Louisville Office of Research and Innovation

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Trace Matrix

A trace matrix is a document, in this case in the form of a table, used to assist in determining the completeness of a relationship by correlating any two baselined documents using a many-to-many relationship comparison. It is a tool to ensure that requirements are not lost during various stage of the system's development. This matrix is a Requirements Traceability Matrix, it will be used to check if the current project requirements are being met and ensure none are lost through the development of the website from start to finish. At the current stage of the development of the website, the matrix will compare the system requirements to the use case document.

Req num	Requirement Description	Use CaseID
1	The system will have applications for industry partners.	1
2	The system will have a(n) system for processing/accepting grants.	2,3
3	The system will have a system forward donations to appropriate sites.	4
4	The system will have a(n) system for researchers to manage projects (iris).	5
5	The system will have a(n) social media for r&i to interact with the community.	6
6	The system will allow administrators to track performance.	8
7	The system will have an area for current invitations r&i is working on.	9
8	The system will create/edit/delete individual pages for each stakeholder (student, researcher, industry, admin[illegible]mmunity).	10,11
9	The system will have support for industry (industry request form).	12
10	The system will create/edit/delete event opportunities.	13,14
11	The system will create student (undergraduate/graduate research proposal form)	15
12	The system will create licensing collaboration forms	16,17
13	The system will create startup partnership/collaboration forms	20,21
14	The system will have accessible forms for graduate students for funding opportunities (internal and external).	22
15	The system will allow administrators to maintain industry and community contacts list	24
16	The system will allow for collaborative efforts within the university of Louisville's different centers and institutes	25,26,27
17	The system will integrate current security measures provided by university of Louisville	39,40,41
18	The system will provide newsletters that vary in content and display daily.	7,28
19	The system will have improved navigation with new landing pages.	29,30,32
20	The system will have a portal available for legal affairs.	31
21	The system will have events that will be available for editing/deleting.	39,40,41
22	The system will have the ability to change your password.	36,37,38
23	The system will have the ability for tracking projects.	33,39,40, 41
24	The system will have surveys that can be sent and used for reporting.	42,43,44, 45
25	The system will have legal guidelines that will need to be met.	50,51,52
26	The system will have security requirements that will be enabled.	57,58,59
27	The system will allow for users to rsvp for events and make changes.	33,54,55, 56

Cardinal Development Strategic Group
Research & Innovation Center
Use Case Specification

Version 1.0

Revision History

Date	Version	Description	Author
18/03/2020	1.0	Initial Input	CDSG

Use Case Specification: <Create Newsletter>

1. Use-Case Name

Create Newsletter

1.1 Brief Description

This use case creates the content of the newsletter. Its information is provided by the various stakeholders

2. Flow of Events

2.1 Basic Flow

- The user connects to the internet
- The user is register to the University as an administrator
- The user login to the account
- The system verifies that both username and password match with the contents in the database
- The user is now logged into the system
- The user receives information from the researcher, students, community, and industry members
- The user enters related information
- The user publishes content into the newsletter
- Use case end

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

User is an administrator

5. Post-conditions

5.1 < Post-condition One >

A newsletter page is created

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: Edit Newsletter

1. Use-Case Name

Edit Newsletter

1.1 Brief Description

The users make updated information on the contents of the newsletter.

2. Flow of Events

2.1 Basic Flow

- The user connects to the internet
- The user is register to the University as an administrator
- The user login to the account
- The system verifies that both username and password match with the contents in the database
- The user is now logged into the system
- The user receives information from the researcher, students, community, and industry members
- The user enters new information
- The user saves the information
- The user publishes new content into the newsletter
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

User is an administrator

5. Post-conditions

5.1 < Post-condition One >

A newsletter is revised

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Delete Newsletter>

1. Use-Case Name

Delete Newsletter

1.1 Brief Description

The users delete the newsletter.

2. Flow of Events

2.1 Basic Flow

- The user connects to the internet
- The user is register to the University as an administrator
- The user login to the account
- The system verifies that both username and password match with the contents in the database
- The user is now logged into the system
- The user deletes newsletter
- The newsletter is deleted from the landing page
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

User is an administrator

5. Post-conditions

5.1 < Post-condition One >

A newsletter is deleted

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Create Newsletter Sign-up>

1. Use-Case Name

Create Newsletter Sign-up

1.1 Brief Description

This use case will allow the users to sign up for newsletters related to the Research & Innovation Center department. Any type of user is applied to this use case. This is information for the user to be updated about the events and news that is taking place

2. Flow of Events

2.1 Basic Flow

- The user enters home landing page
- The user clicks on subscribe
- The user selects mobile or email as a subscription information
- The user submits the application
- The user's request gets approve
- The user receives an email receipt
- The administrator sends out weekly or daily newsletter
- The users receive the weekend newsletter
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

User must have an email or phone number

5. Post-conditions

5.1 < Post-condition One >

The users receive updates of the newsletter from the Research Office of Innovation

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Opt-out Newsletter >

1. Use-Case Name

Opt-out Newsletter

1.1 Brief Description

Description: This allows the users to change and edit information about the events that they create

2. Flow of Events

2.1 Basic Flow

- The user login to their email or phone
- The user clicks on unsubscribe
- The user enters mobile number or email
- The user submits the application
- The user's request gets approve
- The user receives an email receipt
- The users are opt-out of the newsletter
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

User is subscribed with the newsletter

5. Post-conditions

5.1 < Post-condition One >

The users no longer receive updates of the newsletter from the Research Office of Innovation

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Create Events>

1.1 Brief Description

- This enables the users to create events.

2. Flow of Events

2.1 Basic Flow

- User enter username
- User enter password
- User enter login
- User enter event name
- User enter date
- User enter time
- User enter room or location of events
- A user submits the form
- User's request gets approve
- The user receives an email receipt
- Use case ends

2.2 Alternative Flows

2.2.1 < First Alternative Flow >

- The request for the creation of an event is denied.

2.2.1.1 < An Alternative Subflow >

- none

2.2.2 < Second Alternative Flow >

- none

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

- User contains some type of connection with UofL

4.1 < Pre-condition One >

5. Post-conditions

- The user is able to schedule an event.

5.1 < Post-condition One >

6. Extension Points

- none

6.1 <Name of Extension Point>

- none

Use Case Specification: <Edit Attendee >

1. Use-Case Name

Edit Attendee

1.1 Brief Description

This use case edits a list of attendees that is participating to specific events.

2. Flow of Events

2.1 Basic Flow

- The user clicks into corresponding landing page
- The user enters email address
- The user enter password
- The user select login
- The user's request to cancel the participation to an event
- The user edits information
- The user saves new changes
- The user receives an email about the changes made
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

None

5. Post-conditions

5.1 < Post-condition One >

The user edits information in the attendee list

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Delete Event>

1. Use-Case Name

Delete Event

1.1 Brief Description

This allows the users to delete or cancel information of the events that they create

2. Flow of Events

2.1 Basic Flow

- User enter username
- User enter password
- User enter login
- User select “delete event”
- User’s request gets approve
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

User had created an event

5. Post-conditions

5.1 < Post-condition One >

Users delete an event

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Create Attendee >

1. Use-Case Name

Create Attendee

1.1 Brief Description

This use case creates a list of attendees that are participating to specific events.

2. Flow of Events

2.1 Basic Flow

- The user clicks into a corresponding landing page
- The user register to participate for specific event
- The User enter first name
- The user enters last name
- The user enters email address
- The user submits the application
- The user's name is submitted to the administrator
- The user's request gets approve
- The user receives a confirmation receipt
- The administrator received a list of attendees
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

5. < Pre-condition One >

None

6. Post-conditions

6.1 < Post-condition One >

The user is enrolled in the attendee list

7. Extension Points

7.1 <Name of Extension Point>

None

Use Case Specification: <Edit Attendee >

1. Use-Case Name

Edit Attendee

1.1 Brief Description

This use case edits a list of attendees that is participating to specific events.

2. Flow of Events

2.1 Basic Flow

- The user clicks into corresponding landing page
- The user enters email address
- The user enter password
- The user select login
- The user's request to cancel the participation to an event
- The user edits information
- The user saves new changes
- The user receives an email about the changes made
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

None

5. Post-conditions

5.1 < Post-condition One >

The user edits information in the attendee list

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Delete Attendee >

1. Use-Case Name

Edit Attendee

1.1 Brief Description

This use case edits a list of attendees that is participating to specific events.

2. Flow of Events

2.1 Basic Flow

- The user clicks into corresponding landing page
- The user is login as the administrator
- The user's delete an attendee's information
- The attendee receives a confirmation email
- Use case ends

2.2 Alternative Flows

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

None

4. Pre-conditions

4.1 < Pre-condition One >

The attendee is in the attendee list

5. Post-conditions

5.1 < Post-condition One >

The user deletes an attendee in the list

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: Contact List

1. Use-Case Name

Create Contact

1.1 Brief Description

This use case will create a central repository of industry and community members' contact information. This is important for convenience; it will make forming partnerships with other members much easier. Industry and community members do not have to participate, it is optional. Participating users must, at minimum, enter their full name and e-mail address; business name, phone number and other information is optional.

2. Flow of Events

2.1 Basic Flow

1. User clicks on the Industry & Community tab.
2. User enters their first name.
3. User enters their last name.
4. User enters e-mail address.
5. User enters business/organization name [optional].
6. User enters 10+ digit phone number [optional].
7. User submits information.

2.2 Alternative Flows

2.2.1 The user enters a null value in a required field

Some fields require an entry. Furthermore, first and last names require a strict character input (non-numeric). A null value will return an error.

2.2.2 The user enters an invalid string of numbers in the phone number field.

The phone number field is optional. However, if the user does choose to provide the information, they must enter a valid 10-digit phone number. This field will allow for a maximum of 11 numbers (United States country code +1). A non-numeric or number outside of the allowed range will return an error.

Use Case Specification: Edit Contact

1. Use-Case Name

Edit Contact

1.1 Brief Description

This use case shows how a contact can be edited or updated once it has been created. If a user changes their phone number or email it should be easy for them to edit their displayed information. Also, if a user decides they want to add a business or organization name to their contact they can do so.

2. Flow of Events

2.1 Basic Flow

1. User clicks on the Industry & Community tab.
2. User clicks on the edit contact button.
3. User updates their information.

2.2 Alternative Flows

2.2.1 The user requests their contact be deleted.
To have a contact deleted it must first go through the administrator.

3. Special Requirements

3.1 Internet Connection

4. Pre-conditions

4.1 User must be logged-in to verify they are the holder of that contact.

5. Extension Points

5.1 <Name of Extension Point>

Use Case Specification: Delete Contact

1. Use-Case Name

Delete Contact

1.1 Brief Description

This use case shows how an administrator can delete an industry contact (upon request or error).

2. Flow of Events

2.1 Basic Flow

1. User [administrator] clicks on contact list file.
2. User clicks on manage file.
3. User deletes record.

3. Special Requirements

3.1 Internet Connection

4. Pre-conditions

4.1 User must confirm there are no duplicate records.

5. Post-conditions

5.1 The deleted record will not appear in the file.

6. Extension Points

6.1 <Name of Extension Point>

Use Case Specification: Create Password

1. Use-Case Name

Create Password

1.1 Brief Description

Part of becoming a registered user is creating a secure password.

2. Flow of Events

2.1 Basic Flow

1. User clicks the sign-up button.
2. User enters their first name.
3. User enters their last name.
4. User enters e-mail.
5. User enters their phone number.
6. User enters password.
7. User re-enters password.
8. User selects a security question.
9. User enters an answer to a security question.
10. User submits information.

2.2 Alternative Flows

2.2.1 Password is invalid.

An error will be returned for two reasons.

1. Password does not meet length and structure requirements. Passwords must be at least 7 digits and must contain at least one number.
2. The user's first entry and confirmation entry do not match for creating the password.

3. Special Requirements

3.1 Internet Connection

4. Extension Points

4.1 Email confirmation

After the user submits valid information, the account is created. A confirmation email is sent to the user's email entered.

Use Case Specification: Change Password

1. Use-Case Name

Change Password

1.1 Brief Description

Part of becoming a registered user is creating a secure password.

2. Flow of Events

2.1 Basic Flow

1. User clicks the log-in.
2. User enters username.
3. User enters password.
4. User submits credentials.
5. User accesses page.
6. User clicks the settings (gear) button.
7. User clicks “change password” option.
8. User enters current password.
9. User enters a new password.
10. User re-enters new password.
11. User receives confirmation email.

2.2 Alternative Flows

2.2.1 Password is invalid. Can happen when the user logs in, when they are prompted to enter their current password before changing, OR when they are confirming their new password.

An error will be returned for two reasons.

1. Password does not meet length and structure requirements. Passwords must be at least 7 digits and must contain at least one number.
2. The user’s first entry and confirmation entry do not match for creating the password.

3. Special Requirements

3.1 Internet Connection

4. Extension Points

4.1 Email confirmation

After the user submits valid information, the password is changed. A confirmation email is sent to the user’s email entered.

Use Case Specification: Create User

1. Use-Case Name

Create User

1.1 Brief Description

When a user wants to create their own log-in they must go through a registration process. Creating a user means you have access to a more personalized web page. Being a user means you can use features that non-users cannot.

2. Flow of Events

2.1 Basic Flow

1. User clicks the sign-up button.
2. User enters their first name.
3. User enters their last name.
4. User enters e-mail.
5. User enters their phone number.
6. User enters username.
7. User selects a security question.
8. User enters an answer to a security question.
9. User submits information.

2.2 Alternative Flows

2.2.1 Username is already in use.

When the user submits their information, an error will be returned if the username entered is already in use. The system will check with the database management system and it will confirm or deny.

2.2.2 Invalid entry

Input fields have requirements. Null values are not accepted. Usernames must be a minimum length.

3. Special Requirements

3.1 Internet Connection

4. Extension Points

4.1 Email confirmation

After the user submits valid information, the account is created. A confirmation email is sent to the user's email entered.

Use Case Specification: Delete User

1. Use-Case Name

Delete User

1.1 Brief Description

If a user decides they want to terminate their account they can do so without an administrator. This use case will delete the record from the database.

2. Flow of Events

2.1 Basic Flow

1. User clicks the log-in button.
2. User enters their username.
3. User enters their password.
4. Users submits credentials
5. User clicks the settings (gear) button.
6. User clicks “delete my account”.
7. User enters password.
8. User submits the password.
   Use case ends

2.2 Alternative Flows

2.2.1 Username is already in use.

When the user submits their information, an error will be returned if the username entered is already in use. The system will check with the database management system and it will confirm or deny.

2.2.2 Invalid entry

Input fields have requirements. Null values are not accepted. Usernames must be a minimum length.

3. Special Requirements

3.1 Internet Connection

4. Extension Points

4.1 Email confirmation

After the user submits valid information, the account is created. A confirmation email is sent to the user’s email entered.

Use Case Specification: Log-In

1. Use-Case Name

Log-In

1.1 Brief Description

To access the system as an authorized user, the user must log-in with their credentials. Once they log-in, their personalized page will appear.

2. Flow of Events

2.1 Basic Flow

1. User clicks the log-in button.
2. User enters username.
3. User enters password.
4. User submits credentials.

2.2 Alternative Flows

2.2.1 User enters wrong password or username

If the username and password combination do not match the record in the database, an error will be returned.

2.2.2 User forgot their password.

In the event the user forgets their password they will follow these steps:

1. User clicks “Forgot password?” button.
2. User follows instructions to reset password, resulting in an extension.

3. Special Requirements

3.1 Internet Connection

4. Pre-conditions

4.1 < Pre-condition One >

5. Post-conditions

5.1 < Post-condition One >

6. Extension Points

6.1 E-mail Extension

A user with a forgotten password will have to access their email offsite to reset their password.

Use Case Specification: <Create Project>

Brief Description

A research will create a new project that they want to work on

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User selects form
- User enters Information into the Form
- User submits form
- User project gets approved
- User get confirmation of project approved
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- User project is denied
- User receive confirmation of project denied

< An Alternative Subflow >

- None

< *Second Alternative Flow* >

- None

Special Requirements

< First Special Requirement >

Pre-conditions

- User must be a researcher at UofL

< Pre-condition One >

Post-conditions

- UofL Receives Info about the project

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Edit Project>

1.1 Brief Description

A Research will have the ability to add on to or change information on a project they are currently working on

2. Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User selects projects
- User selects the project they wish to edit
- User edits the project
- User saves the edits they made
- Use case ends

3. Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- User must be currently working on a project at UofL

< Pre-condition One >

Post-conditions

- The edits to the project will be saved on the database

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Delete Project>

Brief Description

An admin can delete a project if the project is no longer needed

Flow of Events

Basic Flow

- Admin enters iRIS
- Admin enter Username
- Admin enter Password
- Admin login
- Admin searches for the project
- Admin deletes the project
- Confirmation is sent to the admin
- Admin confirms
- deletion request is sent to a higher up
- Deletion request approved
- Project is deleted
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- request is denied

< An Alternative Subflow >

-

< *Second Alternative Flow* >

-

Special Requirements

< First Special Requirement >

Pre-conditions

- Project must currently be in the database

< Pre-condition One >

Post-conditions

- The project and information are deleted from iRIS (maybe saved somewhere?)

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name < Create Report >

Brief Description

A Research is tasked with creating a report of the current stage of development they are in on the project they are working on

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User clicks on Reports
- User enters information into dued reports
- User submits reports
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- Must be a researcher that is currently working on a project at UofL

< Pre-condition One >

Post-conditions

- Reports are sent to a higher up to see if the project is currently on track and worth the time and money.

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Edit Reports>

Brief Description

A research might have to edit a current report because of an error

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User clicks on Reports
- User goes to Submitted Reports
- User clicks on Report
- User updates Report
- Updated report is sent
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- Researcher must have a report already in the system

< Pre-condition One >

Post-conditions

- a previous report is sent with an updated version to avoid loss of information

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Delete Report>

Brief Description

An admin can delete a report if the report is unnecessary

Flow of Events

Basic Flow

- Admin enter System
- Admin enters Username
- Admin enters Password
- Admin login
- Admin searches for the report
- Admin deletes report

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- A report must be in the system
- Report must be needed to be deleted

< Pre-condition One >

Post-conditions

- Report is deleted from the system (maybe saved somewhere?)

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Create Study>

Brief Description

A student/Study Assistant can submit a request to be a part of a current project as a “Study”

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User clicks Create Study
- User files Forms
- User submits Forms
- User receive confirmation of approval
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- User is denied the Study

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- Must be a student/Study assistant at UofL

< Pre-condition One >

Post-conditions

- The user has entered their information into the system

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Edit Study>

Brief Description

A Student/Study assistant can edit minor information of the study they are a part of.

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User clicks Current Studies
- User edits Study
- Use Case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- The Student/study assistant must be a part of a current study

< Pre-condition One >

Post-conditions

- The information on the study is edited

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Delete Study>

Brief Description

An Admin can delete a study if the Study is no longer necessary

Flow of Events

Basic Flow

- Admin enters system
- Admin enters Username
- Admin enters password
- Admin searches for the Study
- Admin deletes Study
- Use case end

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- A study must need to be deleted

< Pre-condition One >

Post-conditions

- The study is deleted from iRIS (maybe saved somewhere?)

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Create Study Renewal>

Brief Description

If a student/study assistant wishes to continue working on a study they can submit a renewal

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User clicks Study Renewal
- User creates a Study Renewal
- User enters Information
- User submits Study Renewal
- User request is approved
- User is notified of approval
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- User is denied a Renewal

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- The Study Assistant must have been a part of a study and their time on the project has expired

< Pre-condition One >

Post-conditions

- The User

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Edit Study Renewal>

Brief Description

The User can edit the study renewal they sent if they forgot an information

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User clicks Study Renewal
- User Select Pending Renewals
- User updates the information they provided
- Use Case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- A study renewal must have previously been sent

< Pre-condition One >

Post-conditions

- The information in the study is updated

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Delete Study Renewal>

Brief Description

An admin can delete a Study Renewal

Flow of Events

Basic Flow

- Admin enters System
- Admin Enters Username
- Admin Enters Password
- Admin login
- Admin searches for Study Renewal
- Admin Deletes Study Renewal
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- A study Renewal Request must need to be deleted/sent

< Pre-condition One >

Post-conditions

- The Request is deleted

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Create Survey>

Brief Description

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User Clicks Surveys
- User Creates Surveys
- Use Case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- Must be a researcher at UofL with a current project

< Pre-condition One >

Post-conditions

- Survey is created

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Edit Survey>

Brief Description

An admin can edit previously made surveys

Flow of Events

Basic Flow

- Admin enters System
- Admin Enters Username
- Admin Enters Password
- Admin login
- Admin searches for the Survey
- Admin Edits Survey
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- Survey must be already in the system

< Pre-condition One >

Post-conditions

- The survey is edited

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <delete Survey>

Brief Description

Flow of Events

Basic Flow

- Admin enters System
- Admin Enters Username
- Admin Enters Password
- Admin login
- Admin searches for Survey
- Admin deletes survey

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- the survey must already be in the system

< Pre-condition One >

Post-conditions

- none

< Post-condition One >

Extension Points

<Name of Extension Point>

Use-Case Name <Submit Survey>

Brief Description

User submits their survey

Flow of Events

Basic Flow

- User enters iRIS
- User enters Username
- User enters Password
- User login
- User clicks Surveys
- User submits Survey
- Use case ends

Alternative Flows

< *First Alternative Flow* >

- none

< An Alternative Subflow >

- none

< *Second Alternative Flow* >

- none

Special Requirements

< First Special Requirement >

Pre-conditions

- Survey must have been created

< Pre-condition One >

Post-conditions

- survey is submitted

< Post-condition One >

Extension Points

<Name of Extension Point>

Use Case Specification: <Create Form>

1. Use-Case Name: Create form

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is Office of Research and Innovation website, does when creating a form. The system needs to allow an administrator the ability to create a form and stores that grant in the database. Thus, the relevant stakeholder will be able to apply for grants using the forms. It also will provide the administrator centralized view of the form's status, dialog

2. Flow of Events

2.1 Basic Flow

1. The Administrator Selects Forms Tab
2. The Administrator Clicks Create Form Button.
3. System Displays A Displays A Window Form.
4. The Administrator Enters Form Name.
5. The Administrator Clicks New Attribute Button.
6. The System Displays A Displays A Window Form.
7. The Administrator Enters Attribute's Name.
8. The Administrator Selects Attribute Data Type.
9. The Administrators Selects Character Limit.
10. The Administrator Clicks Ok.
11. The Administrator Repeats Until Form Requirements Are Fulfilled.
12. The System Validates Information Entered By The Administrator.
13. The Administrator Submits The Record.
14. The System Creates A New Form Record In The Database.

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 >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and access the form tab

5. Post-conditions

The system has created a form object

5.1 < Post-condition One >

6. Extension Points

None

6.1 <Name of Extension Point>

None

Use Case Specification: <Edit Form>

1. Use-Case Name: Edit Form

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is Office of Research and Innovation website, does when editing a form. The system needs to allow an administrator the ability to edit a form and updates the database. Thus, the relevant stakeholders will be able access relevant up to date forms and keep track of the form's status. It also will provide the administrator the ability to alter the attributes of the form.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Selects The Edit Form Button.
2. The System Displays A Window Form
3. The Administrator Selects The Form To Be Edited
4. The System Displays A Window Form
5. The Administrator Selects The Field To Edit.
6. The Administrator Alters The Field.
7. The System Validates The Edits.
8. The Administrator Clicks OK.
9. The System Confirms the Edits Are To Be Made.
10. The Administrator Submits The Edits.
11. The System Updates The Database Record

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 >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and accessed the form tab

5. Post-conditions

5.1 < Post-condition One >

The system has edited the form

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Delete Form>

1. Use-Case Name: Delete Form

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is Office of Research and Innovation website, does when deleting a form. The system needs to allow an administrator the ability to delete a form and update the database. Thus, the relevant stakeholders will have updated information on forms available to them and administrator has the ability to delete the forms that are no longer viable

2. Flow of Events

2.1 Basic Flow

1. The Administrator Selects Delete Form Button.
2. The System Displays A Window Form.
3. The Administrator Selects The Form To Be Deleted
4. The Administrator Clicks OK Button
5. The System Validates The Deletion
6. The System Confirms The Form Is To Be Deleted
7. The Administrator Submits Deletions Request.
8. System Deletes The Form Record

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 >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and accessed the form tab

5. Post-conditions

5.1 < Post-condition One >

The system has deleted the form record

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Create Recovery>

1. Use-Case Name: Create Recovery

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is the Office of Research and Innovation website, does when creating a new recovery point. The system needs to allow an administrator the ability to create a recovery in order ensure information integrity and to allow recovery in event of system failure or disaster. It also will provide the administrator centralized view on what data can be restored.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks Recovery Button
2. The System Displays A Window Form.
3. The Administrator Select Backup Media
4. The Administrator Selects Recovery Date
5. The Administrator Selects The Time
6. The System Validates User's Input
7. The Administrator Clicks Ok Button
8. The Administrator Submits Record
9. The System Creates A New Recovery Record

2.2 Alternative Flows

2.2.1 < First Alternative Flow >

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < Second Alternative Flow >

None

3. Special Requirements

3.1 < First Special Requirement >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and accessed the backup tab

5. Post-conditions

5.1 < Post-condition One >

The system has created a backup file

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Edit Recovery>

1. Use-Case Name: Edit Recovery

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is the Office of Research and Innovation website, does when editing a recovery point. The system needs to allow an administrator the ability to create a recovery in order ensure information integrity and to allow recovery in event of system failure or disaster. It also will provide the administrator centralized view on what data can be restored.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks Edit Recovery Button.
2. The System Displays A Window Form.
3. The Administrator Selects Recovery Point To Be Edited.
4. The System Displays A Window Form.
5. The Administrator Clicks On The Attribute To Be Edit.
6. The Administrator Edits The Attribute.
7. The Administrator Clicks OK Button.
8. The Administrator Repeats Process Until Satisfied
9. The System Validates User's Input
10. The Administrator Clicks Ok Button
11. The Administrator Submits Record
12. The System Updates Recovery Record

2.2 Alternative Flows

2.2.1 *< First Alternative Flow >*

2.2.1.1 < An Alternative Subflow >

None

2.2.2 *< Second Alternative Flow >*

None

3. Special Requirements

3.1 < First Special Requirement >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and accessed the backup tab

5. Post-conditions

5.1 < Post-condition One >

The system has created a backup file

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Delete Recovery>

1. Use-Case Name: Delete Recovery

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is Office of Research and Innovation website, does when deleting a pre-existing recovery point file. The system needs to allow an administrator the ability to delete a recovery point file in response to a change in policy, regulation, system's software or hardware, or cost limitation.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks Delete Recovery Point Button.
2. The System Displays A Window Form.
3. The Administrator Selects The Backup File To Be Deleted.
4. The System Validates Use's Input.
5. The Administrator Clicks The OK Button.
6. The System Confirms The File Is To Be Deleted.
7. The Administrator Submit The File To Be Deleted.
8. The System Successfully Deletes The Record.

2.2 Alternative Flows

2.2.1 < *First Alternative Flow* >

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < *Second Alternative Flow* >

None

3. Special Requirements

3.1 < First Special Requirement >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and access the backup tab

5. Post-conditions

5.1 < Post-condition One >

The system has deleted the recovery point file

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Create Grant>

1. Use-Case Name: Create Grant

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is the Office of Research and Innovation website, does when creating a grant. The system needs to allow an administrator the ability to create a grant, and store that grant in the database. Thus, the relevant stakeholder will be able access relevant information about the grant and keep track grants status. It also will provide the administrator a centralized view of the grant's status.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks Create Grant Button.
2. The System Displays Windows Form.
3. The Administrator Enters Grantor's Name.
4. The Administrator Enters Grantee's Name.
5. The Administrator Enters The Name Of The Grant.
6. The Administrator Enters The Amount Of The Grant.
7. The Administrator Enters The Issue Date Of The Grant.
8. The Administrator Enters The Grantee Account Number.
9. The Administrator Enters The Grantor's Stipulations.
10. The System Validates Information.
11. The Administrator Submits The Record.
12. The System Creates A New Grant Record In The Database.

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 >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and access the grant tab

5. Post-conditions

5.1 < Post-condition One >

The system has created a grant object

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Edit Grant>

1. Use-Case Name: Edit Grant

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is Office of Research and Innovation website, does when editing a grant. The system needs to allow an administrator the ability to edit a grant, and store those edits in the database. Thus, the relevant stakeholders will be able access relevant information about the grant and keep track of the grant's status. It also will provide the administrator the ability to alter the attributes of the grant.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks The Edit Grant Button.
2. The System Displays Windows Form.
3. The Administrator Selects The Grant To Be Edited.
4. The System Displays Windows Form.
5. The Administrator Selects The Field To Edited.
6. The Administrator Alters The Field.
7. The System Validates The Edits.
8. The Administrator Clicks The Ok Button.
9. The System Confirms The Edits Are To Be Made.
10. The Administrator Submits The Edits
11. The System Updates The Grant

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 >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and accessed the grant tab

5. Post-conditions

5.1 < Post-condition One >

The system has edited the grant

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Delete Grant>

1. Use-Case Name: Delete Grant

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is the Office of Research and Innovation website, does when deleting a grant. The system needs to allow an administrator the ability to delete a grant and update the database. Thus, the relevant stakeholders will have updated information on grants available to them and an administrator can delete the grants that are no longer viable.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks The Delete Grant Button.
2. The System Displays A Window Form.
3. The Administrator Selects The User.
4. The Administrator Selects The Grant.
5. The Administrator Clicks The OK Button.
6. System Validates The Deletion.
7. System Confirms The Grant Is To Be Deleted.
8. Administrator Submits The Grant To Be Deleted.
9. System Updates The Database.

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 >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and accessed the grant tab

5. Post-conditions

5.1 < Post-condition One >

The system has deleted the grant record

6. Extension Points

None

6.1 <Name of Extension Point>

None

Use Case Specification: <Create Backup>

1. Use-Case Name: Create Backup

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is the Office of Research and Innovation website, does when creating a new backup file. The system needs to allow an administrator the ability to create a backup in order ensure information integrity and to allow recovery in event of system failure or disaster. It also will provide the administrator centralized view on what data is duplicated and backed up.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks Create Backup Button
2. The System Displays A Windows Form.
3. The Administrator Enters Backup Name
4. The Administrator Selects Backup Start Date
5. The Administrator Selects Backup Interval
6. The Administrator Select Data To Be Stored
7. The Administrator Selects Destination
8. System Validates User's Input
9. The Administrator Clicks Create Backup
10. System Creates New Backup Record.

2.2 Alternative Flows

2.2.1 < *First Alternative Flow* >

2.2.1.1 < An Alternative Subflow >

1. System

2.2.2 < *Second Alternative Flow* >

None

3. Special Requirements

3.1 < First Special Requirement >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and accessed the backup tab

5. Post-conditions

5.1 < Post-condition One >

The system has created a backup file

6. Extension Points

6.1 <Recovery>

Extends to Creating to a Recovery Point

Use Case Specification: <Edit Backup>

1. Use-Case Name: Edit Backup

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is Office of Research and Innovation website, does when editing a pre-existing backup file. The system needs to allow an administrator the ability to edit a backup file in response to a change in policy, regulation, or system's software or hardware. In this way system will able to ensure information integrity, maintain legality or adapt to a system update or change.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks Edit Backup Button
2. The System Displays A Window Form.
3. The Administrator Clicks On The Attribute To Be Edit
4. The Administrator Edits The Attribute
5. The System Validates User's Input
6. The Administrator Clicks Ok
7. The Administrator Repeats Process Until Satisfied
8. The Administrator Submits Edits
9. System Updates Record.

2.2 Alternative Flows

2.2.1 *< First Alternative Flow >*

2.2.1.1 < An Alternative Subflow >

None

2.2.2 *< Second Alternative Flow >*

None

3. Special Requirements

3.1 < First Special Requirement >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and access the backup tab

5. Post-conditions

5.1 < Post-condition One >

The system has created a backup

6. Extension Points

6.1 <Name of Extension Point>

None

Use Case Specification: <Delete Backup>

1. Use-Case Name: Delete Backup

1.1 Brief Description

This use case's purpose is to convey what the administrator and system, which is the Office of Research and Innovation website, does when deleting a pre-existing backup file. The system needs to allow an administrator the ability to delete a backup file in response to a change in policy, regulation, system's software or hardware, or cost limitation. In this way the system will backup files that can adapt in a dynamic environment of today.

2. Flow of Events

2.1 Basic Flow

1. The Administrator Clicks Edit Backup Button.
2. The System Displays A Window Form.
3. The Administrator Selects The Backup To Be Edited.
4. The System Displays A Window Form.
5. The Administrator Clicks On The Attribute To Be Edit.
6. The Administrator Edits The Attribute.
7. The System Validates User's Input.
8. The Administrator Clicks Ok.
9. The Administrator Repeats Process Until Satisfied
10. The Administrator Submits Edits
11. The System Updates Record.

2.2 Alternative Flows

2.2.1 < *First Alternative Flow* >

2.2.1.1 < An Alternative Subflow >

None

2.2.2 < *Second Alternative Flow* >

None

3. Special Requirements

3.1 < First Special Requirement >

The administrator must have reliable access to the internet

4. Pre-conditions

4.1 < Pre-condition One >

The administrator has logged onto the website and access the backup tab

5. Post-conditions

5.1 < Post-condition One >

The system has deleted a backup file

6. Extension Points

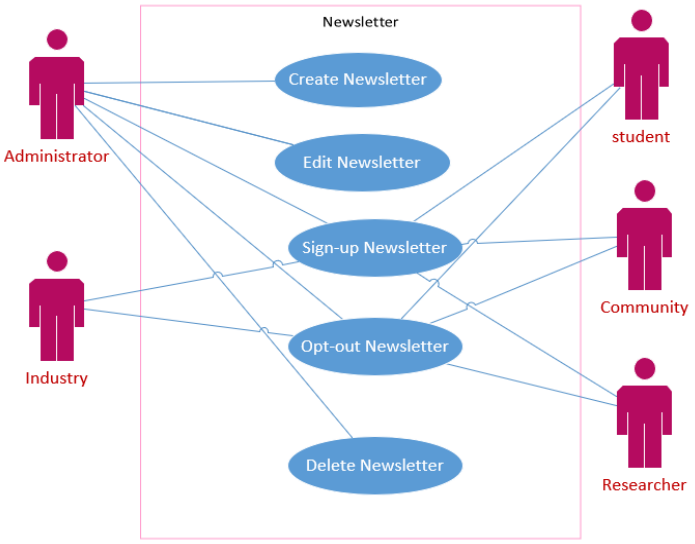
6.1 <Name of Extension Point>

None

Case diagrams

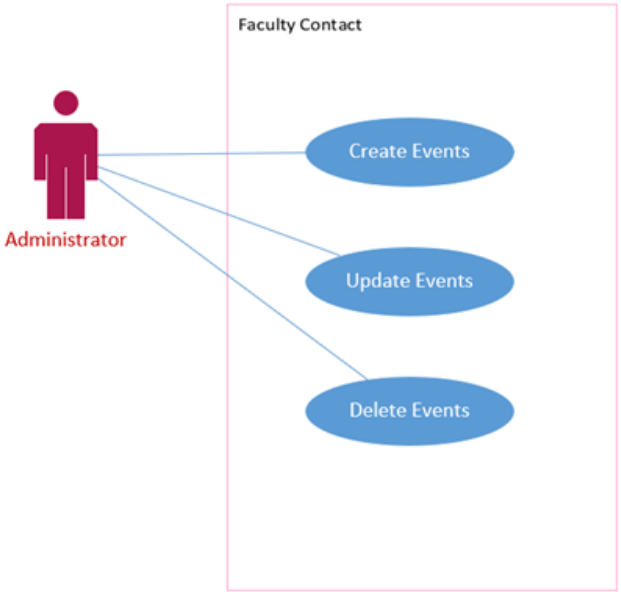
Create newsletter, delete newsletter, edit newsletter

This use case diagram shows that all of the stakeholders such as administrator, industry, student, researcher, and community member. Only the administrator will be able to create, edit, and delete newsletters while the rest of the stakeholders are able to sign-up or opt-out of the newsletter with a mobile number or email address.



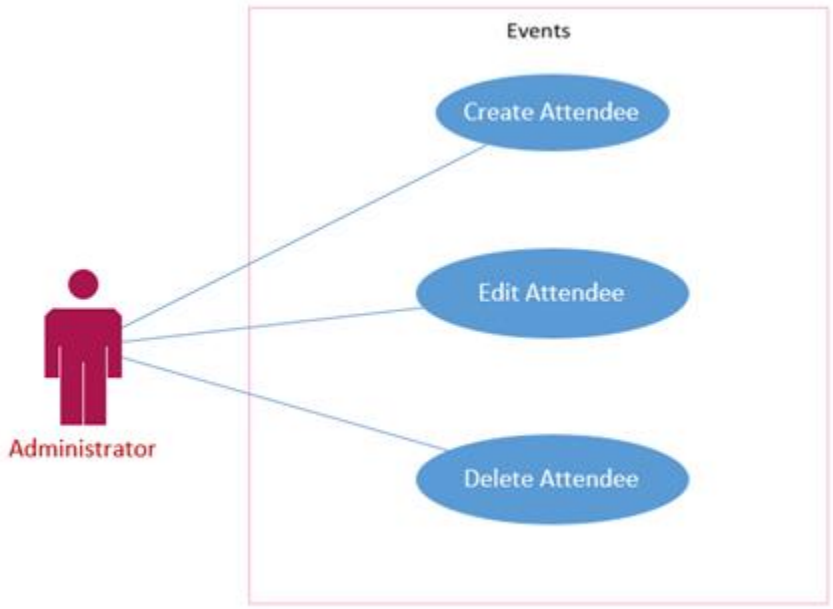
Create event, edit events, delete events, store events

This diagram shows that the primary actor of the use case is the administrator which they are able to create, edit, and delete events. The administrator receives an application from the other users and then approves their request of creating events.



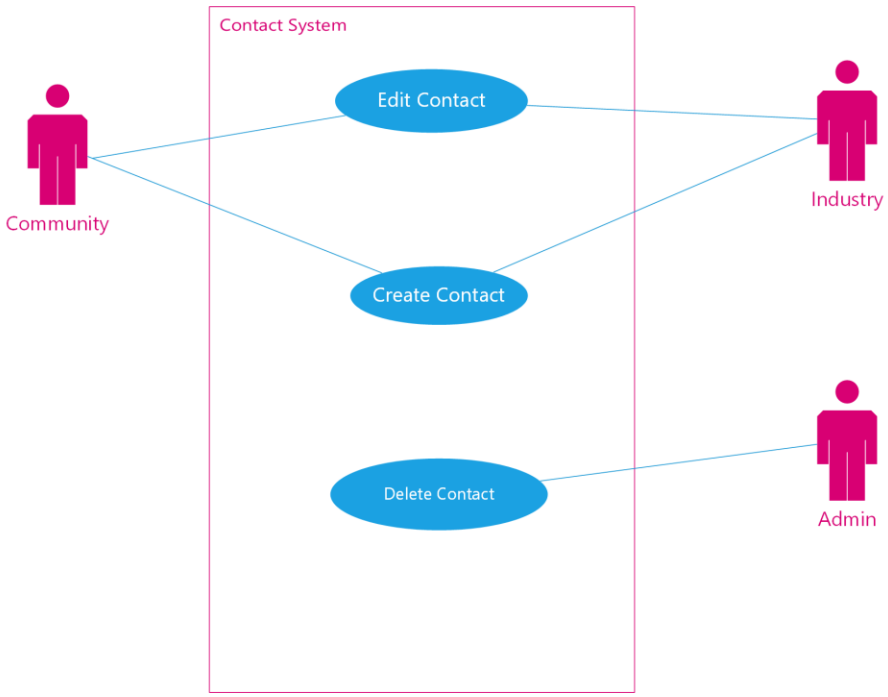
Create attendee, delete attendee, edit attendee

This use case shows that all the stakeholders are able to create, edit, and delete attendee lists. They will submit requests to participate in an event and then their names get submitted into the attendee list. All the users will be able to edit information of the event or delete the event. Finally, all the users will receive a confirmation email every time a change is made.



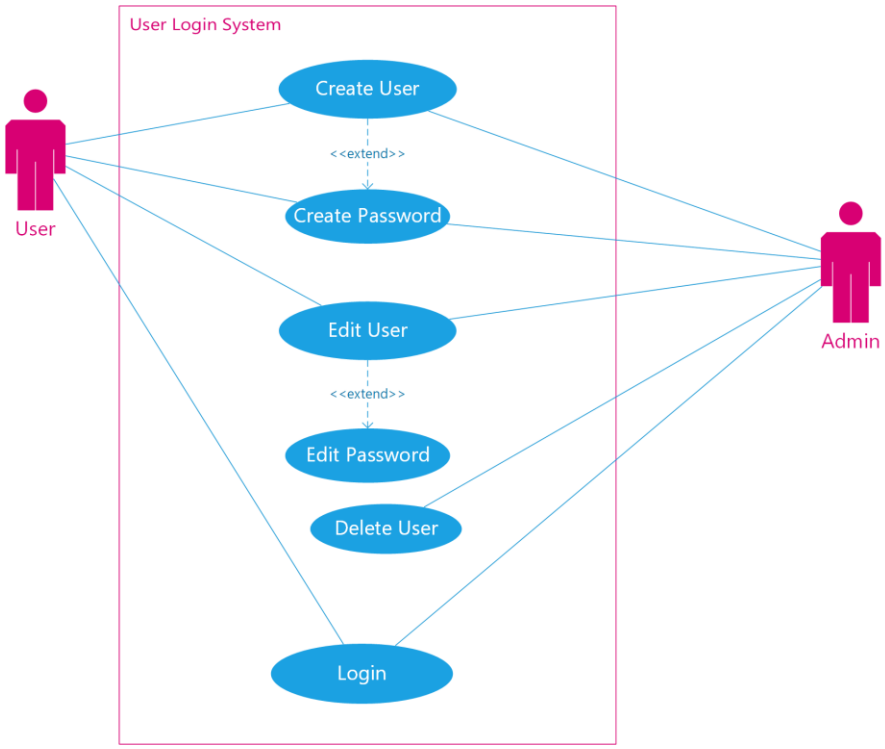
Create, edit, delete contact list

Diagram for managing contacts. We need a centralized list to make it convenient for industry/community members to network and collaborate (for the ones that want to participate).Administrators will be responsible for approving and deleting the contacts. The user will be responsible for entering and editing their information.



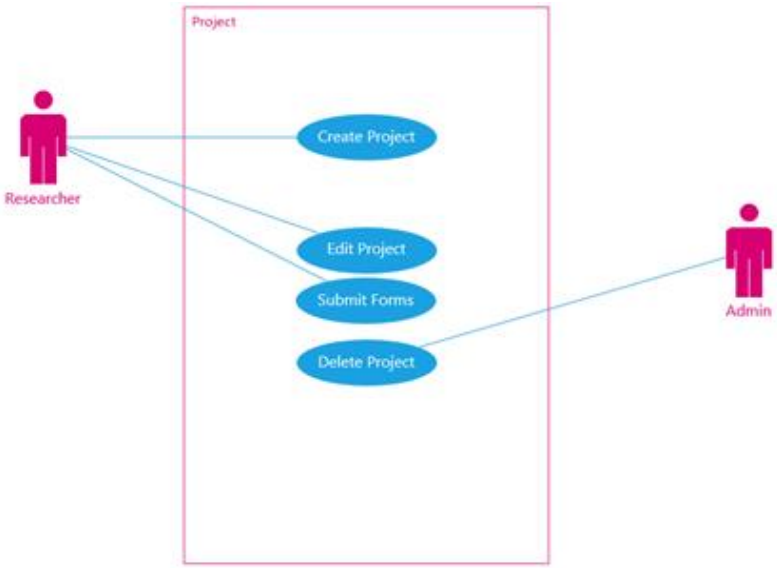
Create, edit, delete users, create password, edit password, delete password, login

Diagram for creating a new user. Returning users can keep track of projects, forms and other information easily. Creating an account simply requires a unique username and secure password. A user can edit their account at any time. They can change their email associated with the account, add information about themselves or business/organization. The user can request to delete their account if they wish to terminate.



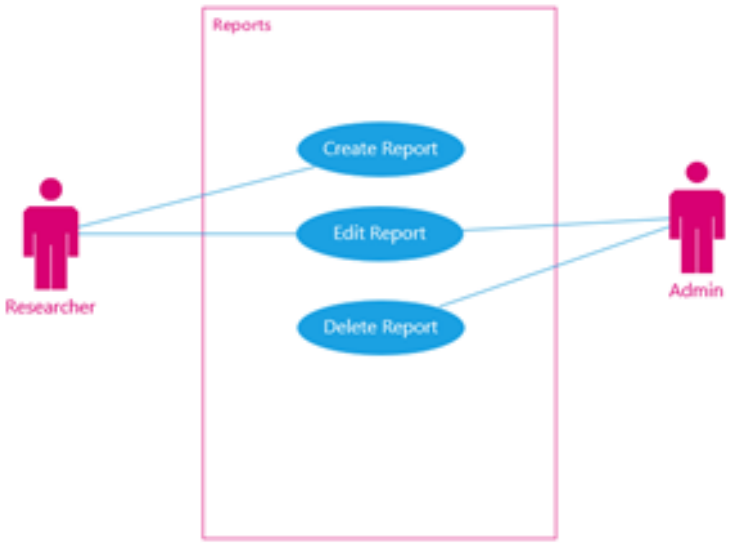
Create project, edit project, delete project

This diagram shows that the researcher will have the ability to create a new project they wish to work on, edit an existing project they are a part of and file any forms needed to start or continue the project. The diagram also shows that an admin will be the only person able to delete current and previous projects. This is to avoid any loss of information if a researcher decides to delete an entire project.



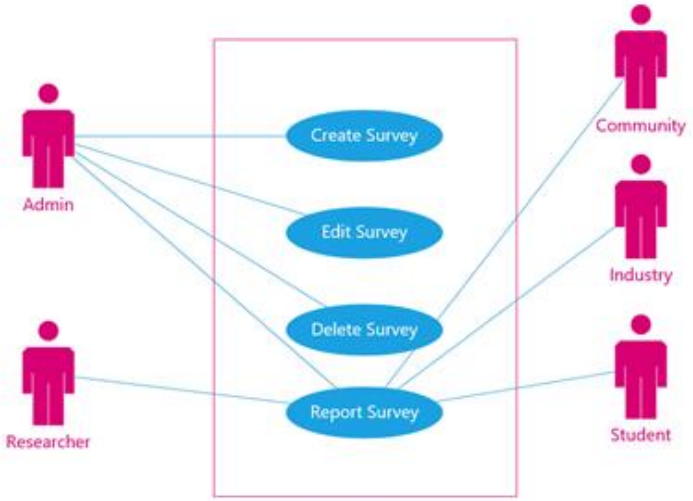
Create reports, edit report, delete report

This diagram shows that when creating a report over a current project the researcher is able to create the report and edit it and an admin can edit the reports and is the only one able to delete them; this is so that a researcher can delete all of the reports they have sent off.



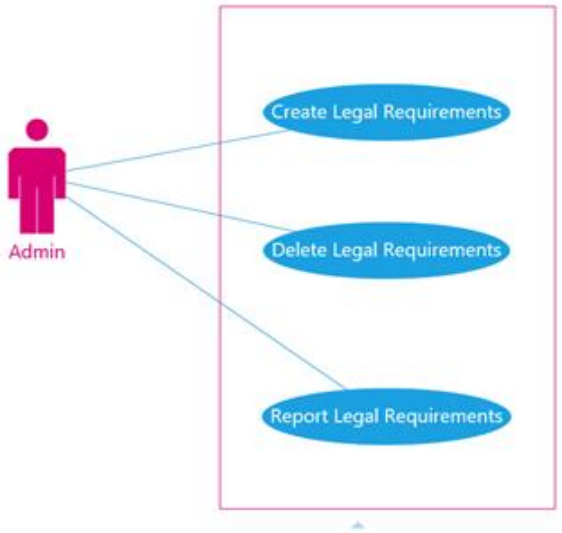
Create survey, delete survey, edit survey, report survey

This diagram shows that when creating a survey, the Admin is able to create the report, edit it and delete them; this is so that all other users can report the survey without being able to modify it.



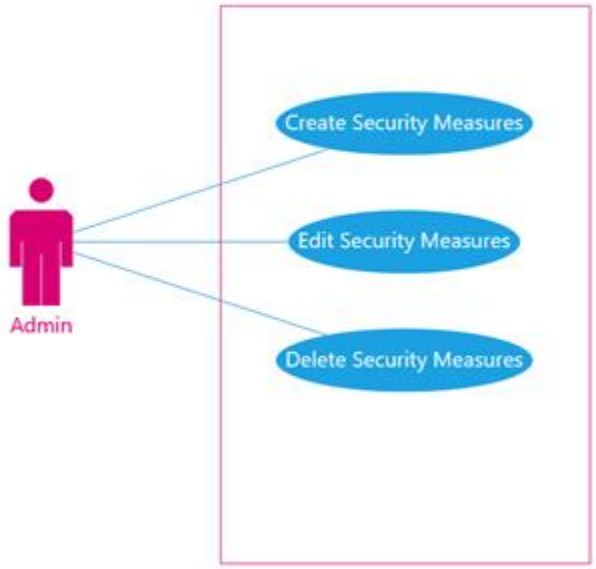
Create, edit, delete legal guideline

This diagram shows that when creating a legal requirement, the Admin is able to create the requirement, edit it and delete them when necessary.



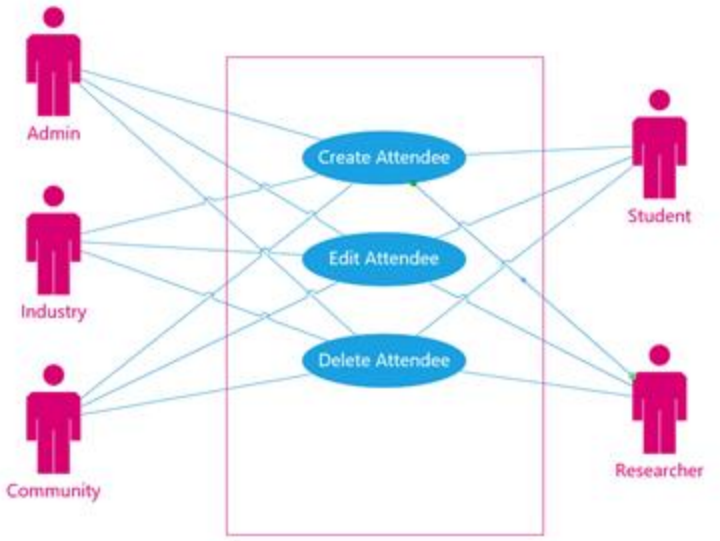
Create, edit, delete security measures

This diagram shows that when creating a security measure, the Admin is able to create the measure, edit it and delete them as needed for rollback of the system.



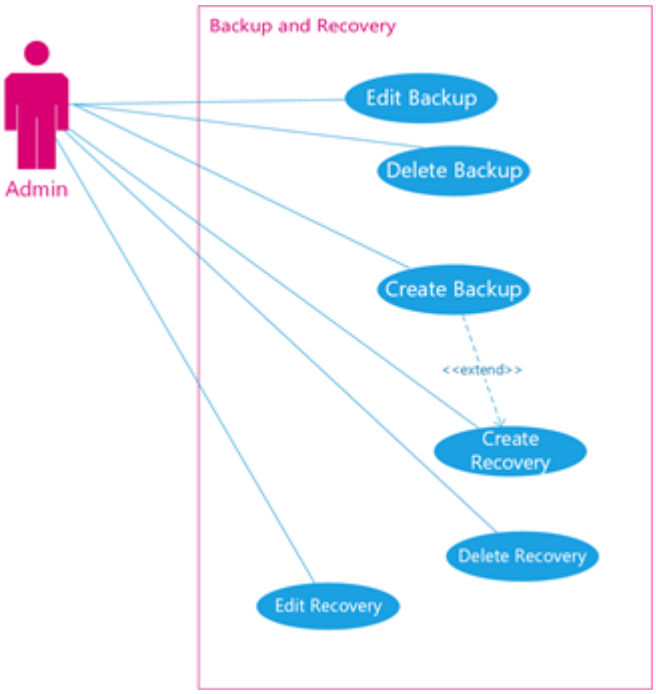
Create, edit, delete event registrations

This diagram shows that when creating an attendee all users will be able to create the attendee, edit it and delete them as necessary for mistakes.



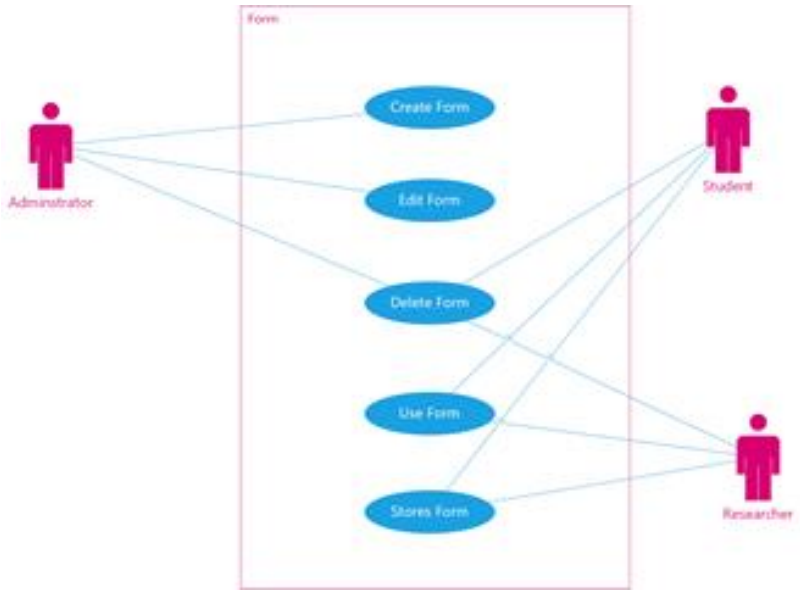
Create, edit, delete recovery/backup

This use case diagram depicts how backups and recovery will be conducted within the website. Users with administrators' privilege will be able create backups, edit attributes of the backup such as intervals or schedule time. The Admin will also be able to perform backup maintenance with ability to delete previously created backup files. Creations of Backup files allow the Admin to create recovery points (which store the current state of the data system) and allow the website recover data in the event of a disaster or data loss.



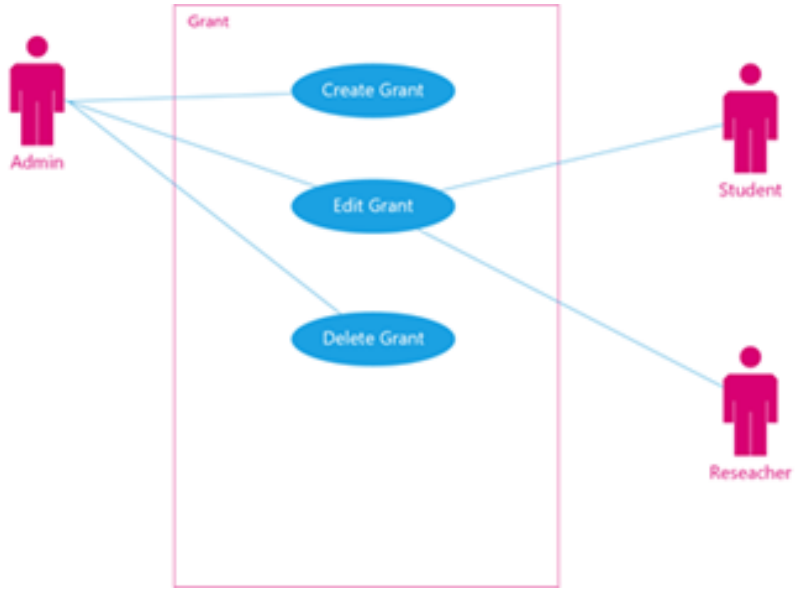
Create form, edits form, deletes form

This use case diagram depicts how a User with Admin privileges will be to create, edit and delete forms no matter what the situation calls for. Whether it be creating newsletter or event signup, collaboration form for industry or applications for funding. It also depicts how other stakeholders will be able to fill out forms, submit them or store them so they can edit said forms if they have time constraints as well as keep track of their interactions with the website.

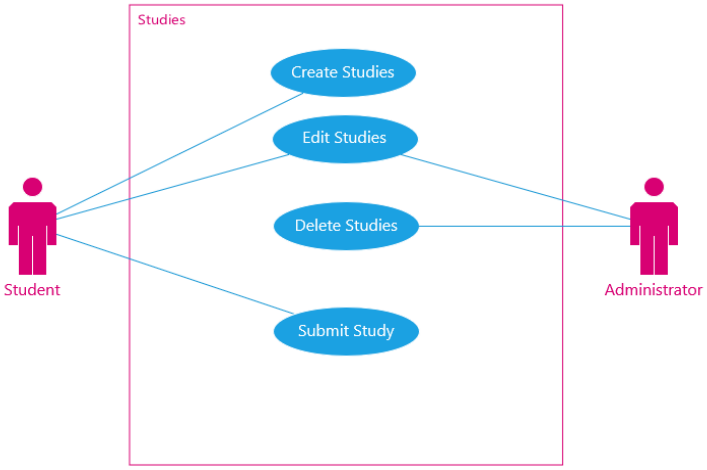


Create grant, delete grant, edit grant

This use case diagram depicts how a user with Admin privileges will be to create, edit and delete an object called grants. This object will store metadata that will allow Researchers and students who have been awarded grants the ability to track and manage their grants from a secure web page within the website.

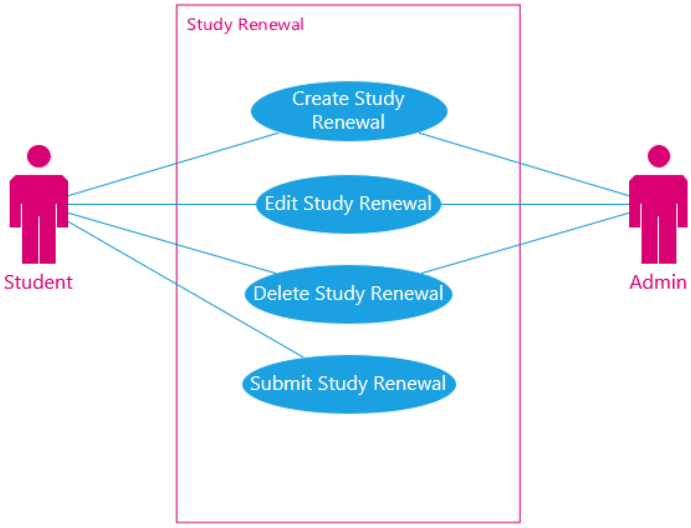


Create a study, edit a study, delete a study
This diagram shows that a student has the ability to create a new study and edit the study and submit the study and an admin is the only person with the ability to delete the study but can also edit them if information is provided but is not on the study.



Create study renewal, edit study renewal, delete study renewal

A student has the ability to create a study renewal for when they wish to continue a study they can also edit the study renewal and delete the study renewal if they don't wish to continue with the study. An admin can create study renewals, edit, and delete them at the request of a student/researcher.



Gantt Chart

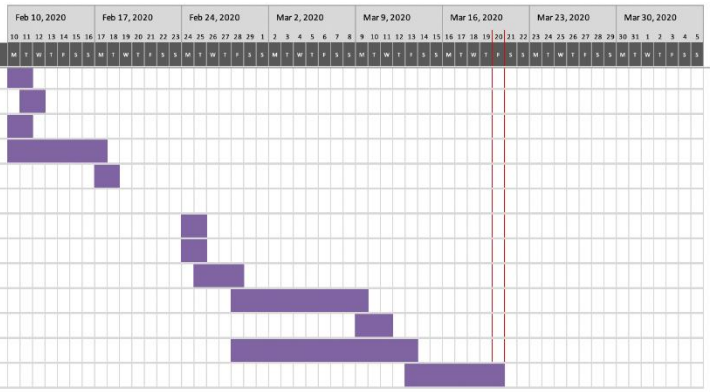
Iteration III Gantt Chart

Cardinal Strategic Development Group

Project Start: Thu, 2/6/2020

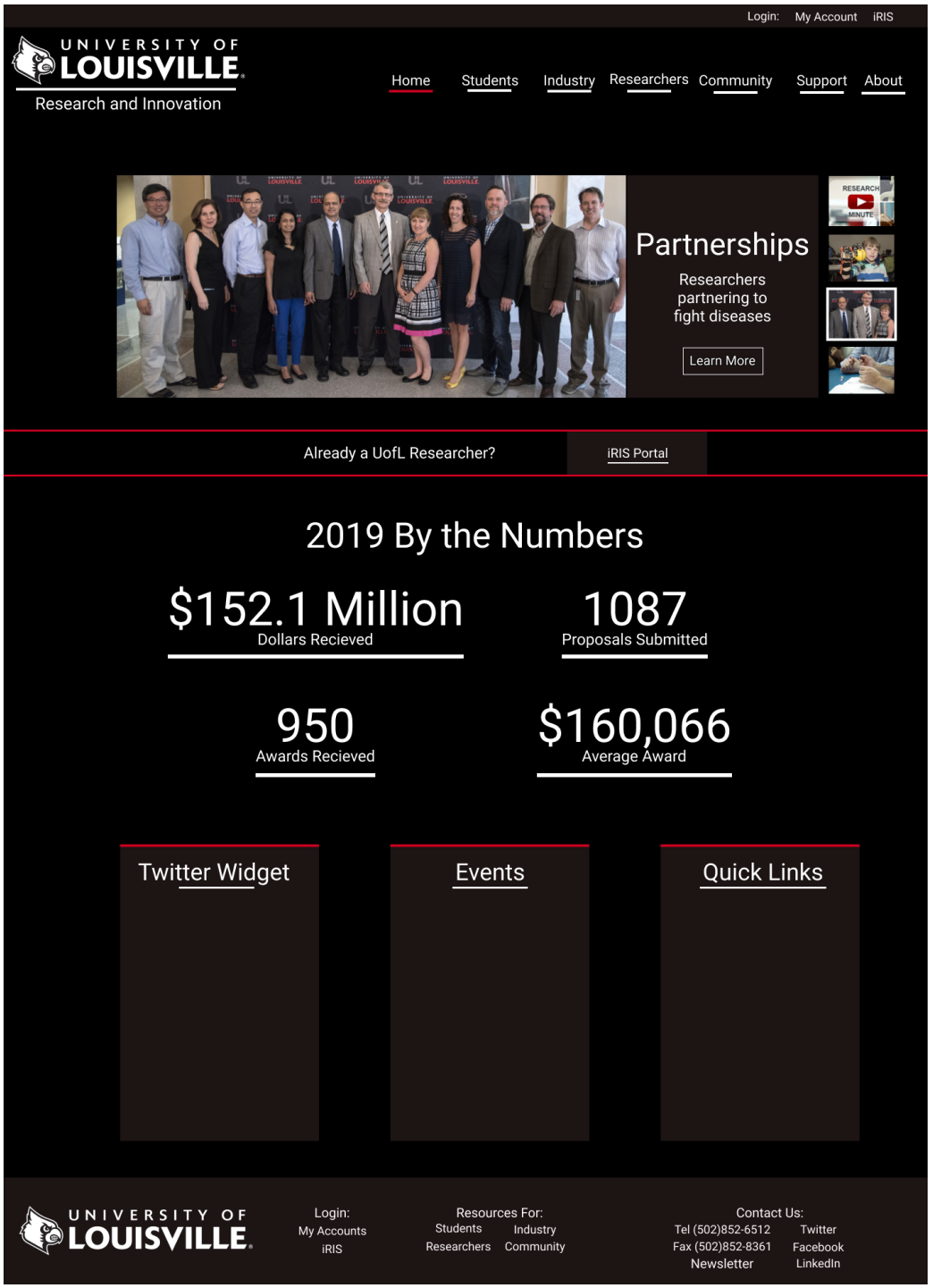
Display Week: 2

TASK	ASSIGNED TO	Task ID	Completion	START	END	DAYS
Identify use cases	Dean	103	100%	2/9/20	2/11/20	3
Architecture considerations	Daniel	104	100%	2/11/20	2/12/20	2
Risk analysis	Queena	105	100%	2/9/20	2/11/20	3
Create prototype	Daniel & Isaac	106	100%	2/10/20	2/17/20	8
Vision document revisions	Hasan	107	100%	2/17/20	2/18/20	2
Iteration III						
Update Gantt Chart	Durian	201	100%	2/24/20	2/25/20	2
Identify high risk items (inception phase)	Queena & Dean	202	100%	2/24/20	2/25/20	2
High risk use cases	Queena & Dean	203	100%	2/25/20	2/28/20	4
Use Case Diagram	Hasan & Trey & Durian	204	100%	2/28/20	3/9/20	11
Create Trace Matrix	Dean	205	100%	3/9/20	3/11/20	2
Use Case prototype V1	Isaac	206	100%	2/28/20	3/13/20	15
Compile and edit all documents	Everyone	207	100%	3/13/20	3/20/20	8



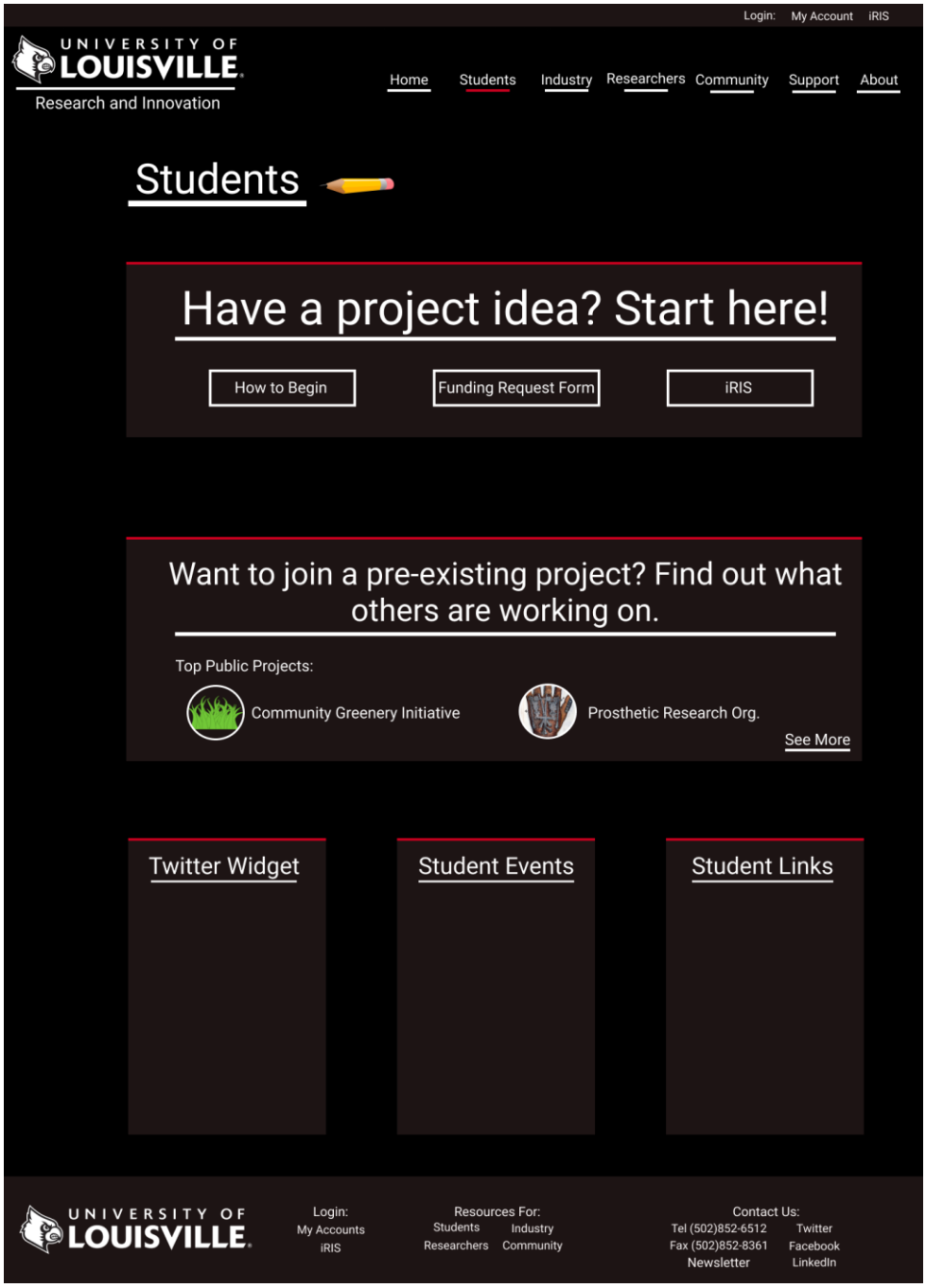
Prototypes - Front Page

Upon arriving at the front page in the top left the UofL logo and the text Research and innovation are displayed. A login, My Account and iRIS portal link are included at the very top. A simple NAV cluster is also included with a highlighted red bar indicating which page the user is on. Below this we have a slideshow of news images and text. The most important news will go here. Moving below this we have another small link to the iRIS portal which may be removed once it is phased out entirely. Below the portal link there is a section for statistics which will showcase UofL's achievements in the latest year of research. This will serve as marketing to draw visitors in and make them more likely to work with us with funding. Below this we have 3 sections for a twitter news widget, events and quick links. This area can also be replaced with a plethora of other content ideas if need be, this is just an example of things that could potentially go here. Finally in the footer of the doc we have the UofL logo, login links, resource links and contact us information. This footer will remain standard on all pages of the site.



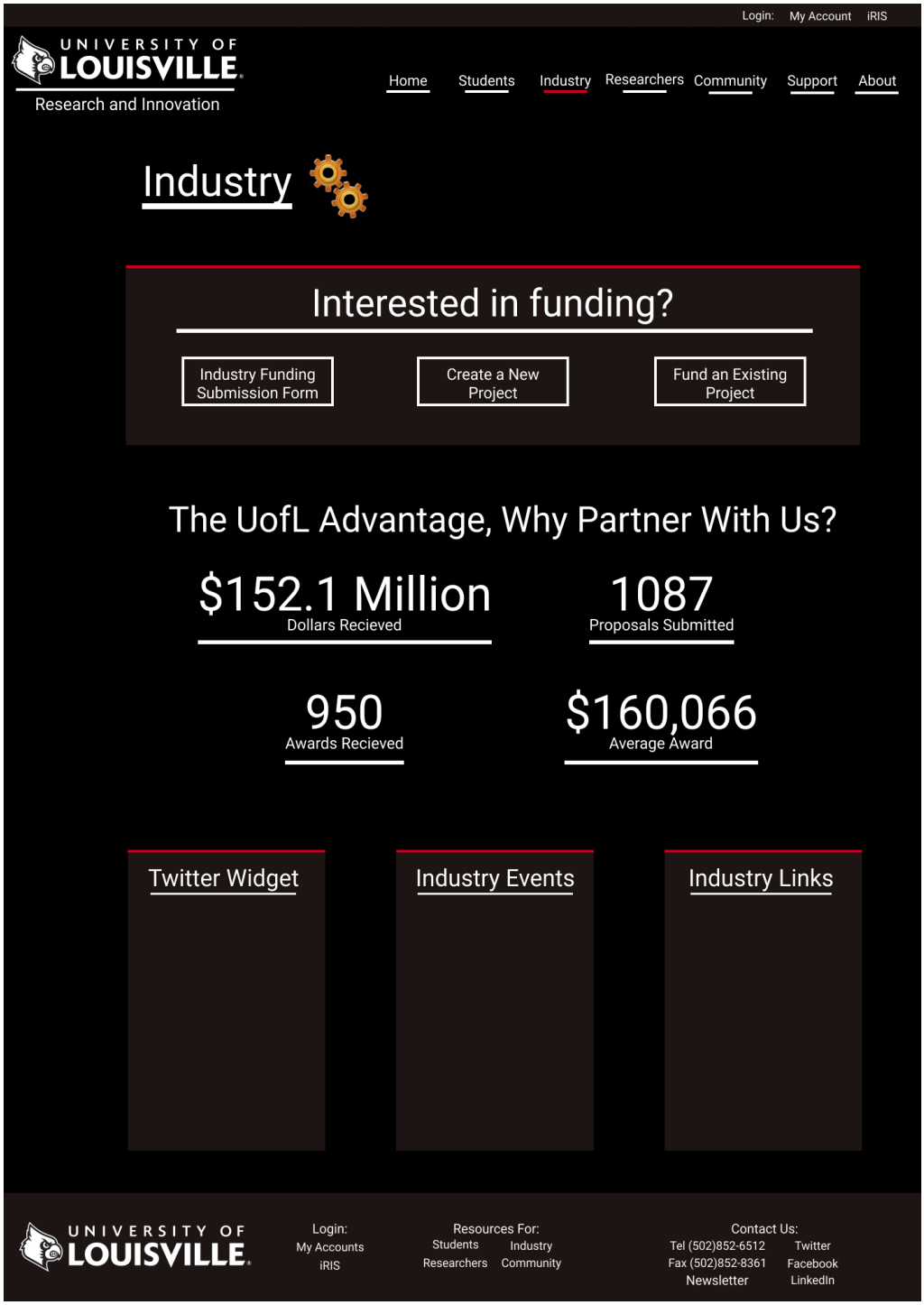
Students Page

Upon arriving at the student's page, you are met with a distinctive icon indicating which page you are on. Students will be immediately greeted with large text guiding students who wish to create a project to the correct places, a tutorial on how to begin, a submission form, and the link to the iRIS portal. Students are also able to see what the most popular projects or events other students are working on which can be hosted by any student, researcher, community or industry leader. Moving below that we have included a student news section with the demo content, "Join the student research club." The news section contains an image, a text description and a learn more button for those who are interested. Also included on the page would be the all-important twitter widget providing a live feed of news and any other content, links, and events could fit into the additional blocks.



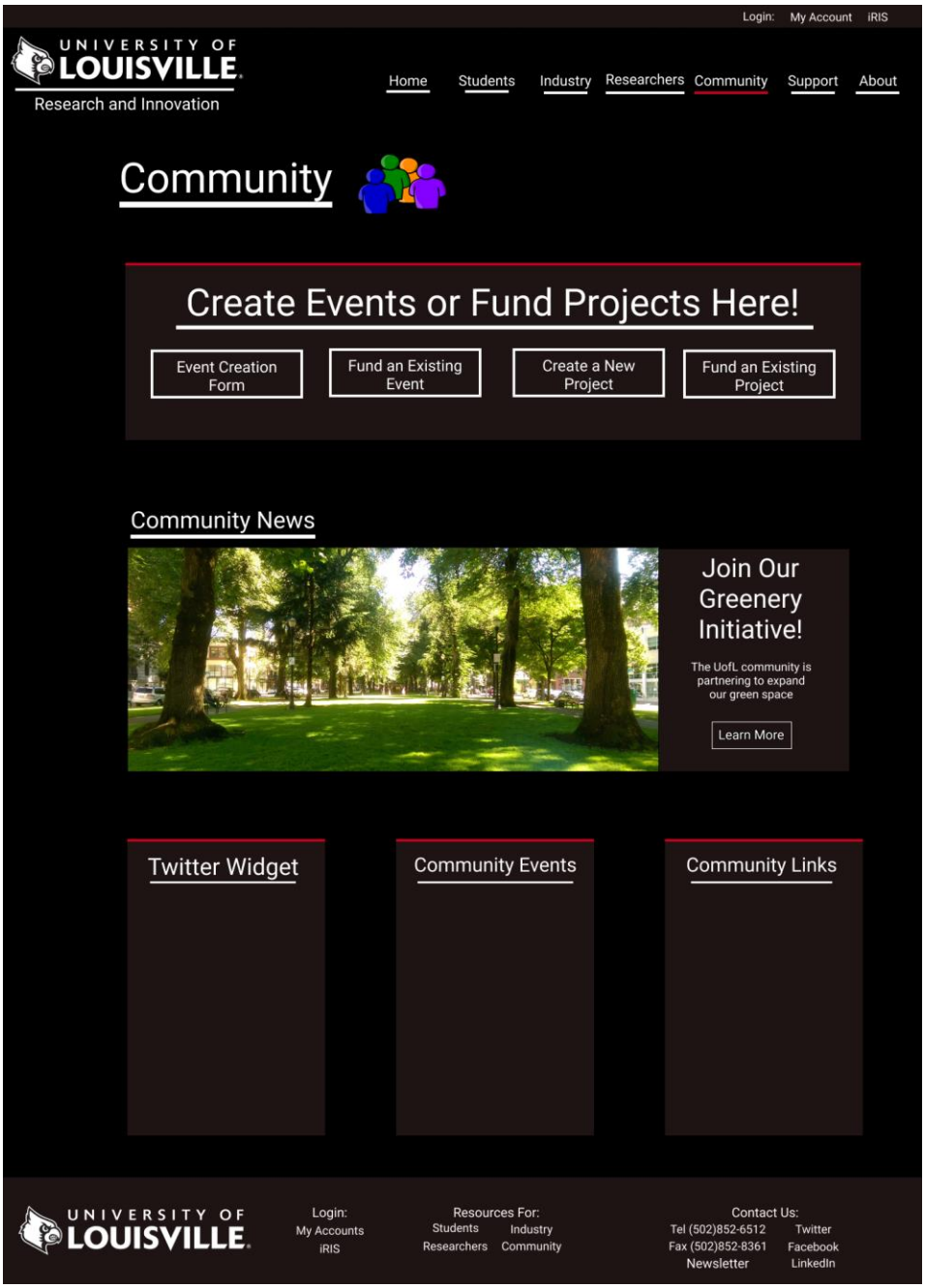
Industry

Upon arriving at the industry page, you are met with a distinctive icon indicating which page you are on. Industry members are then guided to the large text interesting in funding, where they can then choose from the submission form, creating a new project, or funding an existing project. After this visitors are drawn to a variety of statistics which will showcase UofL's past successes with industry. We have placed statistics from the front page as placeholders. From there the all important twitter news widget will go at the bottom as well as any industry related events or important links.



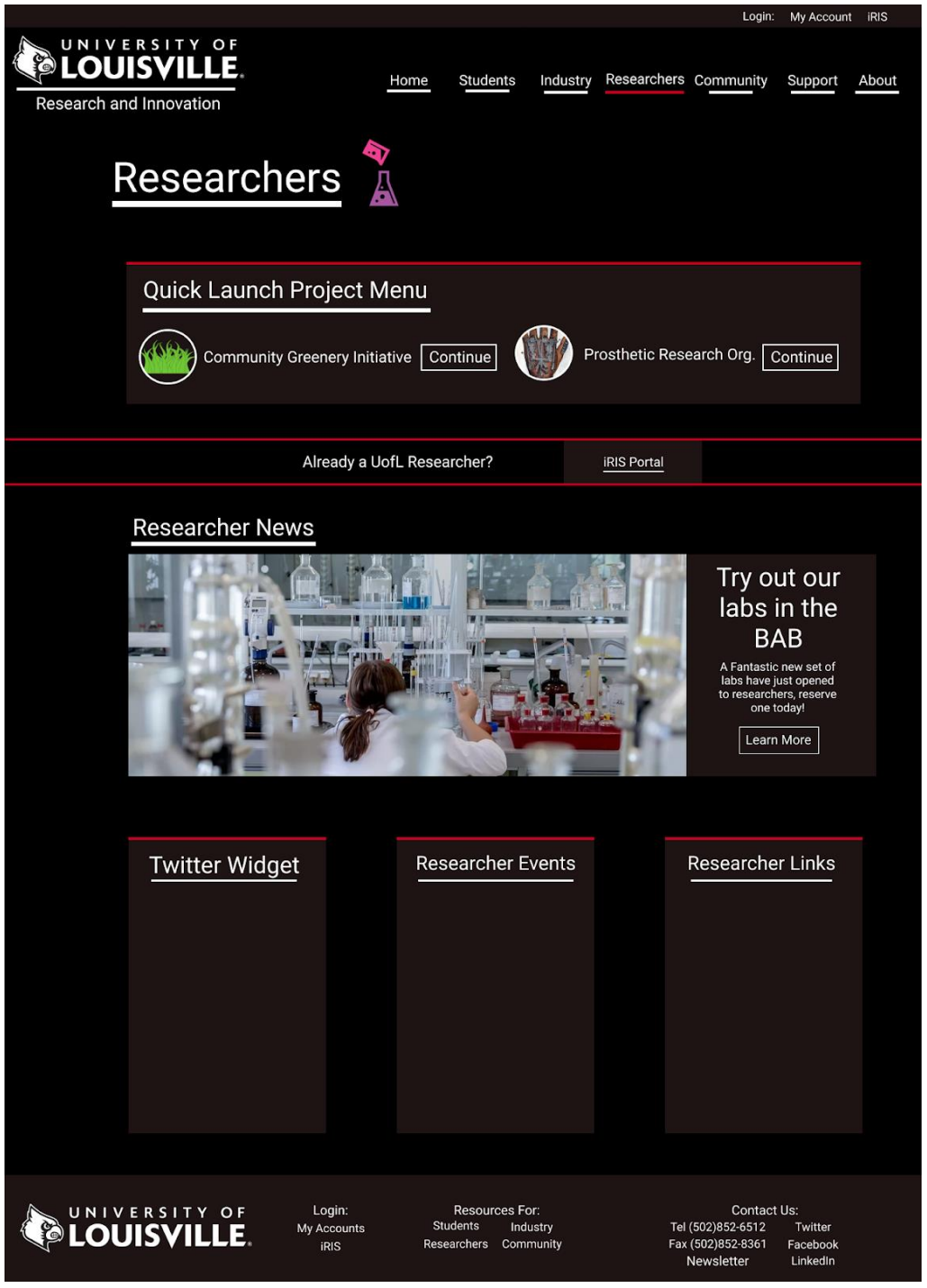
Community

Upon arriving at the Community site, visitors are met with a distinctive icon indicating that they are on the community page. From there community members are met with the large text asking them to create events or fund projects. An event creating form is available, as well as fund existing event, create new project and fund existing project. Moving down there will be a large section for community news with an image drawing visitors in and text explaining with a Learn More link at the bottom. We have placed a demo event inside this area called The Community Greenery Initiative. The bottom of the page like the rest will contain a twitter news feed, community related events and links.



Researchers

Upon arriving at the research page, visitors are met with a unique icon indicating which page they are on. From there we have a quick launch project menu so researchers can get back to their projects as fast as possible. This page uses the assumption that researchers will arrive here first before jumping to their project environment. Moving down we have a small section for the iRIS Portal which can be removed once it is phased out. Just like the community page we have also included a researcher news section with a text description and a learn more button. Example content has been inserted to demo what it would look like. Finally continuing with the uniform nature of the pages a twitter widget and Researcher links and events will also be added to the bottom section.



Comment Summary

Page 3

1. THis is a spreadsheet with the requirements down column a and the UC names at the top of the other columns. If the use case address the requirement, put a X in the cell where they intersect

Page 7

2. preconditions