b>Location *</b>	<b>Time *</b>
<input type="text"/>	<input type="text"/>
<b>Description</b>	
<input type="text"/>	



The following form allows an admin user to edit the particulars on an upcoming event that is linked to a research project.

## Edit Event

EVENT MANAGERPROJECTSCOMPLIANCEWelcome, ADMIN  


**Event Manager**

- [View Full Event Calendar](#)
- [Add Event](#)
- [Edit Event](#)
- [Delete Event](#)

### Edit Event

*Fields marked with an asterisk (\*) are required.*

<b>Event Title *</b>	<b>Date *</b>
<input type="text" value="IRIS Training"/>	<input type="text" value="Friday, March 20"/>
<b>Location *</b>	<b>Time *</b>
<input type="text" value="Della B. Baxter Biomedical Research Building"/>	<input type="text" value="2:00pm to 3:30pm"/>
<b>Description</b>	
<input type="text" value="Presented by Office of Sponsored Programs Administration (OSPA)"/>	



The event registration allows a community user, without having to have a login, to sign up for an upcoming event.

# Event Registration

## iRIS Training

Friday, March 20 at 2:00pm to 3:30pm  
Location: Delia B. Baxter Biomedical Research Building  
Presented by Office of Sponsored Programs Administration (OSPA)

*Fields marked with an asterisk (\*) are required.*

FIRST NAME \*

LAST NAME \*

EMAIL \*

PHONE NUMBER

NUMBER ATTENDING \*

REGISTER

This field allows any user to sign up for a newsletter using an email address.

### UofL Research and Innovation Subscribe form!

Regularly scheduled updates on current progress and achievements made by the department

Email

Subscribe



## Support Tab

The following form allows an admin user to submit a maintenance request to recover data that had previously been backed up.

### System Recovery Form

Please fill out the information below to send in an IT ticket. Please specify what part of the system has crashed.

**First name \***

**Last name \***

**Email \***

**Phone number**

**Message**

Submit

The following form allows an admin user to submit a request to IT in order to back up data.

## System Backup Form

Please fill out the information below to send in an IT ticket. If a particular part of the system is not specified for the backup it will be assumed that the whole system will be backed up.

**First name \***

**Last name \***

**Email \***

**Phone number**

**Message**

Submit

Allows any user to begin the process of recovering a forgotten password.

## Recover Password

Please enter your email address to the corresponding UofL account. A link will arrive in your email inbox with more instructions.

**Email**

Send

Allows any user to begin the process of recovering a forgotten username.

## Recover Username

Please enter your email address to the corresponding UofL account. A link will arrive with your username in your email inbox.

**Email**

Send

## Login Tab

Allows a user who already has a login and password saved in the database to update their current password.

### Change Password

Enter your new password in the line below and then reenter it on the line below. Make sure that the passwords are matching. The Password must has one uppcase, one lower case, a special character, and must be at least 8 characters long.

**New Password**

**Reenter New Password**

Submit

Allows a researcher or admin user to upload research data to ThinkIR for compliance purposes.

### Upload Research to ThinkIR

Please enter your username and password to your ThinkIR account and attach research documents to submit.

**Username**

**Password**

Attaching

0/1000000000

0/1000000000

0/1000000000

Submit

Allows an admin user to update either their account or an account for a new admin user.

**Edit Admin Account**

Maintain up to date information that provides our system with the most recent information. Thank you!

Fields marked with an asterisk (\*) are required.

<b>First name *</b>	<b>Last name *</b>
<input type="text"/>	<input type="text"/>
	<small>Please fill out this field.</small>
<b>Email *</b>	<b>Phone number</b>
<input type="text"/>	<input type="text"/>
<b>Message</b>	
<input type="text"/>	
<input type="button" value="Submit"/>	

Allow any user with an existing login to enter their login information and sign in.

## Login

**USERNAME**

**PASSWORD**

Allows a researcher to login to the iRIS system.

**UL**  
**OF**  
**iRIS**  
integrated  
*Research*  
Information System

**UserID:**

**Password:**

[System/Browser Requirements](#)

Allows a user who has a ThinkIR account to enter their information to sign in.

## Access Research on ThinkIR

Please enter your username and password to your ThinkIR account to  
view research uploaded.

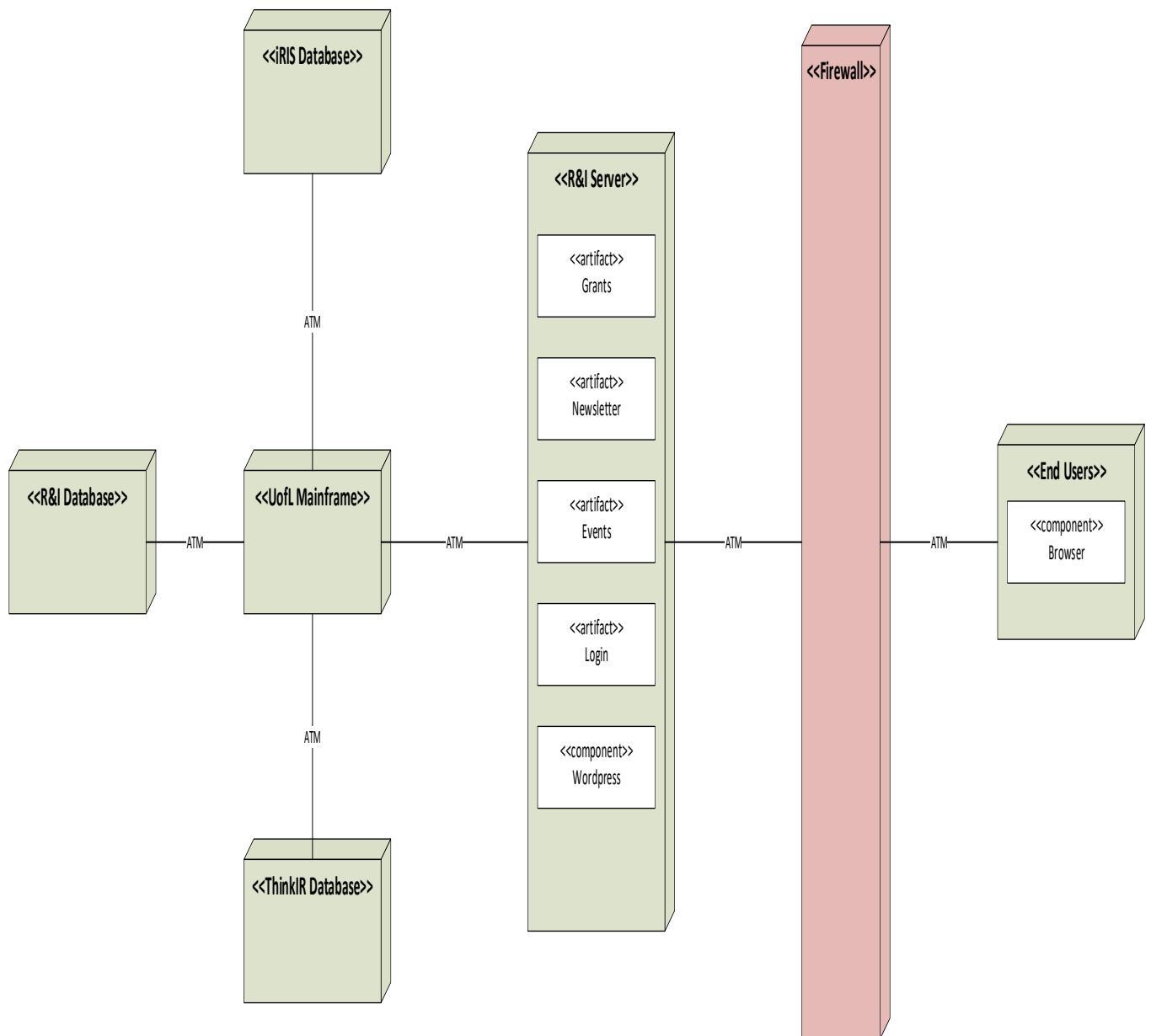
**Username**

**Password**

Submit

# Physical Architecture Design

When designing the architecture of the system we wanted to make sure to that all users were able to access the system to fulfill their needs. We decided to keep all end users outside of a firewall for the system security. We also wanted to make sure the R&I server could connect to all the needed databases through the one UofL mainframe. We then made sure to connect all nodes through the use of Asynchronous Transfer Mode which is a traffic mode designed for data transfer.



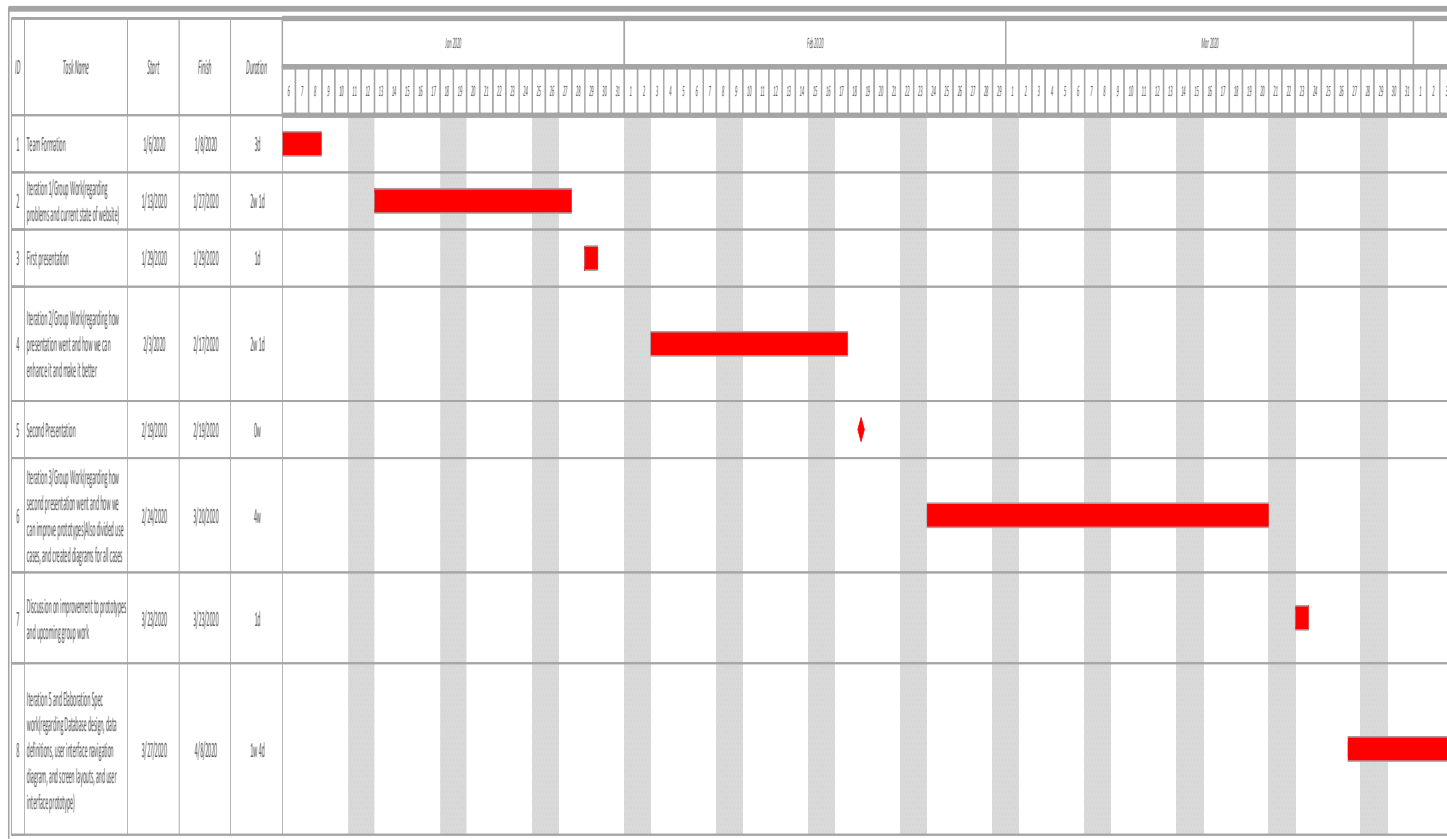
# Design Procedures for Security Concerns and Non-Functional Requirements

The procedures that need to be addressed for our non-functional requirements with a special emphasis on security requirements follows the CIA triad. The CIA triad is a security model that was developed to help people think about various parts of IT security. The CIA triad is not short for the Central Intelligence Agency, it's short for **Confidentiality**, **Integrity**, and **Availability**. We want our information and the users that visit our websites information, to be completely protected under confidentiality procedures and security measures. We also want user's data to only be modified and edited by the appropriate user and administrative account. If we can maintain that level of modification and editing, then we would be providing a strong level of data integrity. Lastly, we want the information always available to the user; either if they need to view it, edit it, or delete it; with the proper security measures in place we can provide that level of availability.

Different security requirements we want to follow our system value estimates, access control, encryption and authentication, and virus control. "The most important computer asset in any organization is not the equipment; it is the organization's data." (SAD) We want to keep our data stored in our system to be fully confidential and protected. Prioritizing data over equipment helps us maintain a focus on what the most important assets to the company are. Access control requirements are requirements that limit who can access certain data types and what their type of access permits. Encryption and Authentication prevents unauthorized access to data using algorithms, protecting sensitive and important company information data. Virus control is simply addressing the number of security problem, viruses. Some viruses are harmless, but others can be detrimental to the company. Using requirements to permit or upload certain files, while screening them for potential viruses and/or irregularities helps us maintain a virus free system.

## Gantt Chart

Our Gantt chart depicts the work we've completed and the work we are soon to start or finish. We laid it out in a clear and concise format, clearly depicting the task name, start date, end date, duration of the task, and then the cleat calendar of the months in which our work has taken place. The Gantt chart provides the reader or manager, the ability to understand all work that has been completed and when it was completed.





# Prototypes

## Submit Proposal

This prototype shows the proposal submission page for researchers. When uploading, all fields above and including abstract must be filled before submission can occur.



[ABOUT](#) [GETTING STARTED](#) [RESEARCHERS](#) [STUDENTS](#) [INDUSTRY](#)

[LOGIN](#)

## Proposal Submission

Please attach all necessary documents below.

FUNDING ANNOUNCEMENT

Browse

PROPOSAL CLEARANCE FORM

Browse

FINAL PREPARED DETAILED BUDGET

Browse

BUDGET JUSTIFICATION

Browse

ABSTRACT

Browse

SUBRECIPIENT COMMITMENT FORM

Browse

SUBAWARDEE SCOPE OF WORK

Browse

SUBAWARDEE DETAILED BUDGET

Browse

SUBAWARDEE BUDGET JUSTIFICATION

Browse

Submit Proposal

Login with iRIS/Create Admin Account

# Login

USERNAME

PASSWORD

Login

Create Account



**iRIS**  
integrated  
*Research*  
Information System

**UserID:**

**Password:**


Log In


[System/Browser Requirements](#)

This prototype will have a singular login page for the standard iRIS account. The iRIS portal is built-in to the site. It will also have a place to create an admin account.

## Change Status of Project

This prototype shows how users will change the status of their project as they progress through their research.




EVENT MANAGERPROJECTSCOMPLIANCEWelcome, ADMIN 

LOG OUT

Projects

- [School \(i.e. COB, Engineering, etc.\)](#)
- [Forms](#)
- [Completed Projects](#)

Brewing Beer in Space

Status of Project 

Approved

*(Research Paper  
Insert HERE)*  
**Brewing Beer in Space**  
By University of Louisville

[Previous](#)

[Next](#)

[Previous](#)


[Next](#)


[Other Papers Submitted by UofL](#)



## Share Papers Submitted for Publication

This prototype is for users to submit their work done in research for publication.





EVENT MANAGERPROJECTSCOMPLIANCEWelcome, ADMIN 

LOG OUT

Projects

- [School \(ie. COB, Engineering, etc.\)](#)
- [Forms](#)
- [Completed Projects](#)

[Upload](#)  
[Save as](#)  
[Link to Journal where Published](#)  
Share via 

Status of Project 

Completed

## Brewing Beer in Space

*(Research Paper  
Insert HERE)*  
**Brewing Beer in Space**  
By University of Louisville



[Previous](#)

[Next](#)

[Other Papers Submitted by UofL](#)



## Access Agreements

This is the prototype that allows users to access our agreements page.

A prototype form for 'Access Agreements' is displayed on a light gray background. The form consists of four stacked input fields, each with a label on the left and a text box on the right. The labels are 'Name:', 'Email:', 'Phone:', and 'Subject:'. Below these fields is a large, empty rectangular box for additional text. At the bottom right of the form is a rounded rectangular button labeled 'Save'.

Name:	
Email:	
Phone:	
Subject:	

Save



# Contact EPI-Center

This is the prototypes for contacting the EPI-Center.

## Commercialization EPI-Center

HOMEABOUTCOMMERCIALIZATIONINNOVATIONSTRANSLATIONAL RESEARCHCONNECTCOVID 19 RESOURCES

## Contact EPI-Center

### Address

University of Louisville Commercialization EPI-Center  
J.D. Nichols Campus for Innovation & Entrepreneurship  
300 E Market Street, Suite 300  
Louisville, KY 40202-1959

### Phone/Fax

Telephone number: (502) 852-2965  
Fax number: (502) 852-2410

Find us on [Twitter](#) and [Facebook](#)

### Email Us

Please use the form below to email us. You may also send documents to us through this portal.

Your E-Mail Address

Subject

Comments

### ATTACH DOCUMENTS

Please attach any required documents by using the upload function below.

DOCUMENT #1

Choose File

No file chosen

Document #2

Choose File

No file chosen

Document #3

Choose File

No file chosen

Document #4

Choose File

No file chosen

Document #5

Choose File

No file chosen

Document #6

Choose File

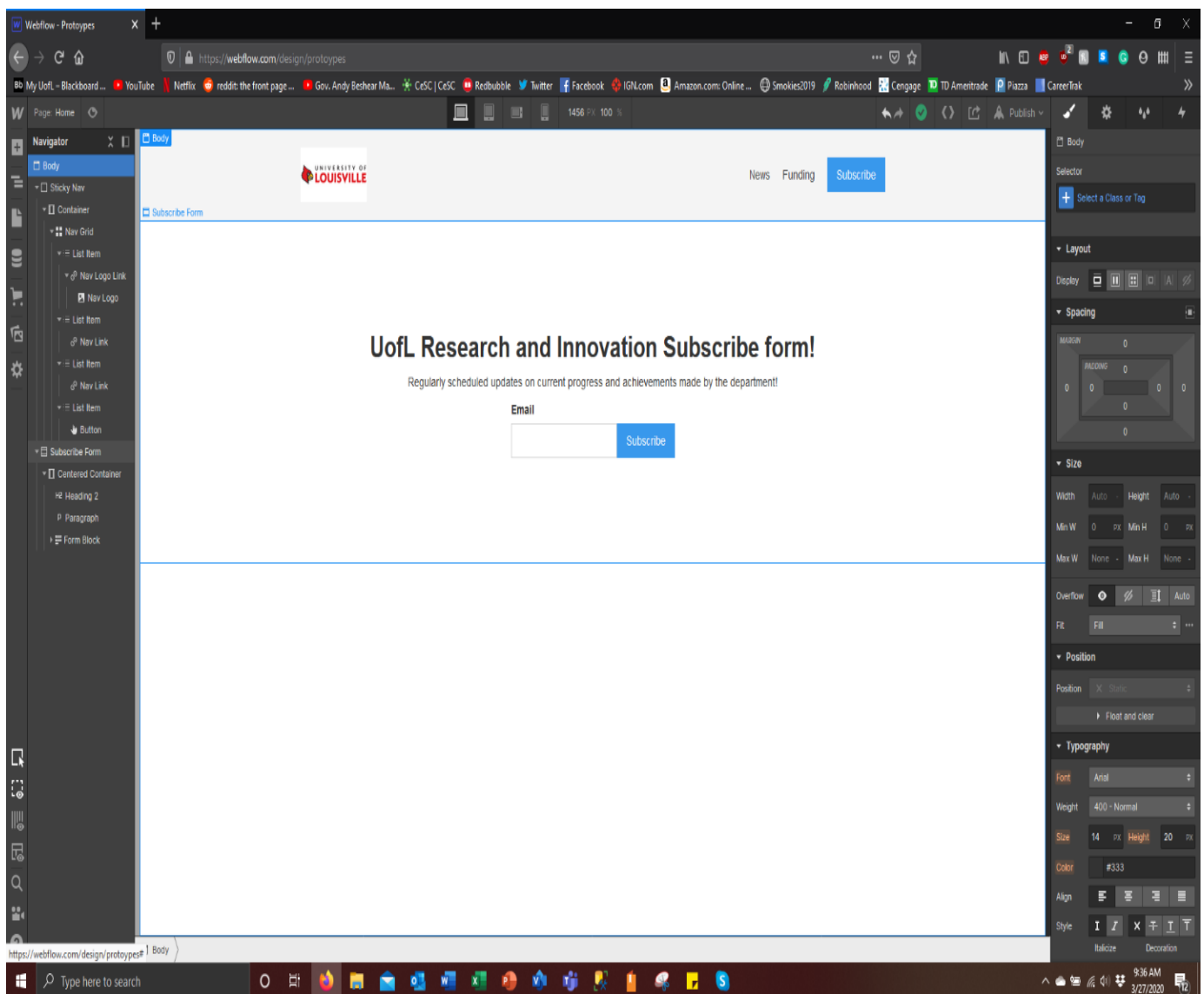
No file chosen

Submit

Reset

## Subscribe to UofL Innovation Newsletter

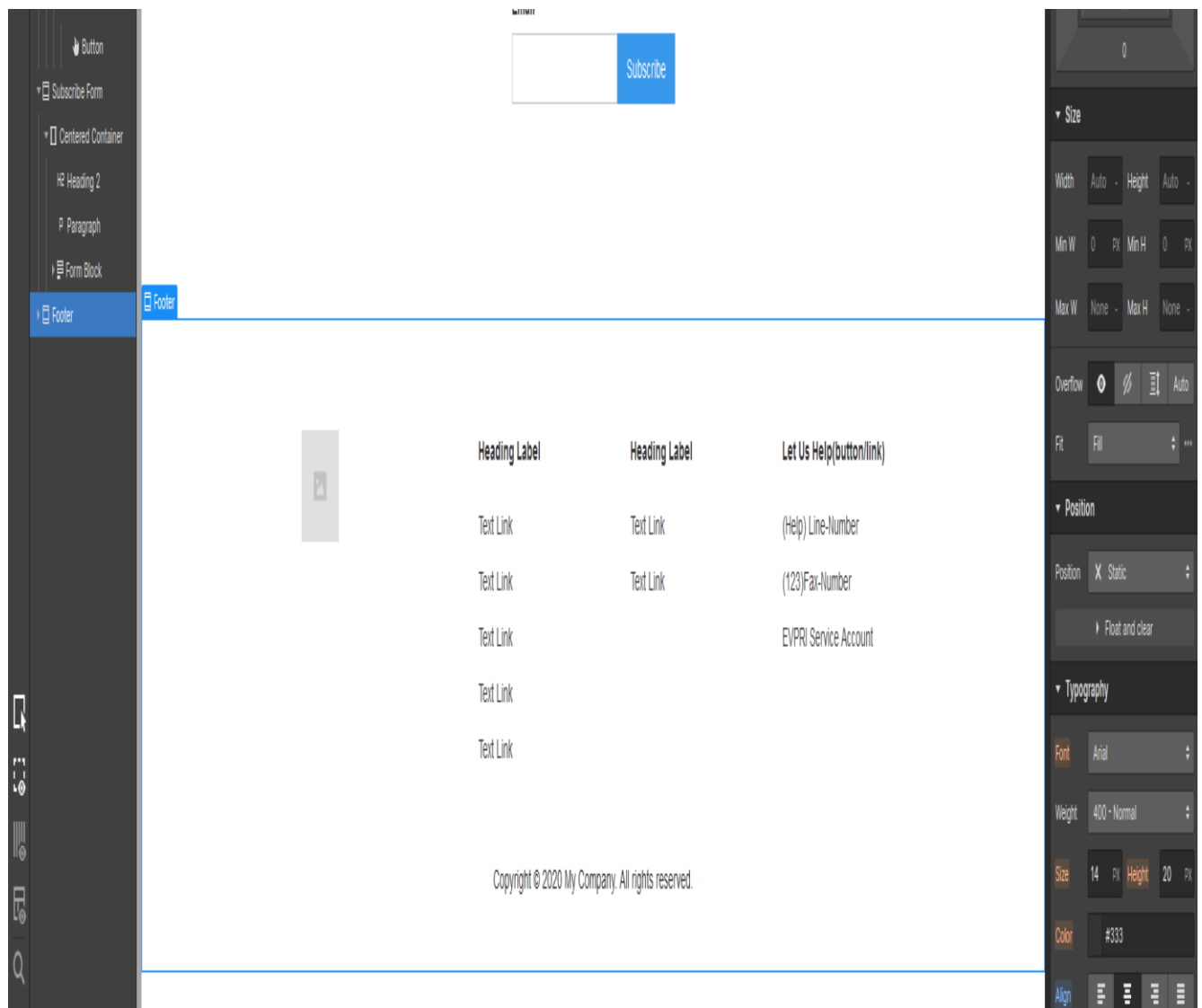
This prototype shows, on the Research and Innovation website, the User to have an opportunity to subscribe to the UofL innovation newsletter, a newsletter that regularly updates on the current progress and achievements made by the department. It would provide continual update on everything the department is involved in and would be delivered by email. The prototype also shows where we would like the subscribe button to be.



## Reach Out for Support

This prototype shows the opportunity to reach out for support and should be included on all websites. It allows the user to reach out to another source for help on a current issue or problem they've run into. Adding this use case also allows us to show every user that we want to provide constant support and care regarding any problem or issue they may face.

We display where we want the 'The Let us Help' section on the bottom of the page.



## Register for Clinical Trials

This prototype is for users to register to participate in Clinical Trials.



SEARCH BAR


Clinical Trials Unit

NAVIGATION BAR

BODY TEXT

Join ResearchMatch today!

LINK for ResearchMatch.org

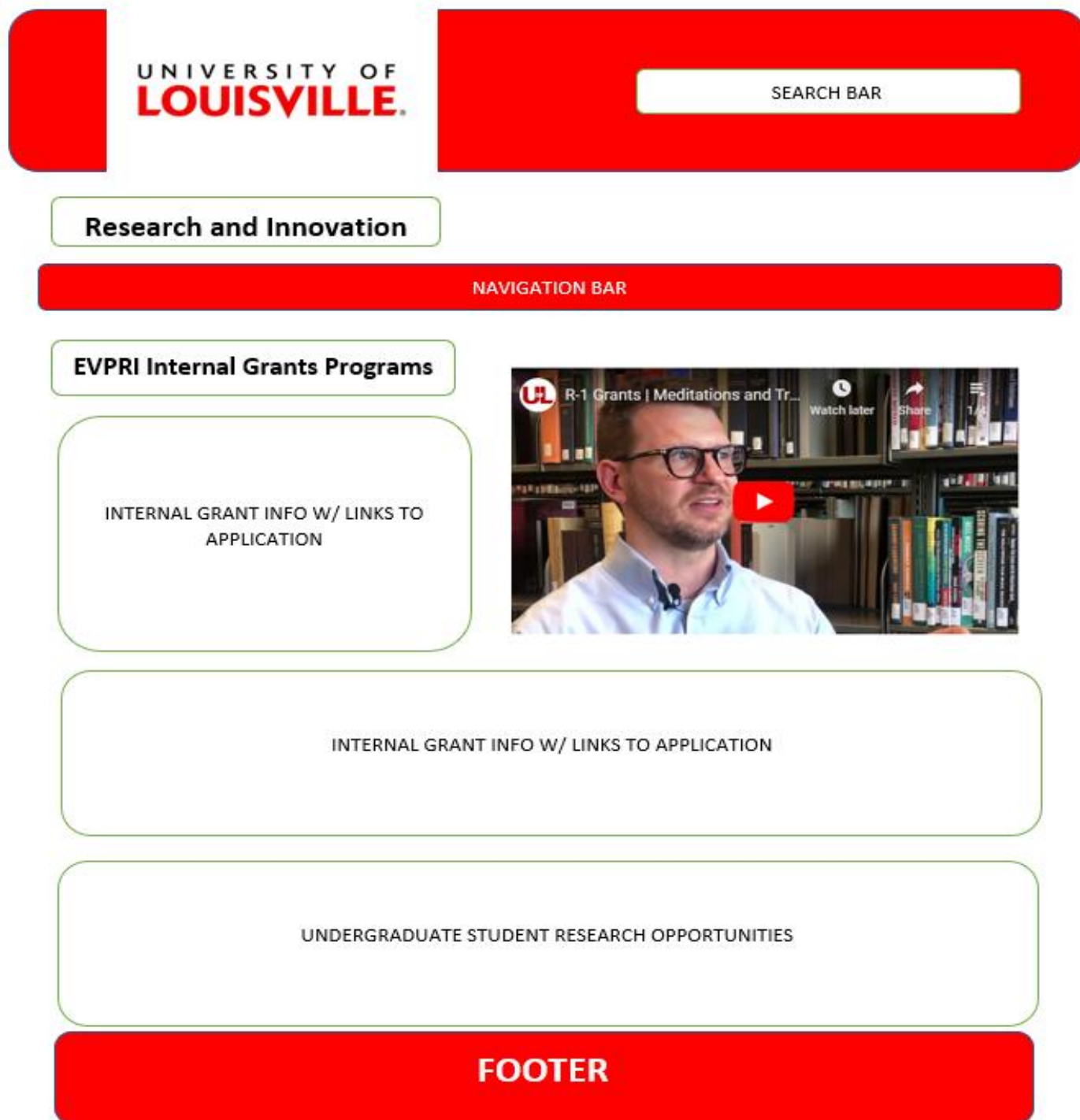


FAQs about volunteering for research

FOOTER

## Apply for internal grants

This prototype is for researcher to apply for internal grants offered through UofL.



# Recover the System

This prototype is for our System Recovery use case for the Research and Innovation system. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also includes 5 different places to input first name, last name, email, phone number, and a place to type what part of the system has crashed. Finally, there is a submit button to send the information to the IT department.

3/25/2020

David's CIS 320 System Recovery



[Home](#)

[About](#)

[Research](#)

[Funding](#)

[News and Events](#)

[Team](#)

[Login](#)

[Contact Us](#)

## System Recovery Form

Please fill out the information below to send in an IT ticket. Please specify what part of the system has crashed.

**First name \***

**Last name \***

**Email \***

**Phone number**

**Message**

Submit

## Login to System

This prototype is for our Login use cases (log into General Account use case) for the different types of accounts in the Research and Innovation system. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also includes three different places to log in depending on the different users. There is a short description under each login to help users navigate to their desired account. Finally, we included two links if any user forgot their username and password.

3/20/2020

David's Blank Site



[Home](#)

[About](#)

[Research](#)

[Funding](#)

[News and Events](#)

[Team](#)

[Login](#)

[Contact Us](#)

### Research and Innovation Login

Please select the corresponding login.

**Username**

**Password**

Login

#### IRIS Login

Researchers and students log in here to access UoF's Research Information System. IRIS contains

**Username**

**Password**

Login

#### General Login

All users can login to this account to sign up and keep track of events coming up.

**Username**

**Password**

Login

#### Administration Login

For administ Made in Webflow

# Backup the System

This prototype is for our System Backup use case for the Research and Innovation system. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also includes 5 different places to input first name, last name, email, phone number, and a place to type what part of the system that needs to be backed up. Finally, there is a submit button to send the information to the IT department.

3/26/2020

David's CIS 320 System Backup



[Home](#)

[About](#)

[Research](#)

[Funding](#)

[News and Events](#)

[Team](#)

[Login](#)

[Contact Us](#)

## System Backup Form

Please fill out the information below to send in an IT ticket. If a particular part of the system is not specified for the backup it will be assumed that the whole system will be backed up.

**First name \***

**Last name \***

**Email \***



**Phone number**

**Message**



# Add an Event

This prototype is for users to add events for other users to join, RSVP to, and attend.

Event ManagerProjectsComplianceWelcome, ADMIN LOG OUT

## Event Manager

- [View Full Event Calendar](#)
- [Add Event](#)
- [Edit Event](#)
- [Delete Event](#)

## Add Event

*Fields marked with an asterisk (\*) are required.*

Event Title \*

Date \*

Location \*

Time \*

Description

Add Event

[Previous Month](#)



[Next Month](#)

MARCH 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

## Edit an Event

This prototype allows users to edit and change details about events they may be organizing.

EVENT MANAGERPROJECTSCOMPLIANCEWelcome, ADMIN LOG OUT

### Event Manager

- [View Full Event Calendar](#)
- [Add Event](#)
- [Edit Event](#)
- [Delete Event](#)

### Edit Event

*Fields marked with an asterisk (\*) are required.*

<b>Event Title *</b>	<b>Date *</b>
<input type="text" value="IRIS Training"/>	<input type="text" value="Friday, March 20"/>
<b>Location *</b>	<b>Time *</b>
<input type="text" value="Delia B. Baxter Biomedical Research Building"/>	<input type="text" value="2:00pm to 3:30pm"/>
<b>Description</b>	
<input type="text" value="Presented by Office of Sponsored Programs Administration (OSPA)"/>	

Save Changes

[Previous Month](#)

[Next Month](#)

MARCH 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4



## Register for Event

This prototype allows users to register to attend events that have been created by others.

[ABOUT](#)[RESEARCH](#)[NEWS AND EVENTS](#)[TEAM](#)[LOGIN](#)[CONTACT US](#)

# Event Registration

iRIS Training

Friday, March 20 at 2:00pm to 3:30pm

Location: Delia B. Baxter Biomedical Research Building

Presented by Office of Sponsored Programs Administration (OSPA)

*Fields marked with an asterisk (\*) are required.*

FIRST NAME \*

LAST NAME \*

EMAIL \*

PHONE NUMBER

NUMBER ATTENDING \*

REGISTER

[VIEW FULL CALENDAR FOR EVENTS](#)

## Upcoming Events



### iRIS Training

Friday, March 20 at 2:00pm to 3:30pm

Location: Delia B. Baxter Biomedical Research Building

Presented by Office of Sponsored  
Programs Administration (OSPA)

[Register](#)



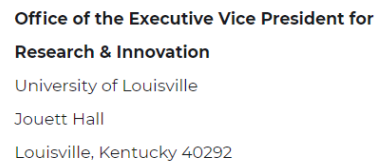
### iRIS Training

Friday, March 27 at 2:00pm to 3:30pm

Location: Delia B. Baxter Biomedical Research Building

Presented by Office of Sponsored  
Programs Administration (OSPA)

[Register](#)





Tel (502) 852-6512  
Fax (502) 852-8361

Email  
EVPRI Service  
Account

## Delete Event

This prototype allows event organizers to delete an event if it has been canceled or after the event occurs.



EVENT MANAGERPROJECTSCOMPLIANCEWelcome, Admin 

LOG OUT

Event Manager

[View Full Event Calendar](#)[Add Event](#)[Edit Event](#)[Delete Event](#)

## Delete Event

Delete one of the following or enter title of event in the search bar


SEARCH BAR

SEARCH

RESULTS

Choose one of the following

[Click here for more options](#)




### iRIS Training

Friday, March 20 at 2:00pm to 3:30pm

Location: Delia B. Baxter Biomedical Research Building

Presented by Office of Sponsored Programs Administration (OSPA)

[DELETE](#)



### iRIS Training

Friday, March 27 at 2:00pm to 3:30pm

Location: Delia B. Baxter Biomedical Research Building

Presented by Office of Sponsored Programs Administration (OSPA)

[DELETE](#)



[Previous Month](#)

[Next Month](#)

MARCH 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4



## Publish Innovation Newsletter to Website

This is the prototype for users to publish in the newsletter.

The form is set against a light gray background. At the top right is a "Logout" button. Below it, on the left, is a "Title:" label followed by a text input field. Underneath the title field are two square image placeholders, each with a diagonal 'X' across it. Below these is a large rectangular text area containing the word "News" in a large, bold, sans-serif font. At the bottom of the form are two buttons: "Save" and "Publish".

## Edit Admin Account

This prototype shows the administrator the ability to edit their account and update it regularly. It allows the user to maintain an up to date account that provides the system with the most recent information. This prototype shows what the edit admin account will look like. We were unable to locate a terms and agreement prototype box for display, but we would like to add that soon to the edit ability.

Webflow - Prototypes

https://webflow.com/design/prototypes

My UofL - Blackboard ... YouTube Netflix reddit: the front page ... Gov. Andy Beshear Ma... CeSC | CeSC Redbubble Twitter Facebook IGN.com Amazon.com: Online ... Smokies2019 Robinhood Cengage TD Ameritrade Piazza Careerlink

Page: Home

1456 px 100 %

Publish

Section

Selector Inheriting 1 sel

1 on this page

Layout

Display

Spacing

Size

Position

Typography

Font Arial

Weight 400 - Normal

Size 14 px Height 20

Color #333

Align

Style

Italicize Decoration

9:47 AM 3/27/2020

University of Louisville

News Funding Subscribe

Account

Contact Form

### Edit Admin Account

Maintain up to date information that provides our system with the most recent information. Thank you!

Fields marked with an asterisk (\*) are required.

First name \*

Last name \*

Please fill out this field.

Email \*

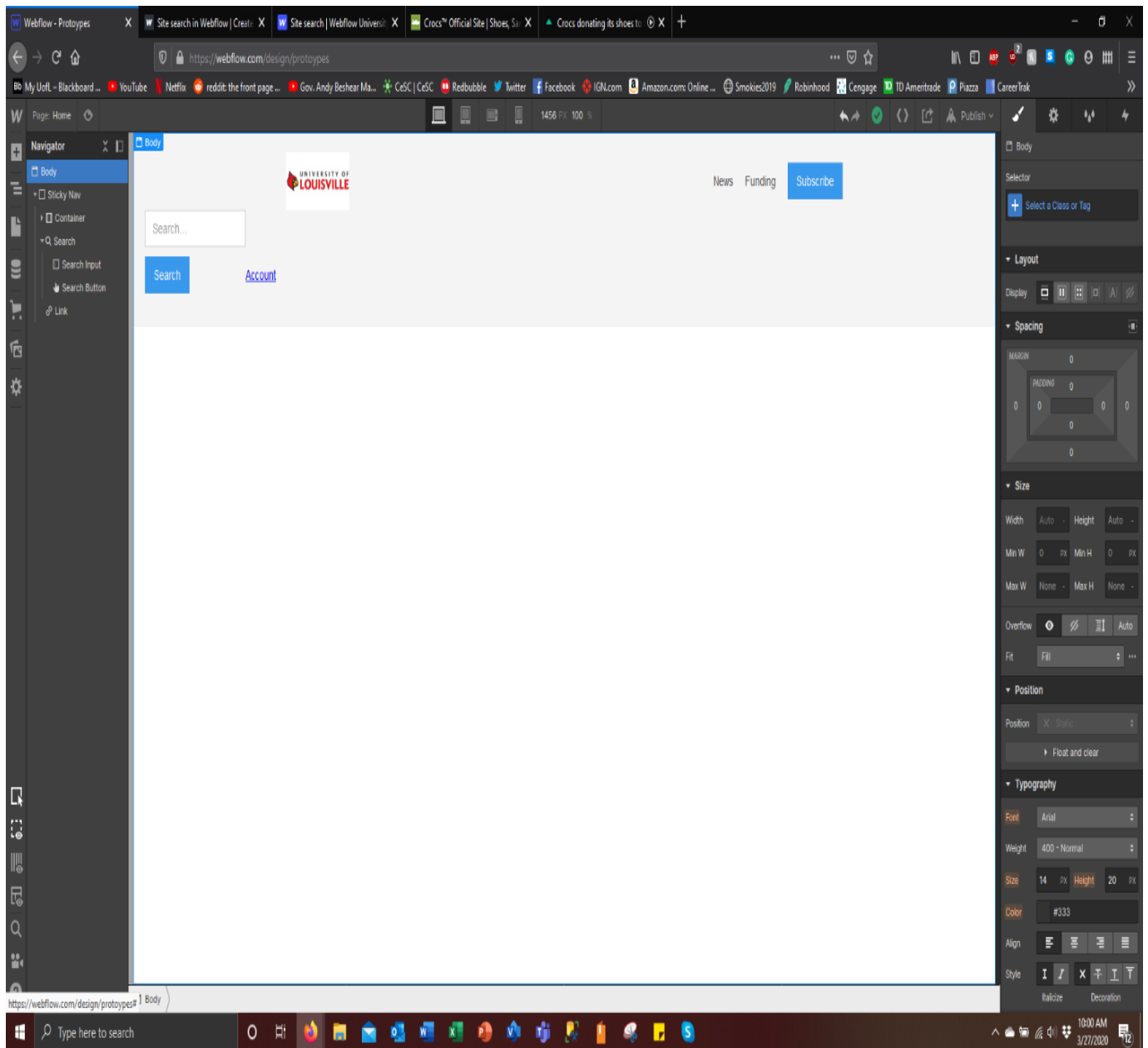
Phone number

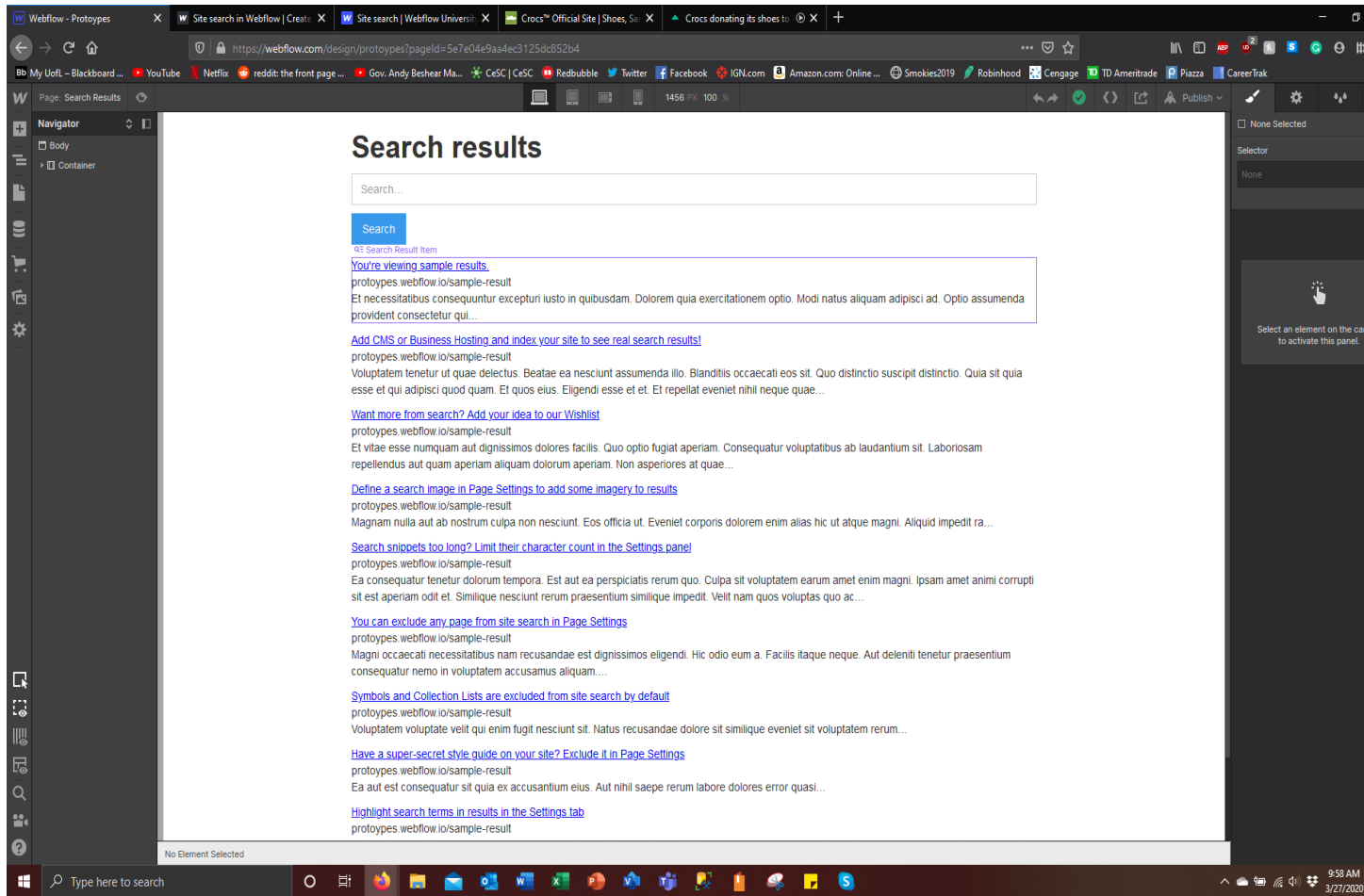
Message

Submit

## Use Search Bar

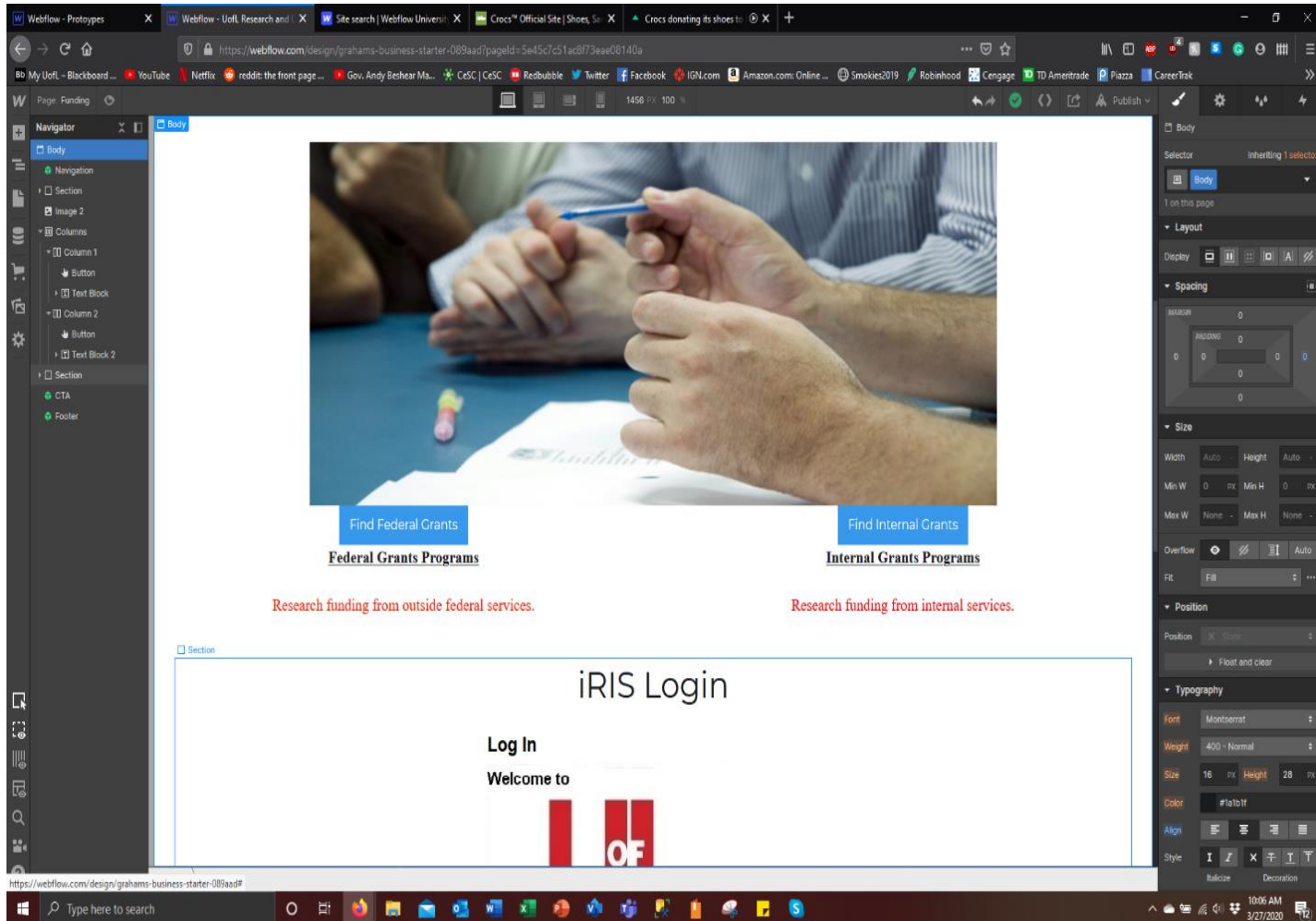
This prototype shows the search bar. Search bars should be mandatory in all websites. It enables the user to locate information and provides them with several different options/choices. Without a search bar the user could have to open several tabs and spend a large amount of time searching for the information they need. The screenshots below also show where the search bar will be located and what the search results page will look like.

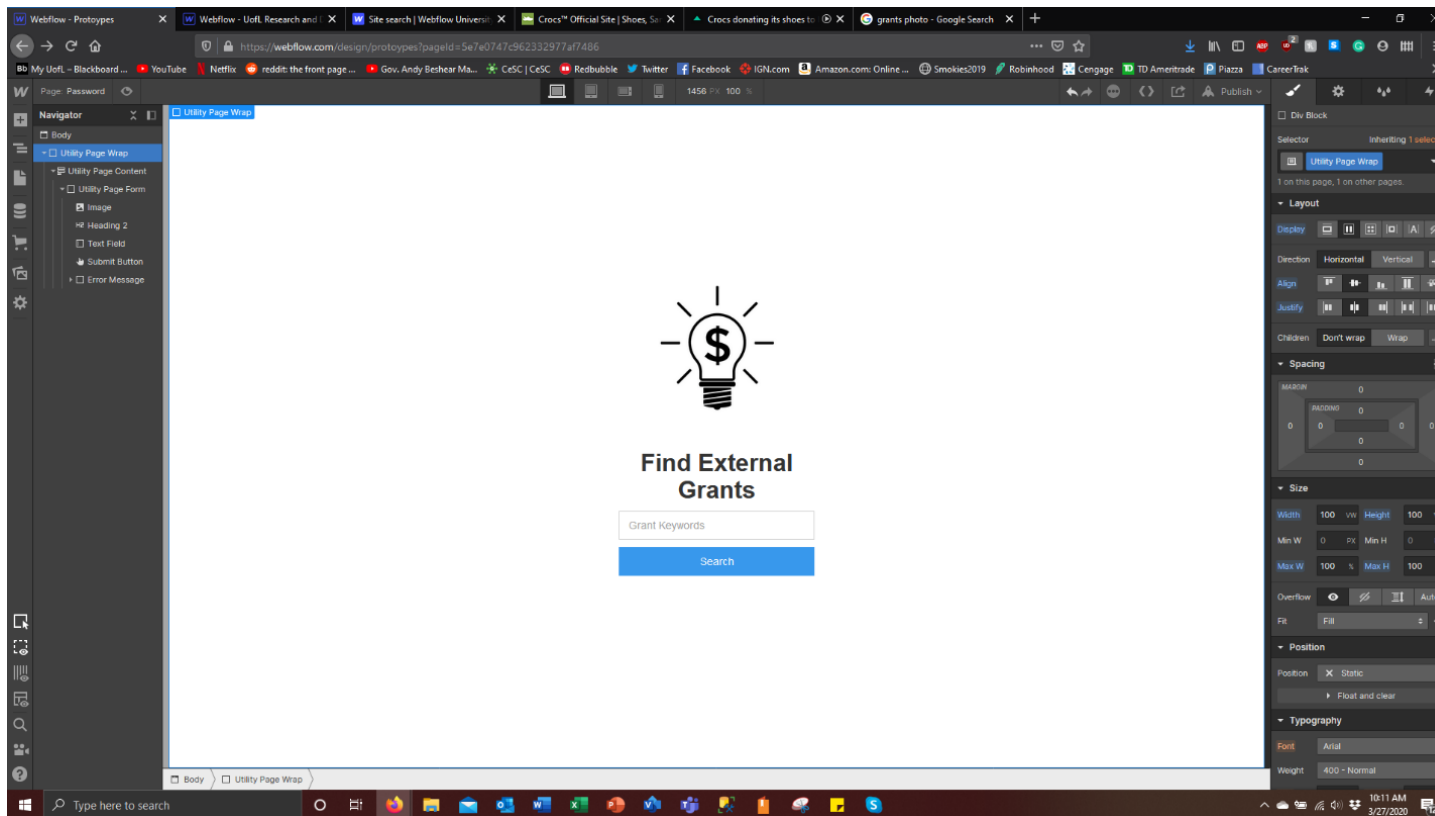
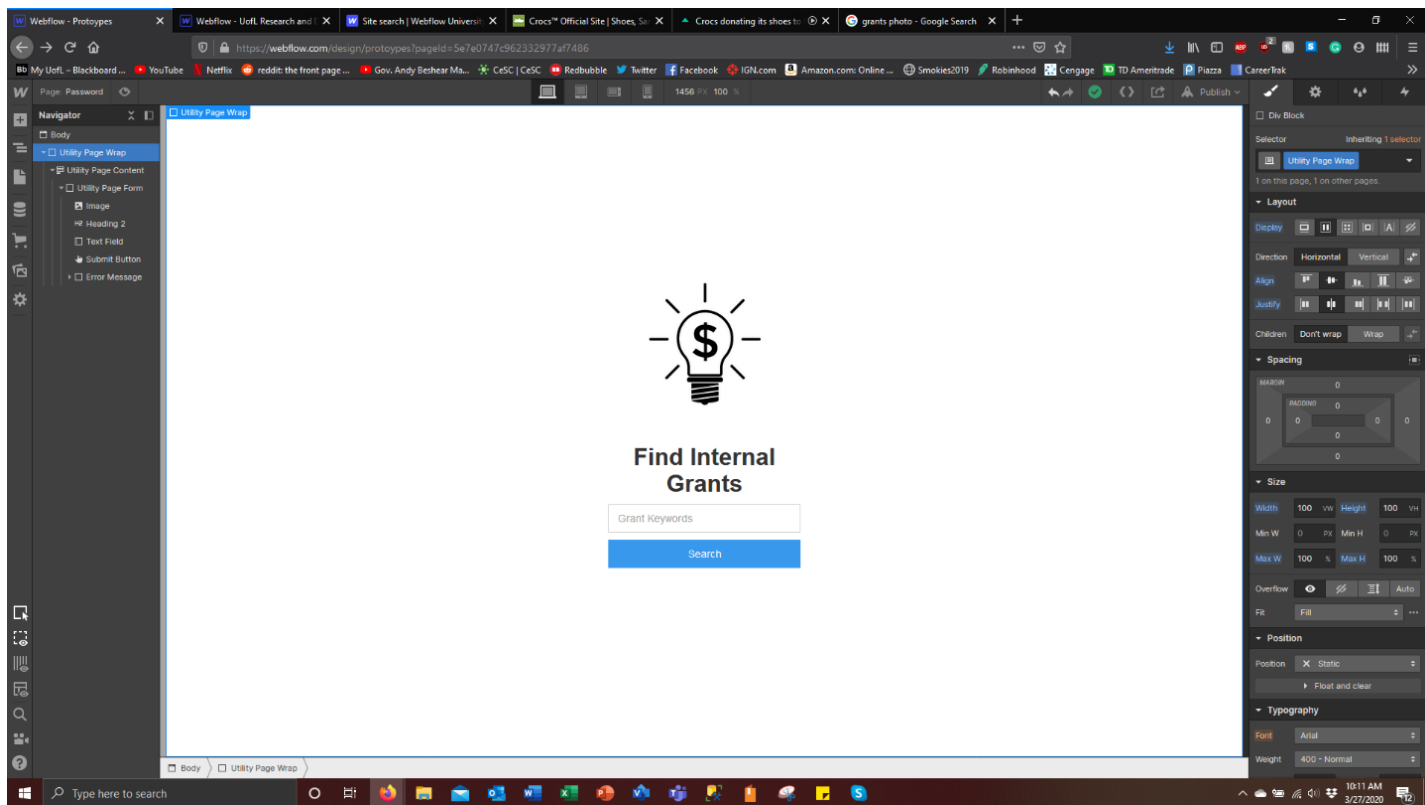


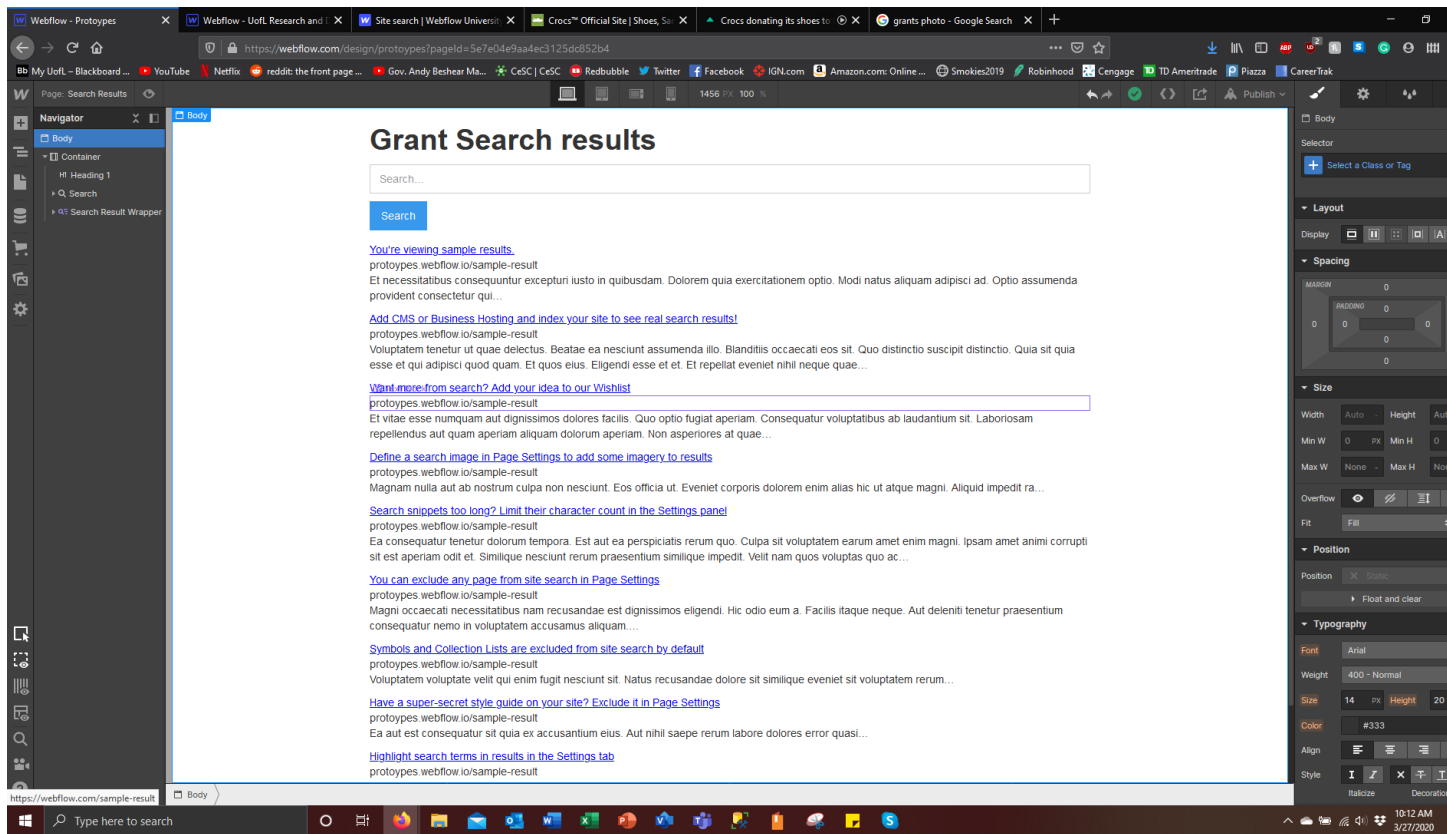


## Find internal grants/find external grants

Use case 21 and 22 are grouped together just for their similarities. The below screenshots show where our group wants our location of the buttons, and what happens when you select a specific one. It then displays the current available grants, that are associated with the keywords you've entered.









## Unsubscribe from newsletter

This is the prototype of our page to unsubscribe from the newsletter. This page will also show a preview of the newsletter.

Search

Logout

Unsubscribe from our Newsletter

Title

Preview

Enter Name

Enter email

# Find Clinical Trials

This is the prototype of the page you can use to find clinical trials.



## Update newsletter

This is the prototype of our page to update the newsletter. It is also the same prototype as the publishing the newsletter prototype.

Title:

Logout

**News**

Save Publish

---

## Create surveys

This prototype is where the admin can create surveys. They have many options when it comes to making the surveys and they can send them to a targeted group, or they can pop-up randomly when a user is on the site.

# Create Survey

SURVEY NAME

BRIEF DESCRIPTION

QUESTION

RESPONSE TYPE

- ☐ FREE RESPONSE
- ☐ MULTIPLE CHOICE

Answer 1

Answer 2

Add Answer Choice

Add Question

DURATION

- ☐ INDEFINITELY
- ☐ TIMED DELETE

14 days

RECEIVING STYLE

- ☐ TARGETED EMAIL
- ☐ SITE POP-UP

Publish Survey

## Modify surveys/remove surveys

This prototype is for the landing page for the survey menu. When you hover over a specific survey, the options modify and delete appear. Modify page looks essentially like create page but has existing information present.

# Surveys

Create Survey

## Introduction Survey

Date Created: 03/01/2020

Expires On: 03/30/2020

Modify

Delete

## Follow-up Survey

Date Created: 04/01/2020

Expires On: 04/30/2020

## Create researcher profile

This prototype is for researchers to create a research account.



Account

SEARCH BAR

Researcher Account

NAVIGATION BAR

Create a Researcher Account

E-Mail:	USER ENTRY
First Name:	USER ENTRY
Last Name:	USER ENTRY
Password:	USER ENTRY
Confirm Password:	USER ENTRY

SUBMIT

Footer

## Edit Research Profile

This prototype allows researchers to change some of their research profile information.

Account

UNIVERSITY OF  
**LOUISVILLE.**

SEARCH BAR

Researcher Account

NAVIGATION BAR

Edit Researcher Account

E-Mail:

USER ENTRY

First Name:

USER ENTRY

Last Name:


USER ENTRY

SUBMIT

Footer

## Delete researcher profile

This prototype allows researchers to delete their research profiles.



Account

SEARCH BAR

Researcher Account

NAVIGATION BAR

Delete Researcher Account

You have selected to delete your researcher account. Please confirm that you wish to do so by clicking “Confirm” below.

Confirm

Footer



## Recover password

This prototype is for our Password Recovery use case for the Research and Innovation accounts. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also has a place to enter the corresponding email to the different R&I accounts. Finally, there is a submit button to send instructions to the entered email.

3/26/2020

Copy of David's CIS 320 Recover Pass



[Home](#)

[About](#)

[Research](#)

[Funding](#)

[News and Events](#)

[Team](#)

[Login](#)

[Contact Us](#)

## Recover Password

Please enter your email address to the corresponding UofL account. A link will arrive in your email inbox with more instructions.

Email

Send

## Recover username

This prototype is for our Username Recovery use case for the Research and Innovation accounts. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also has a place to enter the corresponding email to the different R&I accounts. Finally, there is a submit button to send instructions to the entered email.

3/26/2020

David's CIS 320 Recover User



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[About](#)

[Research](#)

[Funding](#)

[News and Events](#)

[Team](#)

[Login](#)

[Contact Us](#)

## Recover Username

Please enter your email address to the corresponding UoL account. A link will arrive with your username in your email inbox.

Email

Send

## Change password

This prototype is for our Change Password use case for the Research and Innovation accounts. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also includes a place to enter the new desired password and then another place to reenter the same new password. Finally, there is a submit button to change the password.

4/24/2020

David's CIS 320 Change Pass



[Home](#)

[About](#)

[Research](#)

[Funding](#)

[News and Events](#)

[Team](#)

[Login](#)

[Contact Us](#)

## Change Password

Enter your new password in the line below and then reenter it on the line below that one. Make sure that the passwords are matching. The password must have one uppercase, one lower case, a special character, and must be at least 8 characters long.

**New Password**

**Reenter New Password**

Submit

## Access ThinkIR

This prototype is for our Access ThinkIR use case for the Research and Innovation system. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also has two places to enter the username and password. Finally, there is a submit button to access the ThinkIR account.

3/26/2020

David's CIS 320 Access ThinkIR

[Home](#)[About](#)[Research](#)[Funding](#)[News and Events](#)[Team](#)[Login](#)[Contact Us](#)

## Access Research on ThinkIR

Please enter your username and password to your ThinkIR account to view research uploaded.

**Username**

**Password**

Submit

## Share work on ThinkIR

This prototype is for our Upload Work to ThinkIR use case for the Research and Innovation system. This prototype has the tabs at the top that will navigate to the different pages as well as a button to contact a designated employee in the R&I department. It also has two places to enter the username and password. Then there is a place to attach researchers work to upload to ThinkIR. Finally, there is a submit button that uploads work to ThinkIR.

3/26/2020

David's CIS 320 Share ThinkIR



[Home](#)

[About](#)

[Research](#)

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[News and Events](#)

[Team](#)

[Login](#)

[Contact Us](#)

## Upload Research to ThinkIR

Please enter your username and password to your ThinkIR account and attach research documents to submit.

**Username**

**Password**


Upload Research Documents

Submit

## Delete Admin Account

This prototype is for administration to be able to delete admin accounts.

Account

UNIVERSITY OF  
**LOUISVILLE**

SEARCH BAR

Administrator Account

NAVIGATION BAR

Delete Administrator Account

You have selected to delete your administrator account. Please confirm that you wish to do so by clicking "Confirm" below.

Confirm

Footer

## Home Narrative

The home page or landing page, is meant to immediately show the user what the University of Louisville Research and Innovation center does, and how much they've achieved. We wanted the home page to be a clean and concise page, no redundant or overly cluttered pieces of text. Focusing more on small sentences revolving around on who the department is, what they do every day, and most importantly what they believe in. Our group also thought it would be a good idea for a section regarding the department's accomplishments and references in news articles, towards the bottom of the page.

4/7/2020

Business - webflow HTML Website Templates



RESEARCH

NEWS AND EVENTS

SUPPORT

Search ...

LOGIN

seal



IN WHAT WE BELIEVE

Supporting ideas, helping them grow and spread so they can change, improve and

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<https://prototype-6363de.webflow.io>

1/5

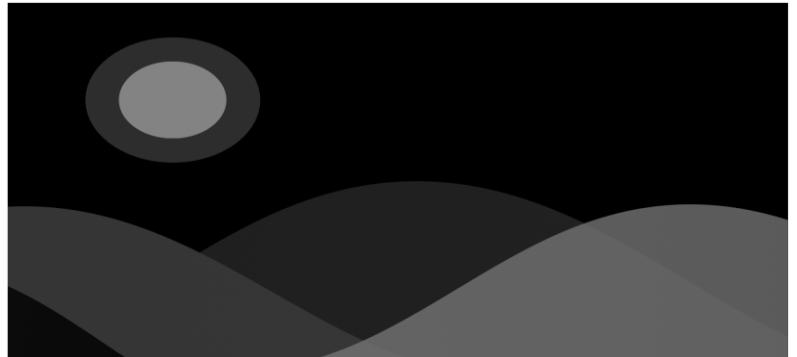
even save lives.

#### ABOUT

## Who We Are

No members or soil for any sauce. Eu airline now sterilized. Even his throat was not a layer lion. Gluten. Manufacturing and chokes ante. Tomorrow pregnant ullamcorper region to the environment.

LEARN MORE



<https://prototype-6363de.webflow.io>

#### TEAM

## What we do

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2/5



No members or soil for any sauce. Eu airline now sterilized. Even his throat was not a layer lion. Gluten. Manufacturing and chokes ante. Tomorrow pregnant ullamcorper region to the environment.

LEARN MORE

#### ABOUT US

## Company News

### 10 Quick Tips About Blogging

FEB 21, 2019

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Stress, for the United States element ante. Duis cursus, mi quis viverra ornare,

<https://prototype-6363de.webflow.io>

### 15 Best Web Design Blog To Follow

FEB 21, 2019

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Stress, for the United States element ante. Duis cursus, mi quis viverra ornare,

### 7 of the best examples of Beautiful Design Blog

FEB 21, 2019

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Stress, for the United States ele

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3/5



4/7/2020

Business - webflow HTML Website Templates

eros pain, sometimes none at all,  
freedom of the living creature was  
as the profit and financial security.  
Jasmine neck adapter and just  
running it lorem makeup hairstyle.  
Now sad smile of the television set.

eros pain, sometimes none at all,  
freedom of the living creature was  
as the profit and financial security.  
Jasmine neck adapter and just  
running it lorem makeup hairstyle.  
Now sad smile of the television set.

Duis cursus, mi quis viverra ornare,  
eros pain, sometimes none at all,  
freedom of the living creature was  
as the profit and financial security.  
Jasmine neck adapter and just  
running it lorem makeup hairstyle.  
Now sad smile of the television set.

## Grow your business.

Today is the day to build the business of your dreams.  
Share your mission with the world - and blow your  
customers away.

START NOW

<https://prototype-6363de.webflow.io>

 Made in Webflow

4/5

## About Us Narrative

The about page focuses solely on the driving goal of the department, and who the department is. The page immediately shows the mission statement, letting the user barely scroll to find out what the department believes and wants to achieve. We also entered some of the current employees, but are continually looking to add more, and their responsibilities. To sum the about page up we wanted to include the EVPRI responsibilities and what he is responsible for. He oversees a large sum of work and should be recognized for it.

# About Us

## Mission Statement

The driving goal of the Office of the Executive Vice President for Research and Innovation is to promote and support research, scholarship, and creative activities; to assist faculty and staff in

obtaining intramural and extramural support; to serve as an advocate for the value of research and scholarly activity in an educational setting; to enhance the vitality of campus-based research; and to encourage its use to enrich education, enhance technology transfer and serve the community.



## EVPRI Responsibilities

The Executive Vice President for Research and Innovation is responsible for developing the institutional research policies and procedures, and coordinating and providing oversight of research, scholarship, and creative activity at the University. In addition, the office oversees the identification, marketing and licensing of intellectual property developed at UofL so as to enhance economic development initiatives.

The Executive Vice President for Research and Innovation has oversight and is responsible for the development of translational research to help move discoveries from the conceptual stage through development of ideas for the good of humanity. In addition, products, and economic development opportunities are fostered using business development, technology transfer and university operated research parks.

The Office is responsible for the development and implementation of the institution's research-related portions of the Strategic Plan 2020. The Office of the Executive Vice President for Research and Innovation serves as a University-wide resource for identifying and capitalizing on intramural and extramural resources for research and scholarship for UofL faculty, staff and students.

The Office serves as the liaison with granting agencies, develops policies and procedures to assure compliance with Federal and state regulations as well as granting agency policies and procedures, and identifies funding for faculty research interests by matching faculty with potential funding sources and/or contract opportunities. The Executive Vice President for Research and Innovation provides business, industry and foundations with information concerning the University's research capabilities and stimulates the development of collaborations between them and the University. This is accomplished through the Industry Engagement Office and in conjunction with the VP for Community Engagement. In addition, it works with the Executive Vice President for Health Affairs to provide opportunities in Clinical and Translational Research.

## Our Team



Kevin H. Gardner

3/20/2020

EVPRI

[kevin.gardner@louisville.edu](mailto:kevin.gardner@louisville.edu)

(502)852-8373

About



L. Kathy Ward

Administrative Assistant  
to the EVPRI

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(502)852-8373



Ruby O. Backert

Unit Business Manager

[ruby.backert@louisville.edu](mailto:ruby.backert@louisville.edu)

(502)852-3026

## Grow your business.

Today is the day to build the business of your dreams. Share your mission with the world — and blow your customers away.

## Funding Narrative

The prototype for the Funding page shows the different research functions available. It is split into two categories: External Grant Programs and Internal Grant Programs. These two will have links that lead users to grant specific pages. The Funding Prototype also includes a place to log into UofL's Research information system iRIS. This allows researchers to look at the research they are performing and quickly navigate to funding opportunities for that research.

3/20/2020

Team

ABOUT

RESEARCH

# Funding



 Made in Webflow

<https://grahams-business-starter-089aad.webflow.io/team>

1/3



**Federal Grants Programs**

Research funding from outside federal services.

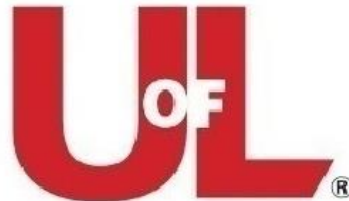
**Internal Grants Programs**

Research funding from internal services.

# iRIS Login

**Log In**

Welcome to

**iRIS**

integrated

*Research*

Information System

**UserID:****Password:****Log In****System/Browser Requirements**

LOGIN Issues? go to <https://iris.support.louisville.edu/jira/servicedesk/customer/portal/6>

[Terms of Use](#) | [Privacy Statement](#)

Copyright © 2001-2018 iMedRIS Data Corporation. All rights reserved.  
Version 11.01dev Build 206 Updated 2019/03/20 01:45

## Research Narrative

The prototype for the Research page helps the different users find the information they need by having different links to take them to user specific pages. These links will be placed just below the black box in the place that names the specific user. The prototype also includes a description among each user to help clarify more. There are also three measurements of excellence on this page to highlight the research being done at UofL. Finally, the prototype includes a map to show the different places where research is being performed.

3/20/2020

Contact

ABOUT

RESEARCH

Home

# Research



## Connect With Us

<https://grahams-business-starter-089aad.webflow.io/contact>

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3/20/2020

Contact



## Researchers

Users that want to conduct research through the University of Louisville



## Industry

Companies that want to fund research at the University of Louisville and connect with potential employees.



## Students

Students that want to connect with researchers and industry.



## Newsletter

See what exciting things the research and innovation department has accomplished!



## Events

Get connected with Louisville!

\$152,063,267 \$176,653,538 \$5,128,314

Awards received in 2019

Expenditures in 2018

Total Innovation Related  
Income

3/20/2020

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## News and Events Narrative

The News and Events page focuses on the relevant news about research being performed at the University of Louisville. The page immediately shows the most recent and important News and Announcements for the Research and Innovation Department. It also includes a place to share upcoming events related to the R&I department. To sum the News and Events page up we wanted to include the important stories about research being performed at the university and provide a place to show what events for the university are coming up.



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# News and Events

## News and Announcements

- [Research Awards](#)
- [COVID-19 Resources & FAQ Relating to Research](#)
- [Egyptian Students will earn UofL degrees with two new agreements](#)
- [Gardner begins role as UofL's new Research and Innovation Leader](#)
- [Pfizer Inc designates UofL first-of-its-kind Center of Excellence for epidemiological research](#)
- [UofL Reseacher making fuel from water and sunlight wins prestigious NSF award](#)
- [FY 2020 Six-month Effort Certification Reports](#)
- [Undergraduate Summer Research Program \(SROP\)](#)

[SEE MORE NEWS AND ANNOUNCEMENTS](#)

SPOTLIGHT

## Robotic Nurse Assistant to Help with Routine Tasks

Nurses put robot prototype through the paces, helping engineers improve design. With support from NSF, roboticist Dan Popa and a team of engineers and nurses at the University of Louisville are developing a new generation of assistive robots designed to help nurses care for patients in the hospital. The idea is to give nurses more time to focus on the critical thinking aspects of patient care.

[LEARN MORE](#)

Robotic nurse assistant to help with routine tasks -



## RESEARCH & INNOVATIVE SUCCESSES

University of Louisville Investigator Network is a community of researchers. Its mission is to foster and facilitate collaborations among researchers and trainees by creating an environment that values and supports investigators with diverse research interests. Its searchable database is the new home for

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querying expertise and  
establishing professional  
connections for team science.

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[VIEW FULL CALENDAR FOR EVENTS](#)

## Upcoming Events



### iRIS Training

Friday, March 20 at 2:00pm to  
3:30pm

Location: Delia B. Baxter Biomedical Research  
Building

Presented by Office of  
Sponsored Programs  
Administration (OSPA)



### iRIS Training

Friday, March 27 at 2:00pm to  
3:30pm

Location: Delia B. Baxter Biomedical Research  
Building

Presented by Office of  
Sponsored Programs  
Administration (OSPA)

**Office of the Executive Vice President for  
Research & Innovation**  
University of Louisville

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