University of Louisville

Iteration 3

UofL Research & Innovation Website Renovation Vision (Small Project)

Team Added Value

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CIS 310-01

University of Louisville

Revision History

Date	Version	Description	Author
27/Jan/20	1.0	First Iteration	Ruomei Wang
10/Feb/20	2.0	Second Iteration	Sohal Patel
1/Mar/20	3.0	Inception Spec	Ruomei Wang
20/Mar/20	4.0	Third Iteration	Emily Wantland

Table of Contents

1. Use Cases

- An overview of essential use cases describing a specific situation in which a product or service could potentially be used.

Use Case ID	Case Name	Primary Actor	Description
UC 1	Research Application	Researcher	Students will be able to apply for grant application and the system will accept it from them
UC 2	Update Information on Current Partnerships	Admin	The admin will update information on current partnerships on the website
UC 3	Add Weekly Updates to Newsletter	Admin	The admin will create weekly updates to the newsletter on the website
UC 4	Edit the Newsletter	Admin	The system will allow admins to edit the newsletter on the website
UC 5	Delete the Newsletter	Admin	The system will allow admins to delete a newsletter
UC 6	Find Information	Student	The system will have a search bar to help users find information
UC 7	Create Grants	Admin	The system will allow admins to create grants
UC 8	Modify Grants	Admin	The system will allow admins to edit grants
UC 9	Delete Grants	Admin	The system will allow admins to delete grants
UC 10	Create Student Application	Student	The system will accept student applications
UC 11	Edit Student Application	Student	The system will allow student applications to be edited
UC 12	Delete Student Application	Student	The system will allow the deletion of student applications
UC 13	Create Funding Application	Researcher	The system will accept funding applications
UC 14	Edit Funding Application	Researcher	The system will allow funding applications to be edited
UC 15	Delete Funding Application	Researcher	The system will allow funding applications to be deleted
UC 16	Create Industry Proposal	Industry	The system will accept industry proposals

UC 17	Edit Industry Proposal	Industry	The system will allow industry proposals to be edited
UC 18	Delete Industry Proposal	Industry	The system will allow industry proposals to be deleted
UC 19	Add and Conduct Surveys	Admin	The system will allow surveys to be completed and store the results
UC 20	Edit Surveys	Admin	The system will allow modifications of the surveys
UC 21	Delete Surveys	Admin	The system will allow deletion of the surveys
UC 22	Login	Student	The system will allow users to login using their account names and passwords
UC 23	Backup Data	Admin	The system will back up the data created
UC 24	Recover Data	Admin	The system will allow the recovery of data when needed
UC 25	Create Profiles	Researcher	The system will allow researchers to create profiles to showcase their works
UC 26	Add Events	Admin	The system will allow admin to add events
UC 27	Edit Events	Admin	The system will allow admin to edit events
UC 28	Delete Events	Admin	The system will allow admin to delete events
UC 29	Link the Donation Process Directly to UofL Development Departments	Industry	The system will lead industries to UofL development departments' webpages to continue their donation process
UC 30	Link ThinkIR to the Research Page	Industry	The system will lead industries to UofL ThinkIR in order to showcase breakthroughs

2. System Requirements

- Hardware components or other software resources for the software to efficiently run. On the user's end, there are nonfunctional requirements.

Nonfunctional

Operational

1. The system will operate on Windows 7, 8 & 10, Linux 2005 Minimum, or MAC OS 10.0
2. The system will need a 2.8 GHz or faster processor

3. The system will need at least 4 GB of free disk space
4. The system will need internet connection for software activation
5. The system will work on all web browsers
6. The system will integrate with the existing University of Louisville Research database
7. The system will work on mobile devices

Performance

1. Any interaction between user and system should not exceed 1 second
2. The system will update every 30 minutes
3. The system will run 24 hours per day, 365 days per year
4. The system will support the capacity of the University of Louisville's Research Database
5. The system will handle 100 transactions per hour

Security

1. The system will allow only administrators can view applications
2. The system will allow only administrators can edit the newsletter
3. The system will allow users to see their transaction history
4. The system will allow only the administrator to see staff personal records
5. The system will only allow the issuer of the grant and the administrator to view grant information and status
6. The system will encrypt all transactions

Cultural & Political

1. The system will comply with the University of Louisville standard logo and color scheme
2. The system will be able to distinguish between the United States and European currencies
3. The system will comply with privacy standards
4. The system will only accept information following the UofL code of conduct.

Functional

1. The system will accept grant applications
2. The system will update information on current partnerships
3. The system will allow weekly updates to newsletter
4. The system will allow users to edit the newsletter
5. The system will allow administrators to delete newsletter
6. The system will have a search bar to help users find information
7. The system will target industry partners
8. The system will allow the modification of grants

9. The system will allow the deletion of grants
10. The system will take in student applications
11. The system will allow the editing of student applications
12. The system will allow the deletion of student applications
13. The system will take in researcher funding applications
14. The system will allow the editing researcher funding applications
15. The system will allow the deletion of researcher funding applications
16. The system will take in industry proposals
17. The system will allow the editing of industry proposals
18. The system will allow the deletion of industry proposals

3. Trace Matrix

- Associates use cases with system requirements.

To address how use cases can be traced from top-level system requirements, we will explore the applications from the main system requirements and the system allowing administrators to view applications.

The system will allow Admins to edit, add, or delete the newsletters. They will also be able to edit or delete weekly updates of newsletters.

In the system requirements, the system will allow users to see their transaction history. The system will allow only the administrator to see staff personal records. The system will only allow the issuer of the grant and the administrator to view grant information and status.

The system will allow the modification or deletion of grants. The system will take in student applications and allow them to edit it or delete it. The system will take in researcher funding applications.

The system requirements trace the use cases, but the differences are the requirements. There is a focus on system operations with a tendency toward detailed system specifications, on the other hand, use cases focus on the interactions between the user and the system with a similar tendency of detailed specification. Use cases focus on the outset external actors like users, processes, agents and how they interface with the system, whereas the functional requirements approach the problem from a solution angle, and how can we employ features to solve the problem.

4. Use Case Specifications

- Our template for a simple use case specification contains the following information:
  1. Use case name
  2. Use case ID
  3. Brief description: A paragraph that captures the goal of the use case
  4. Actors involved in the use case
  5. Preconditions: These are things that must be true before the use case can execute — they are constraints on the state of the system
  6. Main flow: The steps in the use case
  7. Postconditions: The things that must be true at the end of the use case
  8. Alternative flows: A list of alternatives to the main flow

Use Case: Research Application
ID: 1
Brief Description: Students will be able to apply for grant application and researchers will accept or deny them
Primary Actor: Researcher
Secondary Actor: Student
Preconditions: Students login to apply
Main Flow: 1. Student enters UofL ID 2. Student enters password 3. Student goes to application page 4. Student submits application 5. Researcher accepts or denies the application
Postconditions: The system will create an account and save the user's application
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel 4. Invalid submission

Use Case: Update Information on Current Partnerships
ID: 2
Brief Description: The admin will update information on current partnerships on the website
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: The Admin logs on to the Research and Innovation website
1. **Main Flow**: Admin goes to the Research and Innovation homepage 2. Admin goes to the "Login" page 3. Admin enters username

4. Admin enters password 5. Admin presses “Login” button 6. Admin gets validated by the database 7. Admin clicks on newsletters 8. Admin clicks on update 9. Admin enters news information about partnerships 10. Admin clicks on “Submit” button
Postconditions: The website database needs to be able to store the information uploaded
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel 4. Invalid submission

Use Case: Add Weekly Updates to Newsletter
ID: 3
Brief Description: The admin will allow weekly updates to newsletter on the website
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Admin will log into their accounts 2. Admin has information about newsletters
Main Flow: 1. Admin goes to the Research and Innovation homepage 2. Admin goes to the “Login” page 3. Admin enters username 4. Admin enters password 5. Admin presses “Login” button 6. Admin gets validated by the database 7. Admin clicks on newsletters 8. Admin clicks on update 9. Admin enters news information 10. Admin clicks on “Submit” button
Postconditions: 1. The newsletter information will be displayed on the website for everyone to view 2. The database needs to be able to store the information
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel 4. Invalid submission

Use Case: Edit the Newsletter
ID: 4

Brief Description: The system will allow the admin to edit the newsletter on the website
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Admin will log into their accounts 2. Admin has the information about newsletters
Main Flow: 1. Admin goes to the Research and Innovation homepage 2. Admin goes to the “Login” page 3. Admin enters username 4. Admin enters password 5. Admin presses “Login” button 6. Admin gets validated by the database 7. Admin clicks on newsletters 8. Admin clicks on update 9. Admin modifies information 10. Admin clicks on “Submit” button
Postconditions: 1. The newsletter information will be displayed on the website for everyone to view 2. The database needs to be able to store the information
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel 4. Invalid submission

Use Case: Delete the Newsletter
ID: 5
Brief Description: The admin will delete a newsletter on the website
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Admin will log into their account
Main Flow: 1. Admin goes to the Research and Innovation homepage 2. Admin goes to the “Login” page 3. Admin enters username 4. Admin enters password 5. Admin presses “Login” button 6. Admin gets validated by the database 7. Admin clicks on newsletters tab 8. Admin clicks on the newsletter that needs to be deleted 9. Admin deletes the newsletter
Postconditions:

1. The newsletter information will be removed from the website and database
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel

Use Case: Find Information
ID: 6
Brief Description: The system will have a search bar to help users find information
Primary Actor: Student
Secondary Actor: N/A
Preconditions: N/A
Main Flow: 1. Student goes to Research and Innovation website 2. Student puts the keyword in the search bar 3. Student clicks on “Search” button 4. Student gets directed to the result page
Postconditions: N/A
Alternate Flow: 1. The information the student is looking for does not exist

Use Case: Create Grants
ID: 7
Brief Description: The system will allow the admin to create grants
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Admin will log into their accounts 2. Admin gets information from Industry partners about the grants
Main Flow: 1. Admin goes to “Grants” tab 2. Admin creates grants
Postconditions: 1. The industries information will be displayed on the website for researchers to view
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel

Use Case: Edit Grants
ID: 8
Brief Description: The system will allow the admin to modify grants
Primary Actor: Admin
Secondary Actor: N/A

Preconditions: 1. Admin logs into their accounts 2. Admin has the grant's information
Main Flow: 1. Admin will click on "Grants" tab 2. Admin will click on "Modify Grant" button 3. Admin will upload modified grant information
Postconditions: 1. The grant will be displayed on the website for researchers to view
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel

Use Case: Delete Grants
ID: 9
Brief Description: The system will allow the admin to delete grants
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Admin will log into their accounts
Main Flow: 1. Admin clicks on the grant that needs to be deleted 2. Admin will click on "Delete Grant" button 3. The grant will be deleted
Postconditions: 1. The grant will be deleted from the database
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel

Use Case: Create Student Application
ID: 10
Brief Description: The system will allow the student to create an application
Primary Actor: Student
Secondary Actor: N/A
Preconditions: 1. Student will apply and submit the application 2. Student logs on to the website
Main Flow: 1. Student clicks on the "Apply" tab 2. Student fills out the application 3. Student submits the application
Postconditions: N/A

Alternate Flow: 1. Invalid Username 2. Invalid Password 3. Invalid Application

Use Case: Edit Student Application
ID: 11
Brief Description: System will allow student application to be edited
Primary Actor: Student
Secondary Actor: N/A
Preconditions: 1. Student should have submitted their application already 2. Student log in to the website
Main Flow: 1. Student clicks on the “Apply” tab 2. Student clicks on “Edit Application” button 3. Student re-submits the application
Postconditions: 1. There needs to be a deadline after which the students will not be able to edit their application
Alternate Flow: 1. Invalid Username 2. Invalid password 3. The deadline passed and the application cannot be edited

Use Case: Delete Student Application
ID: 12
Brief Description: System will allow the deletion of student applications
Primary Actor: Students
Secondary Actor: N/A
Preconditions: 1. Student should have submitted their application already 2. Student logs in to the website
Main Flow: 3. Student clicks on the “Apply” tab 4. Student clicks on “Delete Application” button 5. Student deletes the application
Postconditions: 1. There needs to be a deadline after which the students will not be able to delete their application
Alternate Flow: 2. Invalid Username 3. Invalid Password 4. The deadline has passed and the application cannot be deleted

Use Case: Create Funding Application
ID: 13
Brief Description: System will accept researcher funding applications
Primary Actor: Researcher
Secondary Actor: N/A
Preconditions: 1. Funders should fund the amount to the university 2. Researcher logs in to the website
Main Flow: 1. Researcher fills out the application for funding 2. Researcher submits the application
Postconditions: 1. The application will be saved in the database.
Alternate Flow: N/A

Use Case: Edit Funding Application
ID: 14
Brief Description: System will allow researcher funding applications to be edited
Primary Actor: Researcher
Secondary Actor: N/A
Preconditions: 1. Researchers should have submitted funding application 2. Researcher logs on to the website
Main Flow: 1. Researcher clicks on the “Funding Application” tab 2. Researcher edits the application for funding 3. Researcher re-submits the application
Postconditions: 1. There needs to be a deadline after which the students will not be able to edit their application
Alternate Flow: 1. Invalid Username 2. Invalid Password 3. The deadline passed and the application cannot be edited

Use Case: Delete Funding Application
ID: 15
Brief Description: Brief Description: System will allow the deletion of researcher funding applications
Primary Actor: Researcher
Secondary Actor: N/A
Preconditions: 1. Researchers should have submitted funding application 2. Researcher logs on to the website
Main Flow:

1. Researcher clicks on the “Funding Application” tab 2. Researcher selects the application for funding 3. Researcher delete the application
Postconditions: 1. There needs to be a deadline after which the students will not be able to edit their application
Alternate Flow: 1. Invalid Username 2. Invalid Password 3. The deadline passed and the application cannot be deleted

Use Case: Create Industry Proposal
ID: 16
Brief Description: The system will accept industry proposals
Primary Actor: Industry
Secondary Actor: N/A
Preconditions: 1. Industries should contact the Research & Innovation Office first 2. Industry has been assigned with login information by Research & Innovation Office
Main Flow: 3. Industry logs in to the website with login information assigned by Research & Innovation Office 4. Industry be directed to the page to upload industry proposal 5. The proposal is submitted
Postconditions: 1. A portal has been created for Industry 2. The proposal will be displayed on the website to all users 3. Research & Innovation Office review the proposal
Alternate Flow: 1. Invalid Email Address 2. Invalid Password 3. Cancel

Use Case: Edit Industry Proposal
ID: 17
Brief Description: The system will allow industry proposals to be edited
Primary Actor: Industry
Secondary Actor: N/A
Preconditions: 1. Industry should have submitted proposals 2. Industry has been assigned with login information by Research & Innovation Office
Main Flow: 3. Industry logs in to the website 4. Industry is directed to their portal

5. Industry clicks on the proposal they uploaded before 6. Industry clicks on “Edit Proposal” button 7. The proposal is edited 8. The proposal is re-submitted
Postconditions: 1. Research & Innovation Office reviews the editing of the proposal
Alternate Flow: 2. Invalid Email Address 3. Invalid Password 4. Cancel

Use Case: Delete Industry Proposal
ID: 18
Brief Description: The system will allow the deletion of industry proposals
Primary Actor: Industry
Secondary Actor: N/A
Preconditions: 1. Industry should have submitted proposals 2. Industry should inform Research & Innovation Office of the deletion in advance 3. Industry has been assigned with login information by Research & Innovation Office
Main Flow: 1. Industry logs in to the website 2. Industry is directed to their portal 3. Industry clicks on the proposal they uploaded before 4. Industry clicks on “Delete Proposal” button 5. The proposal is deleted
Postconditions: N/A
Alternate Flow: 1. Invalid Email Address 2. Invalid Password 3. Cancel

Use Case: Add and Conduct Surveys
ID: 19
Brief Description: The system will allow surveys to be completed and store the results
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: N/A
Main Flow: 1. Admin logs in to the website 2. Admin creates a survey 3. The system shows the survey created by Admin to users when they click on a button or tab 4. The survey is taken by users

Postconditions: 1. The survey results will be saved in the system
Alternate Flow: 1. Invalid Email Address 2. Invalid Password 3. Cancel

Use Case: Edit Surveys
ID: 20
Brief Description: The system will allow modifications of the surveys
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Admin has created surveys
Main Flow: 2. Admin logs in to the website 3. Admin select the survey that needs modification 4. The survey is modified
Postconditions:
Alternate Flow: 1. Invalid Email Address 2. Invalid Password 3. Cancel

Use Case: Delete Surveys
ID: 21
Brief Description: The system will allow deletion of the surveys
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Admin has posted surveys
Main Flow: 1. Admin logs in to the website 2. Admin selects the survey(s) that needs to deleted 3. The survey is deleted
Postconditions: N/A
Alternate Flow: 1. Invalid Email Address 2. Invalid Password 3. Cancel

Use Case: Login
ID: 22
Brief Description: System will allow Student to login using their account names and passwords

Primary Actor: Student
Secondary Actor: N/A
Preconditions: 1. Student needs be assigned with a school email and create password
Main Flow: 1. Student enters username 2. Student enters password 3. Student submits login
Postconditions: 1. User can edit or delete applications from his account
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel

Use Case: Backup Data
ID: 23
Brief Description: System will back up the data created
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. System should be running
Main Flow: 1. System backs up the data that has been entered
Postconditions: 1. System can recover the data in case of losing it
Alternate Flow: N/A

Use Case: Recover Data
ID: 24
Brief Description: System will allow the recovery of data when needed
Primary Actor: Admin
Secondary Actor: N/A
Preconditions: 1. Data has been backed up
Main Flow: 1. System recovers previously backed up data
Postconditions: 1. Backed up data is restored
Alternate Flow: N/A

Use Case: Create Profiles
ID: 25

Brief Description: System will allow researchers to create profiles to showcase their works
Primary Actor: Researcher
Secondary Actor: N/A
Preconditions: 1. Go to the university research website
Main Flow: 1. Researcher goes to the Research and Innovation website 2. Researcher logs on to the website 3. Researcher clicks on “Create Profile” button to create your profile 4. Researcher clicks on “Save Profile” button
Postconditions: 1. Researchers will have their account profile page where they can log in later at any time and edit what they want
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel

Use Case: Add Event
ID: 26
Brief Description: The system will allow admin to add events
Primary Actor: Admin
Secondary Actor: Researcher
Preconditions: 1. Admin will log into their accounts 2. Admin will have information about event
Main Flow: 1. Admin goes to the Research and Innovation homepage 2. Admin clicks on the “Login” button 3. Admin enters username and password 4. Admin submits login 5. Admin clicks on “Events” tab 6. Admin clicks the “Add Events” button 7. Admin submits event information
Postconditions: 1. The event information will be displayed on the website for everyone to view
Alternate Flow: 2. Invalid username 3. Invalid password 4. Cancel 5. Invalid submission

Use Case: Edit Event
ID: 27
Brief Description: The system will allow admin to modify events

Primary Actor: Admin
Secondary Actor: Researcher
Preconditions: 1. Admin will log into their accounts 2. Admin has the updated information about events
Main Flow: 1. Admin goes to the Research and Innovation homepage 2. Admin clicks on the “Login” button 3. Admin enters username and password 4. Admin submits login 5. Admin clicks on “Events” tab 6. Admin clicks the “Edit Event” button 7. Admin submits event information
Postconditions: 1. The event information will be displayed on the website for everyone to view after it has been edited
Alternate Flow: 2. Invalid username 3. Invalid password 4. Cancel 5. Invalid submission

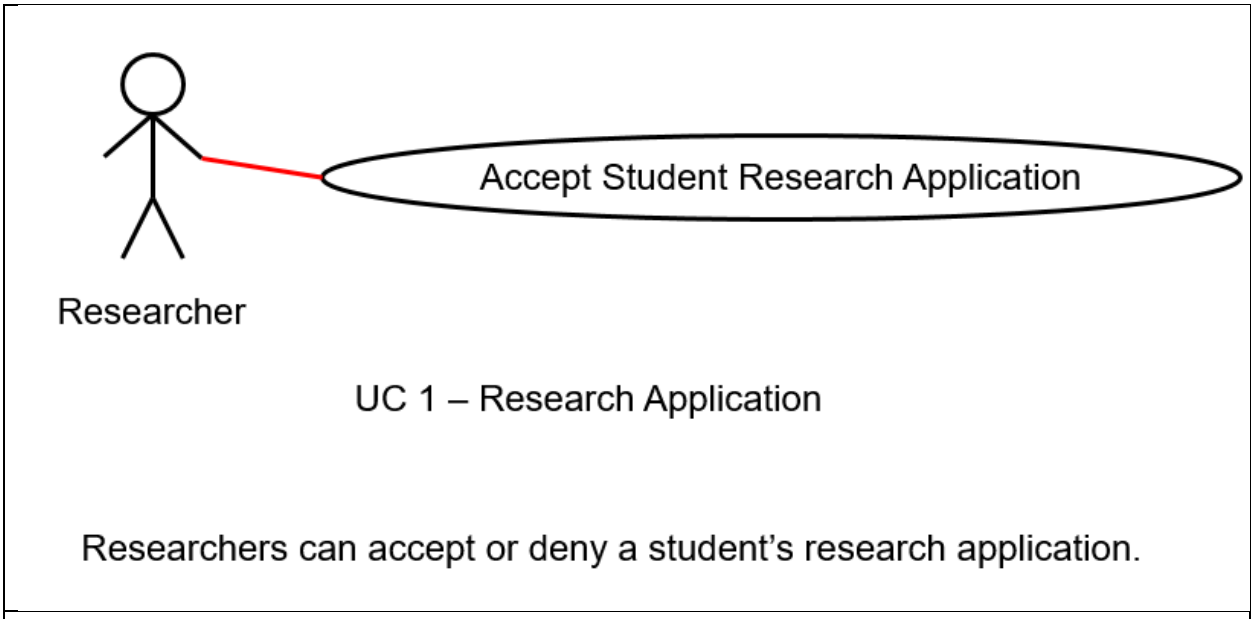
Use Case: Delete Event
ID: 28
Brief Description: The system will allow admin to delete events
Primary Actor: Admin
Secondary Actor: Researcher
Preconditions: 1. Admin will log into their accounts 2. Admin has the information about newsletters
Main Flow: 1. Admin goes to the Research and Innovation homepage 2. Admin clicks on the “Login” button 3. Admin enters username and password 4. Admin submits login 5. Admin clicks on “Events” tab 6. Admin clicks on the event that needs to be deleted 7. Admin deletes the event
Postconditions: 1. The event information will be removed from the website
Alternate Flow: 1. Invalid username 2. Invalid password 3. Cancel 4. Invalid submission

Use Case: Link the Donation Process Directly to UofL Development Departments
ID: 29
Brief Description: The system will lead industries to UofL development departments' webpages to continue their donation process
Primary Actor: Industry
Secondary Actor: N/A
Preconditions: 1. Industry logs in to the Research and Innovation website 2. The system will have link to connect industries to UofL development departments' webpages to continue their donation process
Main Flow: 1. Industry logs in to the Research and Innovation website 2. Industry goes to "For Industry" page 3. Industry clicks on "Donation" button 4. Industry be directed to UofL development departments' webpages to continue their donation process
Postconditions: N/A
Alternate Flow: 1. Invalid connection to the link

Use Case: Link ThinkIR to the Research page
ID: 30
Brief Description: The system will lead industries to UofL ThinkIR in order to showcase UofL breakthroughs
Primary Actor: Industry
Secondary Actor: N/A
Preconditions: 1. The link to ThinkIR needs to be established 2. The link needs to function properly
Main Flow: 1. Industry logs in to the Research and Innovation website 2. Industry goes to "For Industry" page 3. Industry clicks on "ThinkIR" button 4. Industry be directed to UofL ThinkIR to view what UofL has accomplished
Postconditions: N/A
Alternate Flow: 1. Invalid connection to the link

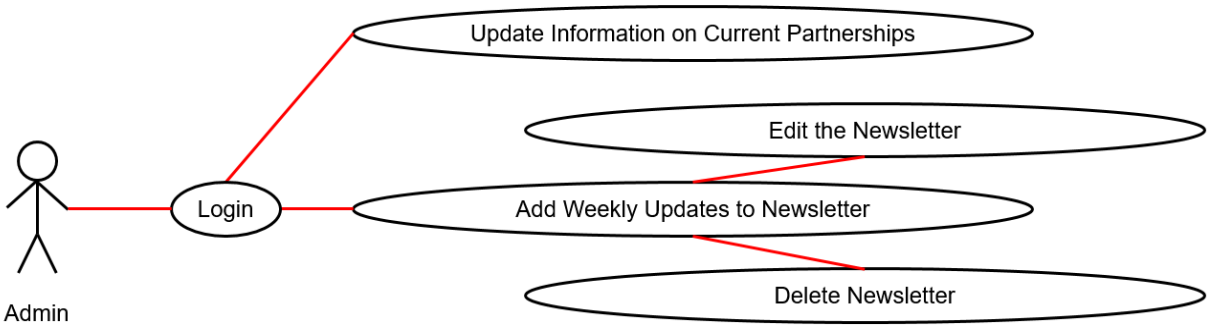
5. Use Case Diagrams

- Representations of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved.



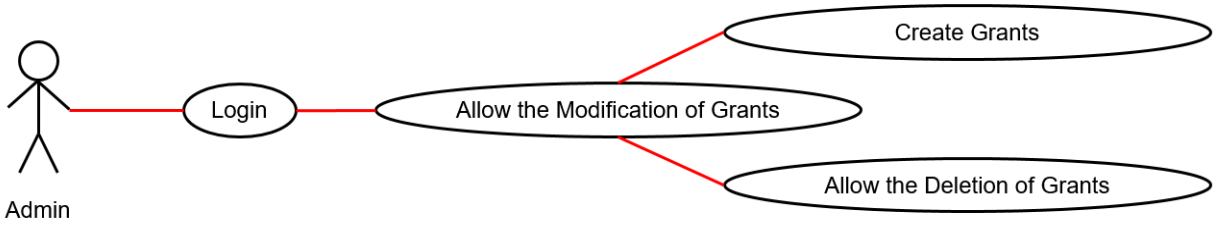
UC 1 – Research Application

Researchers can accept or deny a student's research application.



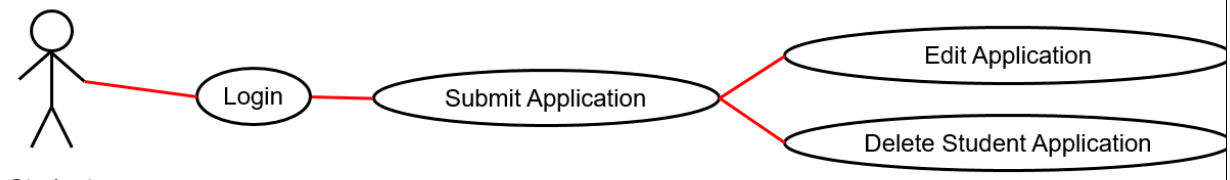
UC 2 – Update Information on Current Partnerships
UC 3 – Allow Weekly Updates to Newsletter
UC 4 – Edit the Newsletter
UC 5 – Delete the Newsletter

Administrators can update information about industry partners. They can add new articles and display them on the website for everyone to view. If need be, they can modify or delete them.



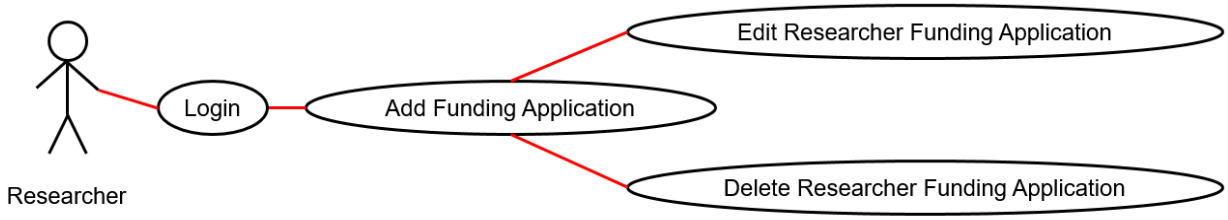
UC 7 – Create Grants
UC 8 – Allow the Modification of Grants
UC 9 – Allow the Deletion of Grants

Administrators can create grants from internal or external sources. After that, they can modify or delete them.



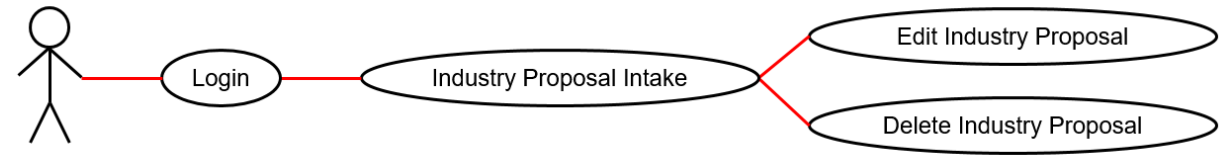
UC 10 – Submit Application
UC 11 – Edit Application
UC 12 – Deletion of Student Applications

After logging in, Students can submit research applications. Following that, they can make any updates and even delete them if they change their mind.



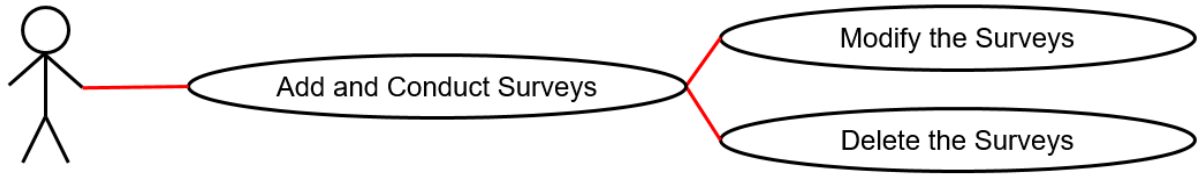
UC 13 – Funding Applications
UC 14 – Edit Researcher Funding Application
UC 15 – Delete Researcher Funding Application

Researchers can add funding applications after logging in. Following that, they can make any updates and even delete them if they change their mind.



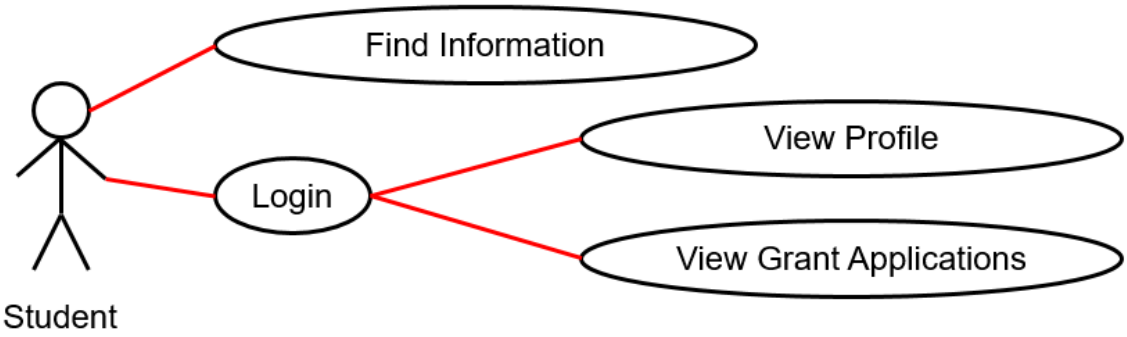
UC 16 – Take in Industry Proposal
UC 17 – Edit Industry Proposals
UC 18 – Delete Industry Proposals

After the Industry users log on, they can create industry proposal listings describing their needs for researchers and students. They can edit their proposal, which makes it easier for them to modify their listings as their needs change. The Industry users can delete their proposals. If they have found the researchers who they are looking for, or they simply wanted to terminate the project, they can delete their proposal on the website. For the latter situation, they need to contact Research & Innovation Office first to coordinate.



UC 19 – Add and Conduct Surveys
UC 20 – Modify the Surveys
UC 21 – Delete the Surveys

The Admin is able to add and conduct new surveys on the Research & Innovation website. After they add surveys, all users are able to access and complete them. The Admin can also modify and delete the surveys.

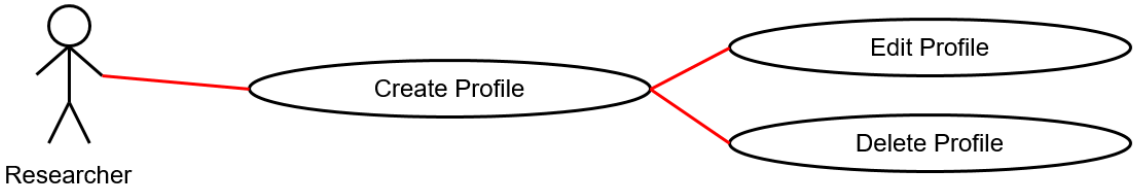


UC 6 – Find Information
UC 22 – Login

Students can use the search function at the top of the pages by entering a key word. They can also login which will allow them to view their profile's information and their grant applications.

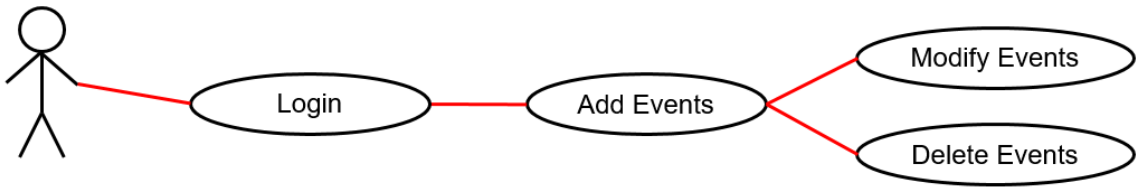
UC 23 – Backup Data
UC 24 – Recover Data

Administrators can perform data management actions such as creating backups of the data, or executing data restores if necessary.



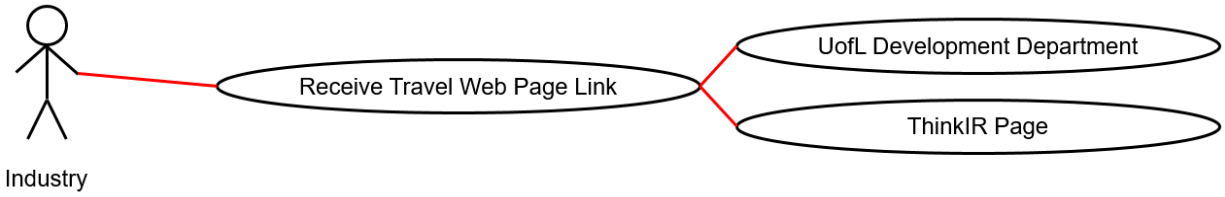
UC 25 - Create Profiles

First-time researchers will be prompted to create a profile. This will include basic information, and a research bio. Once their profile has been created, they will be able to edit or delete it. Their profile will become available for public viewing by other researchers, industry leaders, and the administrators on the website.



UC 26 – Add events
UC 27 – Modify events
UC 28 – Delete events

After logging in, the administrator can go to the News and Events tab where they will be able to add events. They can modify events they have already created. Lastly, they can delete past or cancelled events. The users of website will be able to see the all updates once they are finalized.

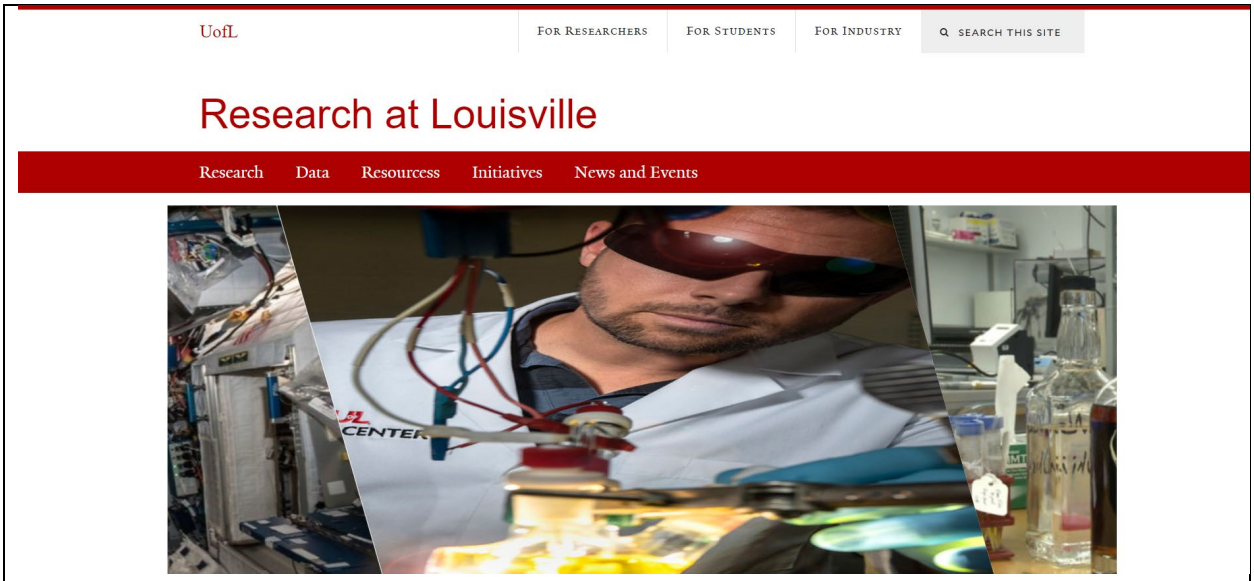


UC 29 – Link the donation process directly to UofL development departments
UC 30 – Link ThinkIR to the Research Page

Users can be redirected offsite to the UofL Development Department and the ThinkIR Page.

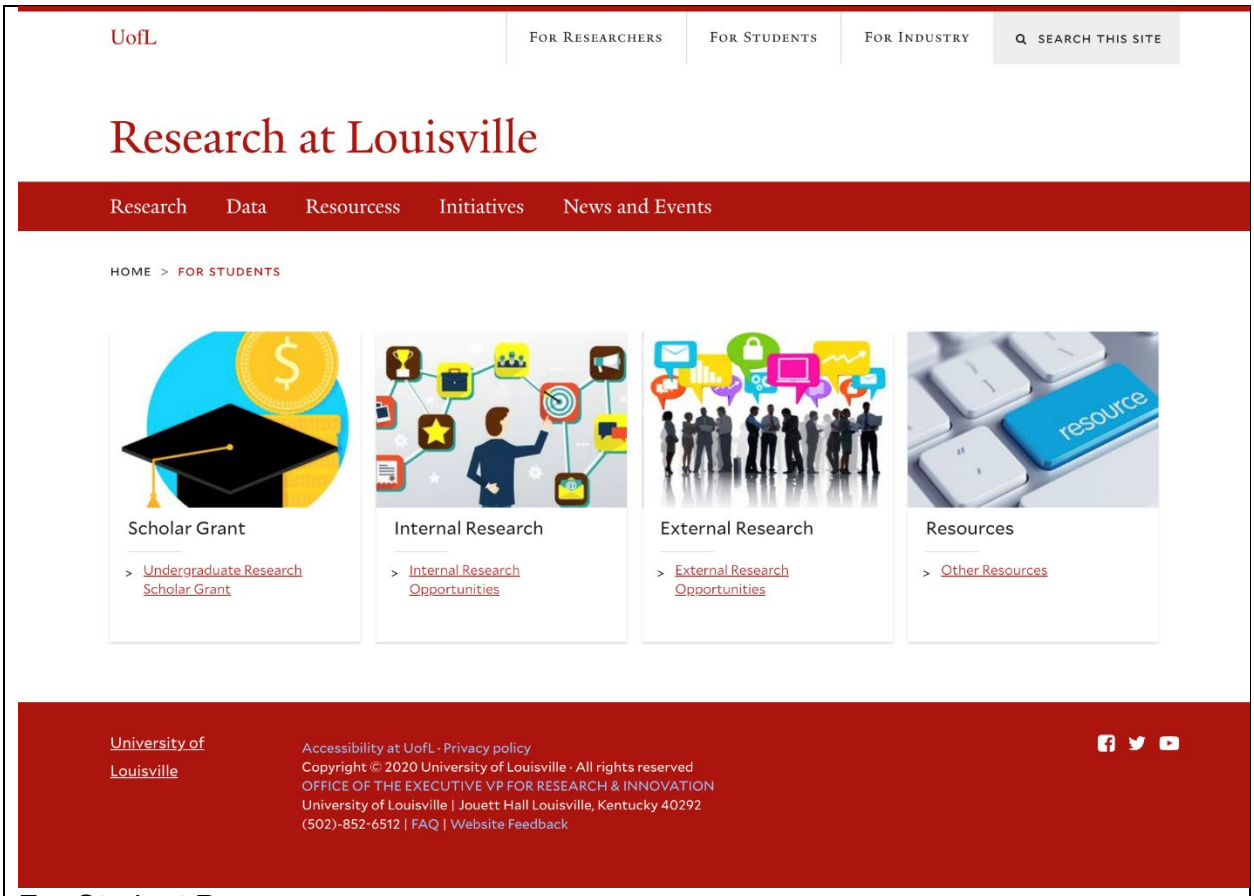
6. Prototype

- A mock-up/demo of what the website will look like when it goes live.
- *Link*: http://pictureintext.net/pro/



Home Page

- The home page provides four branches for different types of users, it directs them to pages with unique and relevant information.
- The search function helps users search for information they need across the entire website.
- On the bottom, it links the users to Research Office's social media accounts, physical locations, and contact information.



For Student Page

- The page is dedicated to the students and provides them with information about undergraduate research scholar grants, internal and external research opportunities, and other resources.

7. Gantt Chart

- A Gantt chart is a type of bar chart that illustrates a project schedule. This chart lists the tasks to be performed on the vertical axis, and time intervals on the horizontal axis. The width of the horizontal bars in the graph shows the duration of each activity.

Website Development for UofL Research

Added Value | January 13, 2020