Iteration 2 Version: 1.0 Use Cases Date: 03/March/20 Scott Pettyjohn, Meelan Mishra, Nathan Moran, Mohammed Al Madhi, Robert Burch, Joseph Baxter

**Use Case Specification: Create Event**

**1. Create Event**

**1.1 Brief Description**

This use case describes how an administrator would create an event for the R&I website through a form. **2. Flow of Events**

**2.1 Basic Flow**

• Admin selects “Create Event” button

• Admin inputs event Title

• Admin inputs event Date

• Admin inputs event Start Time

• Admin inputs event End Time

• Admin inputs event Location

• Admin inputs event About Event information

• Admin inputs any desired pictures

• Admin selects “Submit”

• Use case ends **3. Special Requirements**

3.1 CMS allows for the addition of widgets

**4. Pre-conditions**

4.1 Events widget works properly

4.2 System must be up and running **5. Post-conditions**

5.1 Event is created

5.2 Events widget and section are populated with the new event

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**Use Case Specification: Edit Event**

**6. Edit Event**

**6.1 Brief Description**

This use case describes how an administrator would edit an event on the R&I website **7. Flow of Events**

**7.1 Basic Flow**

• Admin selects “Edit Events”

• Admin selects event to edit

• Admin inputs new information

• Admin selects “Submit”

• Use case ends **8. Special Requirements**

8.1 Database that holds event information

8.2 System runs on desktops, mobile devices, and tablets

8.3 System runs on windows and mac operating systems **9. Pre-conditions**

9.1 There are existing events on the site

9.2 System must be up and running **10. Post-conditions**

10.1 System updates the event information

10.2 System updates the event on a user calendar

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**Use Case Specification: Delete Event**

**11. Delete Event**

**11.1 Brief Description**

This use case describes how an administrator would delete an event off the R&I website **12. Flow of Events**

**12.1 Basic Flow**

• Admin selects “Delete Events”

• Admin selects event to delete

• Admin selects “Submit”

• Use case ends **13. Special Requirements**

13.1 Database that holds event information

13.2 System runs on desktops, mobile devices, and tablets

13.3 System runs on windows and mac operating systems **14. Pre-conditions**

14.1 There are existing events on the site

14.2 System must be up and running **15. Post-conditions**

15.1 System removes the event from events widget and list

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**Use Case Specification: Create Survey**

**16. Create Survey**

**16.1 Brief Description**

This use case describes how an administrator would create a survey for the R&I website. **17. Flow of Events**

**17.1 Basic Flow**

• Admin selects “Create Survey”

• Admin inputs survey Title

• Admin inputs necessary survey Questions

• Admin selects “Submit” **18. Special Requirements**

18.1 System runs on desktops, mobile devices, and tablets

18.2 System runs on windows and mac operating systems **19. Pre-conditions**

19.1 Website supports surveys

19.2 User is already logged in to the user profile

19.3 System must be up and running **20. Post-conditions**

20.1 System gives users the option to take survey

20.2 System accepts the survey from users

20.3 System can create reports off the survey

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**Use Case Specification: Edit Survey**

**21. Edit Survey**

**21.1 Brief Description**

This use case describes how an administrator would edit a survey on the R&I website **22. Flow of Events**

**22.1 Basic Flow**

• Admin selects “Edit Survey”

• Admin selects survey to edit

• Admin inputs new questions or information

• Use case ends **23. Special Requirements**

23.1 Database that holds survey information

23.2 System runs on desktops, mobile devices, and tablets

23.3 System runs on windows and mac operating systems **24. Pre-conditions**

24.1 There are existing surveys on the site

24.2 System must be up and running **25. Post-conditions**

25.1 System updates the surveys with new information

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Iteration2 Version: 1.0 Use Cases Date: 03/March/20 Scott Pettyjohn, Meelan Mishra, Nathan Moran, Mohammed Al Madhi, Robert Burch, Joseph Baxter

**Use Case Specification: Delete Survey**

**26. Delete Survey**

**26.1 Brief Description**

This use case describes how an administrator would delete a survey from the R&I website **27. Flow of Events**

**27.1 Basic Flow**

• Admin selects “Delete Survey”

• Admin selects survey to be deleted

• Admin selects “Submit” **28. Special Requirements**

28.1 Database that holds survey information

28.2 System runs on desktops, mobile devices, and tablets

28.3 System runs on windows and mac operating systems **29. Pre-conditions**

29.1 There are existing surveys on the site

29.2 System must be up and running **30. Post-conditions**

30.1 System removes that survey from the site

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**Use Case Specification: RSVP for Event**

**31. RSVP for Event**

**31.1 Brief Description**

This use case describes how a user would RSVP for an event located in the events widget or the expanded, full list of events. **32. Flow of Events**

**32.1 Basic Flow**

• User selects “RSVP” on event

• User selects “Confirm RSVP”

• Use case ends

**32.2 Alternative Flow**

• User selects “See All Events” on events widget

• User selects “RSVP” on event

• User selects “Confirm RSVP”

• Use case ends **33. Special Requirements**

33.1 Database that holds event information

33.2 System runs on desktops, mobile devices, and tablets

33.3 System runs on windows and mac operating systems **34. Pre-conditions**

34.1 There are existing events on the site

34.2 User is already logged in to the user profile

34.3 System must be up and running **35. Post-conditions**

35.1 System shows that user as an Attendee

35.2 System shows that the user has an RSVP for the event

35.3 System shows the event on a user calendar

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**Use Case Specification: Cancel for Event**

**36. Cancel for Event**

**36.1 Brief Description**

This use case describes how a user would cancel for an event located in the events widget, the expanded list of events, or through their user profile. **37. Flow of Events**

**37.1 Basic Flow**

• User selects “RSVP” on event

• User selects “Cancel RSVP”

• Use case ends

**37.2 Alternative Flow**

• User selects “See All Events” on events widget

• User selects “RSVP” on event

• User selects “Cancel RSVP”

• Use case ends **38. Special Requirements**

38.1 Database that holds event information

38.2 System runs on desktops, mobile devices, and tablets

38.3 System runs on windows and mac operating systems **39. Pre-conditions**

39.1 There are existing events on the site

39.2 User is already logged in to the user profile

39.3 System must be up and running

39.4 User has already RSVPed for event **40. Post-conditions**

40.1 System removes that user as an Attendee

40.2 System no longer shows that the user has an RSVP for the event

40.3 System removes the event on a user calendar

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**Use Case Specification: Look Up Core Facilities**

**41. Look Up Core Facilities**

**41.1 Brief Description**

This use case describes how a user would look up core facilities on the R&I website. **42. Flow of Events**

**42.1 Basic Flow**

• User selects “For Researchers” tab

• User selects “Core Facilities”

• User selects

• Use case ends **43. Special Requirements**

43.1 System runs on desktops, mobile devices, and tablets

43.2 System runs on windows and mac operating systems **44. Pre-conditions**

44.1 There is an existing section populated with the core research facilities

44.2 System must be up and running **45. Post-conditions**

45.1 System allows users to look at each facility

45.2 System displays pictures relevant to each facility

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**Use Case Specification: <Create Announcement>**

**46. Create Announcement**

**46.1 Brief Description**

User creates announcement page to be displayed in the announcements list **47. Flow of Events**

**47.1 Basic Flow**

• User selects the create announcement option in the administrative tab

• Enter announcement title

• Enter announcement text body

• Enter announcement post date

• Enter announcement post time

• Enter announcement automatic deletion date

• Submit

• Redirect to blank create announcement template

• Use case ends **48. Special Requirements**

**49. Pre-conditions**

**49.1 Database containing announcement data is online**

**49.2 Website is online**

**49.3 User has administrative privileges 50. Post-conditions**

**51. Extension Points**

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**Use Case Specification: <Create Grant>**

**52. Create Grant**

**52.1 Brief Description**

User creates grant information posting **53. Flow of Events**

**53.1 Basic Flow**

• Select Create Grant from administrative tab

• Enter Grant title

• Enter grant issuer

• Enter grant Amount

• Enter grant description

• Enter grant application due date

• Submit

• Redirect to administrative tab

• Use case ends

**53.2 Alternative Flows 54. Special Requirements**

**55. Pre-conditions**

**55.1 Website is online**

**55.2 Grants database online**

**55.3 User has administrative privileges 56. Post-conditions**

**57. Extension Points**

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**Use Case Specification: <Create Newsletter post>**

**58. Create Newsletter post**

**58.1 Brief Description**

User will draft a newsletter post which will then be emailed to all addresses that have signed up. **59. Flow of Events**

**59.1 Basic Flow**

• Select New Newsletter from the administrative tab

• Enter title

• Enter text body

• Select send date

• Submit

• Use case ends

**59.2 Alternative Flows 60. Special Requirements**

**61. Pre-conditions**

**61.1 User has administrative privileges**

**61.2 Website is online**

**61.3 Newsletter email database is online**

**61.4 Website is online 62. Post-conditions**

**63. Extension Points**

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Iteration2 Version: 1.0 Use Cases Date: 03/March/20 Scott Pettyjohn, Meelan Mishra, Nathan Moran, Mohammed Al Madhi, Robert Burch, Joseph Baxter

**Use Case Specification: <Delete Announcement>**

**64. Delete Announcement**

**64.1 Brief Description**

User deletes pre-existing announcement **65. Flow of Events**

**65.1 Basic Flow**

• User selects the delete announcement option in the administrative tab

• Select announcement from list of all announcements

• Confirm deletion

• Use case ends **66. Special Requirements 67. Pre-conditions**

**67.1 Database containing announcement data is online**

**67.2 Website is online**

**67.3 User has administrative privileges 68. Post-conditions 69. Extension Points**

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**Use Case Specification: <Delete Grant>**

**70. Edit Grant**

**70.1 Brief Description**

User deletes pre-existing grant posting **71. Flow of Events**

**71.1 Basic Flow**

• Select Delete Grant from administrative tab

• Confirm deletion

• Use case ends

**71.2 Alternative Flows 72. Special Requirements**

**73. Pre-conditions**

**73.1 Website is online**

**73.2 Grants database online**

**73.3 User has administrative privileges 74. Post-conditions**

**75. Extension Points**

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**Use Case Specification: <Edit Announcement>**

**76. Edit Announcement**

**76.1 Brief Description**

User edits a pre-existing announcement post **77. Flow of Events**

**77.1 Basic Flow**

• User selects the edit announcement option in the administrative tab

• Select announcement from announcements list

• Enter announcement title

• Enter announcement text body

• Enter announcement post date

• Enter announcement post time

• Enter announcement automatic deletion date

• Submit

• Redirect to administrative tab

• Use case ends **78. Special Requirements**

**79. Pre-conditions**

**79.1 Database containing announcement data is online**

**79.2 Website is online**

**79.3 User has administrative privileges 80. Post-conditions**

**81. Extension Points**

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**Use Case Specification: <Edit Grant>**

**82. Edit Grant**

**82.1 Brief Description**

User creates grant information posting **83. Flow of Events**

**83.1 Basic Flow**

• Select Edit Grant from administrative tab

• Select from list of all grants

• Enter Grant title

• Enter grant issuer

• Enter grant Amount

• Enter grant description

• Enter grant application due date

• Submit

• Redirect to administrative tab

• Use case ends

**83.2 Alternative Flows 84. Special Requirements**

**85. Pre-conditions**

**85.1 Website is online**

**85.2 Grants database online**

**85.3 User has administrative privileges 86. Post-conditions 87. Extension Points**

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**Use Case Specification: <Edit/Resend Newsletter post>**

**88. Edit/Resend Newsletter post**

**88.1 Brief Description**

User will edit and resend updated newsletter. This will allow for users to make quick corrections to already sent newsletter posts **89. Flow of Events**

**89.1 Basic Flow**

• Select Edit/Resend Newsletter from administrative tab

• Select pre-existing newsletter post from previous newsletters

• Enter title

• Enter text body

• Select send date

• Submit

• Use case ends

**89.2 Alternative Flows 90. Special Requirements**

**91. Pre-conditions**

**91.1 User has administrative privileges**

**91.2 Website is online**

**91.3 Newsletter email database is online**

**91.4 Website is online 92. Post-conditions**

**93. Extension Points**

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Iteration2 Version: 1.0 Use Cases Date: 03/March/20 Scott Pettyjohn, Meelan Mishra, Nathan Moran, Mohammed Al Madhi, Robert Burch, Joseph Baxter

**Use Case Specification: Search Contact Information**

**94. Search Contact Information**

**94.1 Brief Description**

Users can select from a list of available contacts, grouped by department, or search with keywords to find the desired contact **95. Flow of Events**

**95.1 Basic Flow**

• Select the contact tab on the home page

• Select desired contact from list of all contacts

• Select contact method

• Use Case ends

**95.2 Alternative Flows**

**95.2.1 Keyword Search**

• Select the contact tab on the home page

• Arrive at contacts page

• Enter keyword into search bar

• Select from now curated list of contacts

• Arrive at specific contact page for the person selected

• Select contact method

• Use case ends **96. Special Requirements**

**97. Pre-conditions**

**97.1 Database must be updated**

**97.2 Database must be online**

**97.3 System must be online**

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**Use Case Specification: <Access Research Statistics>**

**98. Access Research Statistics**

**98.1 Brief Description**

Users will search for reports pertaining to results of previous research projects **99. Flow of Events**

**99.1 Basic Flow**

• User will select the research statistics page from the home directory

• Users will arrive at a page listing all projects with released information

• Users will select desired research project

• User will arrive at the project page

• Users will select from the reports available

• User will arrive at a page containing the report requested

• Use case ends

*99.1.1* **Alternative Flow**

• User will select the research statistics page from the home directory

• Users will arrive at a page listing all projects with released information

• Users will type keywords into the search bar

• Users will select desired research project

• User will arrive at the project page

• Users will select from the reports available

• User will arrive at a page containing the report requested

• Use case ends

**100. Special Requirements**

**100.1 Research Result Database 101. Pre-conditions**

**101.1 System Online**

**101.2 Database Online**

**101.3 Database Updated**

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Meelan Mishra **Use Case: Create survey report** Create survey report This use case describes how users can create the survey reports. **Basic Flow:**

● User select the survey reports option in research tab

● Enter survey title.

● Enter survey text

● Enter survey Dates

● Enter posted time

● Summit

● Survey created

● End use case

**Alternative flow:**

● User select the survey reports option in research tab

● User leave one field blank

● User summit

● Error message “Field cannot be blank”

● User field the blank

● User summit

● Message “Approve”

**System Requirement:** Websites must be built in software and databases which allow users to edit the field. **Pre-condition** Users must have valid email to access the site. **Post-Condition** Survey is created.

**Use Case: Edit Survey report Edit survey report** This use case describes how users will edit survey reports. **Basic Flow:**

● User click on create survey report in research tab

● User click on edit tab on the side of field

● Update or enter the new survey title

● Enter the new survey text

● Enter new survey Date

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● Enter new survey time

● Summit

● Survey updated

**Alternative flow:**

● User clicks on create survey report in research tab

● User click on edit tab on the side of field

● User enter the new survey text

● User leave others field same

● User summit

● Error message “survey is not edited”

● User edit all the tab

● Message “survey edited”

**System Requirement:** Websites must be built in software and databases which allow users to edit the field. **Pre-Condition:** Users must have the previous survey. **Post-Condition:** Survey is edited.

**Use Case: Delete survey report Delete survey report** This use case describes how users will delete survey reports that were posted by them and want to remove. **Basic Flow:**

● User click on create survey report in research tab

● User clicks on the delete under the survey reports

● Message “Do you want to delete” Yes or No

● User click on yes

● Message “survey deleted”

● End use case

**Alternative Flow:**

● User click on create survey report in research tab

● User clicks on the delete under the survey reports

● Message “Do you want to delete” Yes or NO

● User clicks on No

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● Survey remains same

● End use case

**System Requirement:** Websites must be built in software and databases which allow users to edit the field. **Pre-condition:** There must be a survey already. **Postcondition:** survey deleted.

**Use Case: Login** Login This use case describes how users will login to the account. **Basic Flow:**

● User goes to university of Louisville and innovation website

● User clicks on my account

● User enter user id

● User enter 1

password

● Click summit

● End use case

**Alternative Flow:**

● User goes to university of Louisville and innovation website

● User clicks on my account

● User enter invalid id or password

● Error Message “wrong id or password”

● User enter valid id or password

● User clicks on login

● End use case

**System Requirement:** Websites must have a built-in software/script that will allow users to login with secure and privacy. **Pre-condition:** User is not logged in to their account. **Postcondition:** User is logged in.

**Use Case: Logout** Logout This use case describe how users can logout from their account **Basic Flow:**

● User goes to university of Louisville and innovation website

● User clicks on my account at the top right-hand Confidential ©Inves-Tech, 2020 Page 22

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● User clicks on logout

● Message “Yes or No

● User click on Yes

● End use case

**Alternative Flow:**

● User goes to university of Louisville and innovation website

● User clicks on my account at the top right-hand

● User clicks on logout

● Message “Yes or No

● User clicks on No

**System Requirement:** Website must have a built-in software/script that will allow user to login and out with secure and privacy **Pre-condition:** User should login already **Postcondition:** Logout from account

**Use Case: Create user profile** Create user profile This use case describe how users can create their user profile **Basic Flow:**

● User goes to university of Louisville Research and Innovation website

● User click on home page

● User clicks down on create user profile

● User enter First Name, Last Name, Date of birth, Security Question in the field

● User enter user id

● User enter password

● User conform password

● User click on create my profile

● Message “successfully Created”

● End use case

**Alternative Flow:**

● User click on home page

● User clicks down on create user profile

● User enter First Name, Last Name, Date of birth, Security Question in the field

● User enter user id

● User enter password

● User conform password

● User missed to enter some information Confidential ©Inves-Tech, 2020 Page 23

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● User click on create my profile

● Message “One or more field in not fill out”

● User fill all the required field

● Message “successfully Created”

**System Requirement:** Website must have a built-in software/script that will allow user to login with secure and privacy **Pre-Condition** User profile was not created **Post-Condition** User profile created

**Use Case: Edit User profile** Edit User profile This use case describe how users can **Basic Flow:**

● User click on home page

● User clicks on my Account

● User click on edit my profile

● User can edit First Name, Last Name, Date of birth, Security Question in the field

● User can edit user id

● User can edit password

● User click on create my profile

● Message “changed successfully”

● End use case

**Alternative Flow:**

● User click on home page

● User clicks on my Account

● User click on edit my profile

● User click on create user profile

● Message “No Changes”

**System Requirement:** Websites must be built in software and databases which allow users to edit the field. **Pre-condition:** the user must have a profile and be able to login. **Postcondition:** User account

**Use Case: Delete User Profile** Delete User Profile

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This use case describes how users can delete user profiles. **Basic Flow:**

● User click on home page

● User clicks on my Account

● User click on delete my profile

● Message “Do you want to delete your profile?”

● User click Yes

● Message “profile deleted”

● Profile deleted from database

● User receive confirmation email

● End use case

**Alternative Flow:**

● User click on home page

● User clicks on my Account

● User click on delete my profile

● Message “Do you want to delete your profile?”

● User click NO

● Message “Ok”

**System Requirement:** Websites must be built in software and databases which allow users to edit the field. **Pre-condition:** Users must have a user account logged in. **Postcondition:** User profile deleted from the database.

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Iteration2 Version: 1.0 Use Cases Date: 03/March/20 Scott Pettyjohn, Meelan Mishra, Nathan Moran, Mohammed Al Madhi, Robert Burch, Joseph Baxter Use Case Specification: Contact UofL Office of Research and Innovation

**1. Contact UofL Office of Research and Innovation**

**1.1 Brief Description**

This use case describes how Students and Visitors send emails directly to the University of Louisville Office of Research and Innovation through an embedded contact form. **2. Flow of Events**

**2.1 Basic Flow**

● User will click “About us” tab

● User clicks “Contact us” bar

● User enter “Subject”

● User enter “First Name”

● User enter “Last Name”

● User enter “Email”

● User enter “Phone”

● User enter “Message”

● User clicks “Send Email”

● Confirmation Box appears “Thank you! Your message has been successfully sent. We will contact you very soon!” **2.2 Alternative Flows**

**2.2.1 “Fields cannot be blank”**

● User will click “About us” tab

● User clicks “Contact us” bar

● User leaves one field blank

● User clicks “Send Email”

● Error Message box “Field cannot be blank”

● User enters missing field

● User clicks “Send Email”

● Confirmation Box appears “Thank you! Your message has been successfully sent. We will contact you very soon!”

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**3. Special Requirements**

3.1 Website must have a built-in software/script that will be able to get emails in a

secure and a private form. **4. Pre-conditions**

Senders must access UofL office of Research and innovation website’s form interface and have a valid personal email in which they can respond to. **5. Post-Conditions**

**5.1 Email Sent Successfully**

If the email was sent successfully a confirmation box appears with a message stating that it has been sent with a forwarded message to their personal email. **5.2 Email wasn’t sent Successfully**

If the email wasn’t sent, an error box appears stating the reason or asking the user to try again later.

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Iteration2 Version: 1.0 Use Cases Date: 03/March/20 Scott Pettyjohn, Meelan Mishra, Nathan Moran, Mohammed Al Madhi, Robert Burch, Joseph Baxter Use Case Specification: Edit Website

**1. Edit Website**

**1.1 Brief Description**

This use case describes how UofL Office of Research and Innovation administrator’s will be editing the site **2. Flow of Event**

**2.1 Basic Flow**

● User Access UofL Office of Research and Innovation Home Page

● User Enters Username

● User Enters Password

● User clicks “Login”

● User gets directed administrator portal

● User views site sources

● User Edits Site Header

● User clicks “Save” button

● Site Message “Update Successful” **2.2 Alternative Flows**

**2.2.1 “Incorrect login information”**

• User enters username

• User enters incorrect password

• User clicks “Login”

• Message box “Incorrect login information”

• User enters correct password

• User clicks “Login”

• User gets directed administrator portal **3. Special Requirements**

Website must have a built-in software and database in order to edit the site. **4. Pre-conditions**

User must be connected to the internet; user must be logged in and signed in as an administrator. **4.1 Pre-conditions 1**

● User must be and administrator in Office of Research and Innovation Site.

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**Post-Condition**

Website is updated successfully with the new requirement. Use Case Specification: Look up applications

**1. Look up applications 1.1 Brief Description**

This use case describes how Staff (Administrator) view students’ applications directly through the University of Louisville Office of Research and Innovation’s Website. **2. Flow of Events 2.1** Basic Flow

● User Access UofL Office of Research and Innovation Home Page

● User Enters Username.

● User Enters Password.

● User clicks “Login”.

● User gets directed to the administrator portal.

● User clicks “View Pending Applications Tab”.

● User clicks “Recipients Application”.

● User clicks “Review Applications”

● User clicks “Approve” to accept recipient’s application **2.2 Alternative Flows**

● User Access UofL Office of Research and Innovation Home Page

● User Enters Username.

● User Enters Password.

● User clicks “Login”.

● User gets directed to the administrator portal.

● User clicks “View Pending Applications” Tab.

● User clicks “Students Application” bar from the tab.

● User clicks “Review Applications”

● User clicks “Deny” denying student’s application **3. Special Requirement**

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**3.1 Staff Role**

User must have role to accept or deny recipients **4. Pre-conditions 4.1** Internet Access, Staff role and Administrator permission is required to login to the

admin portal **5. Post-condition 5.1 Denied or Accepted**

After staff Accepts an application an email will be sent to the recipient’s email address congratulating them on their acceptance. If a staff denies recipient application, an email will be sent with proper reason on why they have been denied.

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Use Case Specification: Look up events

**1. Look up Events**

**1.1 Brief Description**

This use case describes how students, visitors and staff can look up the events on the University of Louisville Office of Research and Innovation’s Website. **2. Flow of Events**

**2.1 Basic Flow**

• User clicks “Search” from drop menu

• User Selects “Events”

• User Types in an event keyword in search bar.

• User Clicks “Search”

• User Clicks on event result

• User gets directed to the event. **2.2 Alternative Flow**

• User clicks “Search” from drop menu

• User Selects “Events”

• User Types in an unknow event title in the search bar.

• User Clicks “Search”

• Search Results Message “There are no matching”

• User types in a correct event keywork

• User Clicks “Search”

• User Clicks on event result

• User gets directed to the event. **3. Special Requirements**

Database of upcoming, current and past events. **4. Pre-conditions**

4.1 Internet Access is required, and user must be on UofL Office of R&I site. **5. Post-condition**

5.1

User gets directed to the event once search result has been clicked.

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Use Case Specification: Look up search history

**1. Look up search history**

**1.1 Brief Description**

This use case describes how a user, visitor view search history on the University of Louisville Office of Research and Innovation’s Website. **2. Flow of Events**

**2.1 Basic Flow**

• User clicks on the “Search bar”

• Search history appears **2.2 Alternative Flows**

• User clicks on the “Search bar”

• Partial of search history appears.

• User enters a keyword.

• Search history with the specified keyword appears. **3. Special Requirement**

3.1 Database, Script or software. Database, script and or special software that can save visitors search history. **4. Pre-condition**

User must have had few searches before viewing search history. **5. Post-condition**

User’s search history appears

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Use Case Specification: Look up grants

**1. Look up Grants**

**1.1 Brief Description**

This use case describes how a student at the University of Louisville can look for grants using Office of Research and Innovation’s Website. **2. Flow of Events**

**2.1 Basic Flow**

• Student Clicks “Research Support” from the navigation.

• User clicks “Find Funding” option in the drop menu.

• User click “Federal Grants” user get directed to federal grants page

• List of all Federal agency’s grants appear

• User clicks on specified Grant Agencies.

• User gets directed to the site. **2.2 Alternative Flows 3. Special Requirement**

User must be a student at the UofL to be eligible for funds. **4. Pre-condition**

**4.1 Web Access**

Web access is required to access the Office of Research and Innovation’s Website. **4.2 Grants availability**

Grants must be available in order to apply for. **5. Post-condition**

**5.1 Grants Application Accepted** Once a student gets directed to grants agencies site, if the students get the grants School must be notified by the agencies.

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Use Case Specification: Browse Social Media

**1. Browse Social Media** 1.1 Brief Description

The purpose of this case is to allow students and visitors to browse the University of Louisville Office of Research and Innovation’s Social Media. **2. Flow of Events**

**2.1 Basic Flow**

• User Scrolls until sees “Connect With:”

• User Clicks Facebook logo “F”

• User gets directed to Office of R&I Page **2.2 Alternative Flow 2.2.1 Twitter**

• User Scrolls until sees “Connect With:”

• User Clicks Twitter logo.

• User gets directed to Office of R&I twitter Page **2.3 Alternative Flow** 2.2.2 **LinkedIn**

• User Scrolls until sees “Connect With:”

• User Clicks LinkedIn Logo “in”

• User gets directed to Office of R&I LinkedIn Page **3. Special Requirements 4. Pre-conditions 4.1 Web Access**

Web access is required to access the Office of Research and Innovation’s Website. **5. Post-conditions**

**4.2 User Browse Social Media** Once user clicks the preferred social media source, then the user can browse Office of R&I posts and status updates.

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Use Case Specification: Follow Social Media

**1. Follow Social Media 1.1 Brief Description**

The purpose of this case is to allow students and visitors to follow the University of Louisville Office of Research and Innovation’s on Social Media. **2. Flow of Events 2.1 Basic Flow**

• User Scrolls until sees “Connect With:”

• User Clicks Facebook logo “F”

• User gets directed to Office of R&I Page

• User will be asked to sign-in to Facebook

• User clicks “Like Page” to Follow the page on Facebook **2.2 Alternative Flow 2.2.1 Twitter**

• User Scrolls until sees “Connect With:”

• User Clicks Twitter logo.

• User gets directed to Office of R&I twitter Page

• User will be asked to sign-in Twitter

• User clicks “Follow” to follow the page on Twitter **2.2.2 LinkedIn**

• User Scrolls until sees “Connect With:”

• User Clicks LinkedIn Logo “in”

• User gets directed to Office of R&I LinkedIn Page

• User will be asked to sign-in to LinkedIn

• User Clicks “Follow” to follow the page on LinkedIn **3. Special Requirement**

**3.1 Social Media Account**

User must have an account in their preferred social media site that they would like to follow. **4. Pre-condition**

**4.1 Internet access**

Internet Access is required to access the Office of Research and Innovation’s Social media sites **4.2 Valid Account**

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Valid Social Media Account must exist before attempting to follow us on any social media account **5. Post-condition**

Students and visitors can follow Office of Research and Innovation’s on Social Media for updates.

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**Use Case Specification: <Delete User Profile>**

**1. Delete User Profile**

**1.1 Brief Description**

This use case describes how a user can delete their profile. **2. Flow of Events**

**2.1 Basic Flow**

● Login to Research and Innovation Website

● Click on “Profile Settings”

● Click on “Delete Profile”

● Confirmation box appears: “Are you sure you want to delete your profile?”

● Click on “Yes” **2.2 Alternate Flow**

● Login to Research and Innovation Website

● Click on “Profile Settings:

● Click on “Delete Profile”

● Confirmation box appears: “Are you sure you want to delete your profile?”

● Click on “No”

● Confirmation box disappears **3. Special Requirements**

**4. Pre-Conditions**

**4.1 User has account 4.2 User is logged into account 5. Post-Conditions 5.1 User profile is deleted**

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**Use Case Specification: <Edit Rotating Banner>**

**1. Edit Rotating Banner**

**1.1 Brief Description**

This use case describes how a website admin can edit the rotating banner. **2. Flow of Events**

**2.1 Basic Flow**

● Login to admin account

● Go to main webpage

● Click the “Edit” button on the rotating banner.

● Click “Add” button

● Select which photo or video to add

● Click “Save” **2.2 Alternate Flow**

● Login to admin account

● Go to main webpage

● Click the “Edit” button on the rotating banner.

● Click the “X” above a photo

● Click “Save” **3. Special Requirements**

**4. Pre-Conditions**

**4.1 User is logged in**

**4.2 User has administrative privileges 5. Post-Conditions 5.1 Banner has been updated with new photo or video 5.2 Banner has had**

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**Use Case Specification: <Login to iRIS>**

**1. Login to iRIS**

**1.1 Brief Description**

User creates announcement page to be displayed in the announcements list **2. Flow of Events**

**2.1 Basic Flow**

● Hover over the tab for researchers

● Click on “Login to iRIS”

● Enter username

● Enter password

● Click “Login” **2.2 Alternate Flow** 2.2.1 Incorrect Username or Password

● Hover over the tab for researchers

● Click on “Login to iRIS”

● Enter username

● Enter password

● Click “Login”

● Site Message: “Incorrect username or password” 2.2.1 Forgot Password

● Hover over the tab for researchers

● Click on “Login to iRIS”

● Click “Login Issues Link”

● Follow Prompts **3. Special Requirements 4. Pre-conditions**

**4.1 User is logging into iRIS 5. Post-conditions 5.1 User is logged into iRIS**

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**Use Case Specification: <Lookup Awards>**

**1. Lookup Awards**

**1.1 Brief Description**

This use case describes how the user can find awards. **2. Flow of Events**

**2.1 Basic Flow**

● Click on Search Bar

● Type in name of award

● Click on correct award **2.2 Alternate Flow**

● Hover over the students tab

● Click on “Awards”

**3. Special Requirements**

**4. Pre-Conditions**

**4.1 Award data is updated correctly**

**5. Post-Conditions 5.1 Award information known**

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**Use Case Specification: <Lookup Forms>**

**1. Lookup Forms**

**1.1 Brief Description**

This use case describes how a user can lookup forms. **2. Flow of Events**

**2.1 Basic Flow**

● Users scrolls over tabs depending on who they are.

● Click on “Forms” on the tab.

● Scroll through Form options **2.2 Alternative Flow**

● Click on the Search Bar

● Type in the name of the form

● Click on form **3. Special Requirements**

**4. Pre-Conditions**

**4.1 Correct forms are updated 4.2 Forms are functioning 5. Post-Conditions 5.1 Find information on Forms 5.2 Submit Form**

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**Use Case Specification: <Lookup Past Research>**

**1. Lookup Past Research**

**1.1 Brief Description**

This use case describes how a user can lookup past research **2. Flow of Events**

**2.1 Basic Flow**

● Scroll over tab for researchers

● Click on Past Research

● Scroll through past research **2.2 Alternate Flow**

● Click on Search Bar

● Type in name of past research

● Click on past research **3. Special Requirements**

**4. Pre-Conditions**

**4.1 Previous research is input 5. Post-Conditions 5.1 Leave with knowledge of past research**

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**Use Case Specification: <Submit Industry Request Form>**

**1. Submit Industry Request Form**

**1.1 Brief Description**

This use case describes how a user can submit an industry request form. **2. Flow of Events**

**2.1 Basic Flow**

● Scroll over the “Industry” tab

● Click on “Forms”

● Click on “Industry Request Form” **2.2 Alternate Flow**

● Click the Search Bar

● Type “Industry Request Form”

● Click on “Industry Request Form” **3. Special Requirements**

**4. Pre-Conditions**

**4.1 Industry Request Form is working 5. Post-Conditions 5.1 Form was submitted**

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**Use Case Specification: Accept Industry Proposal for UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**102. Accept an Industry Proposal to the Office of Research and Innovation**

**102.1 Brief Description**

This use case describes how an Administrator accepts a proposal from a business/entity on the University Research and Innovation Website which creates an opportunity for students and industry to work together on a project.

**103. Flow of Events**

**103.1 Basic Flow**

• User will click “Industry” tab

• User clicks “View Proposals” button

• User reviews all data field containing info about the proposal (Ex. Company Name, Project Topic/Project Goals, etc.)

• User clicks “Accept” button

• Confirmation Box appears: “[Proposal Name] has been accepted!”

**103.2 Alternative Flows**

*103.2.1 “Proposal is outside of University interests”*

• User will click “Industry” tab

• User clicks “View Proposals” button

• User reviews all data field containing info about the proposal (Ex. Company Name, Project Topic/Project Goals, etc.)

• User finds error with proposal

• User clicks “Decline” button

• Confirmation Box appears: “[Proposal Name] has been Declined!”

*103.2.2 “Proposal does not fulfill all expectations of a proposal”*

• User will click “Industry” tab

• User clicks “View Proposals” button

• User reviews all data field containing info about the proposal (Ex. Company Name, Project Topic/Project Goals, etc.)

• User finds that fields have been filled in incorrectly

• User clicks “Decline” button

• Confirmation Box appears: “[Proposal Name] has been Declined!”

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**104. Special Requirements**

**104.1** Website must have a form widget that allows for industries to submit proposals to the website for

reviewing. **105. Pre-conditions**

105.1 User must have administrative access to UofL office of Research and Innovation website **106. Post-conditions**

*106.1 “Proposal is successfully accepted”*

If Proposal is successfully accepted user will receive a confirmation message box informing user that the proposal has been accepted and saved to the database.

5.2 *“Proposal is declined”*

If Proposal is declined user will receive an error message box informing user that the proposal has been declined and removed from the submissions database.

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**Use Case Specification: Delete Industry Proposal for UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**107. Delete an Industry Proposal to the Office of Research and Innovation**

**107.1 Brief Description**

This use case describes how an Administrator deletes a proposal from a business/entity on the University Research and Innovation Website.

**108. Flow of Events**

**108.1 Basic Flow**

• User will click “Industry” tab

• User clicks “View Proposals” button

• User selects Proposal from list of proposals

• User clicks “Delete Proposal” button

• Message Box appears: “[Proposal Name] will be deleted, are you sure?”

• User clicks “Yes” Button

• Confirmation Box appears: “[Proposal Name] has been deleted!”

**108.2 Alternative Flows**

*108.2.1 “User does not have permission to delete this proposal”*

• User is signed into a personal account instead of Admin account

• User will click “Industry” tab

• User clicks “View Proposals” button

• User selects Proposal from list of proposals

• User clicks “Delete Proposal” button

• User receives Error Box: “You don’t have permission to access this function!”

• User signs into Administrative Account

• User will click “Industry” tab

• User clicks “View Proposals” button

• User selects Proposal from list of proposals

• User clicks “Delete Proposal” button

• Message Box appears: “[Proposal Name] will be deleted, are you sure?”

• User clicks “Yes” Button

• Confirmation Box appears: “[Proposal Name] has been deleted!”

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**109. Special Requirements**

**109.1** Website must have a form widget that allows for industries to submit proposals to the website and

allows for proposals to be deleted by Administrator. **110. Pre-conditions**

110.1 User must have administrative access to UofL office of Research and Innovation website **111. Post-conditions**

*111.1 “Proposal is Successfully Deleted”*

If Proposal is successfully deleted user will receive a confirmation message box informing user that the proposal has been deleted from the proposal database.

5.2 *“Proposal isn’t Successfully Deleted”*

If Proposal isn’t successfully deleted user will receive an error message box informing user that the Proposal hasn’t been deleted and what caused the deletion of the Proposal to fail.

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Iteration2 Version: 1.0 Use Cases Date: 03/March/20 Scott Pettyjohn, Meelan Mishra, Nathan Moran, Mohammed Al Madhi, Robert Burch, Joseph Baxter

**Use Case Specification: Edit Industry Proposal for UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**112. Edit an Industry Proposal to the Office of Research and Innovation**

**112.1 Brief Description**

This use case describes how an Administrator edits a proposal from a business/entity on the University Research and Innovation Website which allows the user to interface with proposals and make necessary changes to them.

**113. Flow of Events**

**113.1 Basic Flow**

• User will click “Industry” tab

• User clicks “View Proposals” button

• User clicks “Edit Proposal” button

• User edits data field(s) of the proposal that need changing

• User clicks “Apply” button

• Confirmation Box appears: “[Proposal Name] has been edited!”

**113.2 Alternative Flows**

*113.2.1 “Edited Proposal has a blank field”*

• User will click “Industry” tab

• User clicks “Edit Proposals” button

• User edits data field(s) of the proposal that need changing

• User leaves a field blank

• User clicks “Apply” button

• Error Message appears: “Fields must contain valid data types only!”

• User fills in blank field

• Confirmation Box appears: “[Proposal Name] has been edited!”

**114. Special Requirements**

**114.1** Website must have a form widget that allows for industries to submit proposals to the website and

allows for proposals to be edited by Administrator. **115. Pre-conditions**

115.1 User must have administrative access to UofL office of Research and Innovation website **116. Post-conditions**

*116.1 “Proposal is successfully edited”*

If Proposal is successfully edited user will receive a confirmation message box informing user that

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the proposal has been edited and saved to the database.

5.2 *“Proposal edit cannot be applied”*

If Proposal edit throws an exception user will receive a error message box informing user that the proposal edit has been declined.

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**Use Case Specification: Create Statistic for UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**117. Create a Statistic for Office of Research and Innovation Calendar**

**117.1 Brief Description**

This use case describes how an Administrator creates a statistic using data from the Department of Research and Innovation on the University of Louisville Office of Research and Innovation Website’s Statistic Widget on the Website Homepage.

**118. Flow of Events**

**118.1 Basic Flow**

• User will click on the Statistics Widget to expand widget

• User clicks “Add Statistic” button

• User enters the data for the desired statistic to be added into form which will format the info to appear in the widget

• User clicks “Create Statistic” button

• Confirmation Box appears: “Statistic has been successfully added!”

**118.2 Alternative Flows**

*118.2.1 “Field(s) cannot be blank”*

• User will click on the Statistics Widget to expand widget

• User clicks “Add Statistic” button

• User enters the data for the desired statistic to be added into form which will format the info to appear in the widget

• User leaves a field blank

• User clicks “Create Statistic” button

• Error Message appears: “No fields can be blank when editing a statistic!”

• User fills in blank field

• User clicks “Create Statistic” button

• Confirmation Box appears: “Statistic has been successfully added!”

*118.2.2 “Fields must contain correct data type”*

• User will click on the Statistics Widget to expand widget

• User clicks “Add Statistic” button

• User enters the data for the desired statistic to be added into form which will format the info to appear in the widget

• User inputs invalid data type into a field (Ex. Letters in a number only field)

• User clicks “Create Statistic” button

• Error Message appears: Error Message appears: “Fields must contain valid data types only!”

• User replaces invalid data types with valid data types

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• User clicks “Create Statistic” button

• Confirmation Box appears: “Statistic has been successfully added!”

**119. Special Requirements**

119.1 Website must have a statistic display widget to be able to create, edit, and store statistics.

**120. Pre-conditions**

120.1 User must have administrative access to UofL office of Research and Innovation website and

new data to input for the statistic. **121. Post-conditions**

*121.1 “Statistic is Successfully Created”*

If Statistic is successfully created user will receive a confirmation message box informing user that the statistic has been initialized and stored to the statistic widget.

*121.2 “Statistic is not Created”*

If Statistic is unable to be created user will receive a error message box informing user why the Statistic could not be created.

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**Use Case Specification: Delete Statistic for UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**122. Delete a Statistic for Office of Research and Innovation Statistic Widget**

**122.1 Brief Description**

This use case describes how an Administrator Deletes a Statistic on the integrated Statistic Widget on the University Research and Innovation Website.

**123. Flow of Events**

**123.1 Basic Flow**

• User will click on the Statistics Widget to expand widget

• User clicks “Delete Statistic” button

• User selects a Statistic from the Widget

• User clicks “Delete” button

• Confirmation Box appears: “Are you sure you want to delete this statistic?”

• User clicks “Confirm” button

• Confirmation Box appears: “Statistic has been successfully deleted!”

**123.2 Alternative Flows**

*123.2.1 “User does not have permission to delete this event”*

• User is signed into a personal account instead of Admin account

• User will click on the Statistics Widget to expand widget

• User clicks “Delete Statistic” button

• User selects Statistic to be deleted

• User selects “Delete” Button

• User receives Error Box: “You don’t have permission to access this function!”

• User signs into Administrative Account

• User will click on the Statistics Widget to expand widget

• User clicks “Delete Statistic” button

• User selects Statistic to be deleted

• User selects “Delete” Button

• Confirmation Box appears: “Are you sure you want to delete this statistic?”

• User clicks “Confirm” button

• Confirmation Box appears: “Statistic has been successfully deleted!”

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**124. Special Requirements**

124.1 Website must have a statistic display widget to be able to create, edit, and store statistics. **125. Pre-conditions**

125.1 User must have administrative access to UofL office of Research and Innovation website **126. Post-conditions**

*126.1 “Statistic is Successfully Deleted”*

If Statistic is successfully Deleted user will receive a confirmation message box informing user that the statistic has been deleted from the Statistic Widget.

5.2 *“Statistic isn’t Successfully Deleted”*

If Statistic isn’t successfully deleted user will receive an error message box informing user that the Statistic hasn’t been deleted and what caused the deletion of the Statistic to fail.

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**Use Case Specification: Edit Statistic for UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**127. Edit a Statistic for Office of Research and Innovation Calendar**

**127.1 Brief Description**

This use case describes how an Administrator edits a statistic on the University of Louisville Office of Research and Innovation Website’s Statistic Widget on the Website Homepage.

**128. Flow of Events**

**128.1 Basic Flow**

• User will click on the Statistics Widget to expand widget

• User clicks “Edit Statistic” button

• User changes desired field containing info about the event (Ex. Name, Time/Place, etc.)

• User clicks “Confirm Changes” button

• Confirmation Box appears: “Statistic has been successfully edited!”

**128.2 Alternative Flows**

*128.2.1 “Field(s) cannot be blank”*

• User will click on the Statistics Widget to expand widget

• User clicks “Edit Statistic” button

• User changes desired field containing info about the Statistic

• User leaves a field blank

• User clicks “Confirm Changes” button

• Error Message appears: “No fields can be blank when editing a statistic!”

• User fills in blank field

• User clicks “Confirm Changes” button

• Confirmation Box appears: “Statistic has been successfully edited!”

*128.2.2 “Fields must contain correct data type”*

• User will click on the Statistics Widget to expand widget

• User clicks “Edit Statistic” button

• User changes desired field containing info about the Statistic

• User inputs invalid data type into a field (Ex. Letters in a number only field)

• User clicks “Confirm Changes” button

• Error Message appears: “Fields must contain valid data types only!”

• User replaces invalid data types with valid data types

• User clicks “Confirm Changes” button

• Confirmation Box appears: “Statistic has been successfully edited!”

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**129. Special Requirements**

129.1 Website must have a statistic display widget to be able to create, edit, and store statistics.

**130. Pre-conditions**

130.1 User must have administrative access to UofL office of Research and Innovation website and

new data to input for the statistic. **131. Post-conditions**

*131.1 “Statistic is Successfully Edited”*

If Statistic is successfully edited user will receive a confirmation message box informing user that the statistic has been edited and stored to the statistic widget.

*131.2 “Statistic can’t be Edited”*

If Statistic is unable to be edited user will receive a error message box informing user why the Statistic could not be edited.

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**Use Case Specification: Apply for Grant through UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**132. Apply for a Grant through the Office of Research and Innovation**

**132.1 Brief Description**

This use case describes how a user applies for a Grant through the University Research and Innovation Website to help fund an academic project.

**133. Flow of Events**

**133.1 Basic Flow**

• User will click “Grant” tab

• User clicks “Apply for Grant” button

• User fills all required data fields for Grant Application (Ex. Name, Status (Student, Teacher, etc.))

• User clicks “Apply” button

• Confirmation Box appears: “[Username] has applied for [Grant Name]”

**133.2 Alternative Flows**

*133.2.1 “Field(s) cannot be blank”*

• User will click “Grant” tab

• User clicks “Apply for Grant” button

• User fills all required data fields for Grant Application

• User leaves a field blank

• User clicks “Apply” button

• Error Message appears: “No fields can be blank when applying for Grant!”

• User fills in blank field

• User clicks “Apply” button

• Confirmation Box appears: “[Username] has applied for [Grant Name]”

**134. Special Requirements**

**134.1** Website must have a form widget that allows for users to apply for Grants on the website for

reviewing by Administrators. **135. Pre-conditions**

135.1 User must have access to UofL office of Research and Innovation website **136. Post-conditions**

*136.1 “Grant is Successfully applied for”*

If Grant is successfully applied for user will receive a confirmation message box informing user that the application has been submitted and saved to the database.

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5.2 *“Grant Application fails”*

If application is declined user will receive an error message box informing user that the application has been declined and the reason for being declined.

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**Use Case Specification: Apply for Newsletter of UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**137. Apply for the Newsletter of the Office of Research and Innovation**

**137.1 Brief Description**

This use case describes how a user applies for updates through the official Newsletter of the University Research and Innovation Website.

**138. Flow of Events**

**138.1 Basic Flow**

• User will click “Newsletter” tab

• User clicks “Apply for Newsletter” button

• User fills all required data fields for Newsletter Application (Ex. Name, Contact info, etc.)

• User clicks “Apply” button

• Confirmation Box appears: “[Username] has applied for the Official UofL Research and Innovation Newsletter”

**138.2 Alternative Flows**

*138.2.1 “Field(s) cannot be blank”*

• User will click “Newsletter” tab

• User clicks “Apply for Newsletter” button

• User fills all required data fields for Newsletter Application

• User leaves a field blank

• User clicks “Apply” button

• Error Message appears: “No fields can be blank when applying for Newsletter!”

• User fills in blank field

• User clicks “Apply” button

• Confirmation Box appears: “[Username] has applied for the Official UofL Research and Innovation Newsletter”

**139. Special Requirements**

**139.1** Website must have a Newsletter widget that allows for users to apply for updates from the

Newsletter on the website. **140. Pre-conditions**

140.1 User must have access to UofL office of Research and Innovation website **141. Post-conditions**

*141.1 “Application is Successful”*

If Application is successful, user will receive a confirmation message box informing user that they

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will now receive notifications from the Office of Research and Innovation.

5.2 *“Application fails”*

If Application is declined user will receive an error message box informing user that the application has been declined and the reason for being declined.

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**Use Case Specification: Submit Proposal for UofL Office of Research and Innovation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**142. Submit a Proposal to the Office of Research and Innovation**

**142.1 Brief Description**

This use case describes how a professor submits a proposal to the University Research and Innovation Website which creates an opportunity for students and professors to work together on a project.

**143. Flow of Events**

**143.1 Basic Flow**

• User will click “Faculty” tab

• User clicks “Submit Proposals” button

• User fills all data field containing info about the proposal (Ex. Professor Name, Project Topic/Project Goals, etc.)

• User clicks “Submit” button

• Confirmation Box appears: “[Proposal Name] has been submitted!”

**143.2 Alternative Flows**

*143.2.1 “Field(s) cannot be blank”*

• User will click “Faculty” tab

• User clicks “Submit Proposals” button

• User fills all data field containing info about the proposal

• User leaves a field blank

• User clicks “Submit” button

• Error Message appears: “No fields can be blank when submitting a proposal!”

• User fills in blank field

• User clicks “Submit” button

• Confirmation Box appears: “[Proposal Name] has been submitted!”

**144. Special Requirements**

**144.1** Website must have a form widget that allows for professors to submit proposals to the website for

reviewing. **145. Pre-conditions**

145.1 User must have access to UofL office of Research and Innovation website **146. Post-conditions**

*146.1 “Proposal is successfully accepted”*

If Proposal is successfully accepted user will receive a confirmation message box informing user that the proposal has been accepted and saved to the database.

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5.2 *“Proposal is declined”*

If Proposal is declined user will receive a confirmation message box informing user that the proposal has been declined and removed from the submissions database.

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Use Case diagrams display the relationship of outside actors on the various systems in place. These diagrams not only outline who performs which actions, but also lays out administrative privileges. For example, only administrators may create, edit or delete contacts, but administrators, researchers, students and external individuals may all sear the contacts list.

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Meelan Mishra

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Use Case Diagram This use case diagram shows the relationships between the actor and different use cases in which the user is involved in. The Case Diagram below creates many use cases in which an actor instantiates one or many use cases, as represented by the connectors.

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The following use case diagram shows the various interactions between the Admin and the site as well as potential Users and the site. Each line points to a use case that an actor would perform. The figures on the left are the primary actors in each use case.

Create Event

Edit Event

Delete Event

Create Survey

Admin

Edit Survey

Delete Survey

RSVP For Event User

Cancel For Event

Research Core Facilities

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Gantt Chart This Gantt Chart lists the tasks of a project and the duration of how long tasks will take, as well as their dependencies.

Iteration2 Gantt Chart

Task ID Responsible: Task Name Start Date End Date Duration(Days): Days Remaining

1 Scott Use Case Set 1 3/18/2020 3/20/2020 2 0 2 Joseph Use Case Set 2 3/18/2020 3/20/2020 2 0 3 Mohammed Use Case Set 3 3/18/2020 3/20/2020 2 0 4 Meelan Use Case Set 4 3/18/2020 3/20/2020 2 0 5 Nathan Use Case Set 5 3/18/2020 3/20/2020 2 0 6 Robert Use Case Set 6 3/18/2020 3/20/2020 2 0 7 Mohammed Gantt Chart 3/19/2020 3/20/2020 2 0

Combine 8 Scott

It3/Submit 3/20/2020 3/20/2020 1 0

March 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Confidential ©Inves-Tech, 2020 Page 75

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Figure 1 below shows what the community landing page might look like. Considering there was not an existing one on the current R&I website, we took a few liberties in putting what we thought should exist on the page.

R&I Logo

Home About Research Industry Students Community Rotating Banner

Community Related News & Events

Community Update

Infographic Video

Links

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Donation Direction to Development

Figure 1

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Figure 2 below shows what an administrator might wee when creating, editing, or deleting a survey. The form offers many different types of questions, as well as a button to add more questions. The administrator basically has free range to go in and put whatever they need into the survey.

R&I Logo

Home About Research Industry Students Community Create/Edit/Delete Survey

Survey Title

Survey Info/Directions

Question 1

Survey question

Answers Question Type

**Multiple Choice**

Text box

Check box

Radio Button

Question 2

Multiple Choice

Add Question

Submit

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Enter multiple choice selection

Enter multiple choice selection

Enter multiple choice selection

Enter multiple choice selection

Survey question

Check box

Radio Button

Add another selection

Delete Question

Question Type

Answer

Enter default text for text box

**Text box**

Delete Survey

Figure 2

Delete Question

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Figure 2 below shows what an administrator might see when creating an event. There are text boxes used to enter in event information. There is also a calendar that can be used to select the date. This will help with validation and make it a bit easier to select the date. There is also a section to add any relevant pictures that will show up in the events widget.

R&I Logo

Home About Research Industry Students Community Event Form

Event Title\* Event Start Time\*

Event Location\*

Event End Time\*

About Event Info\*

Select Event Date\*

March 20

Attach Picture M

T W T F S S1

Picture 1

2 3 4 5 6 7 8

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

SubmitFigure 3

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Figure 4 below shows what an administrator might see when editing and deleting an event. The first widget is used to quickly delete an event by clicking the ‘x’ button on the right-hand side of each event. The other symbol is used to edit an event. It will let the administrator edit the event title. The second image is the event editor. It is a more detailed editor that lets the administrator make sweeping changes to an event.

Events

Event 1

Event 2

Event 3

Event 4

Event 5

Event Editor

Event Title

Event Title

Event Title

Event Title

Event Title

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Event Date Event Start Time Event End Time Location Picture Event Info

Event Title

Event Info

Event Date Event Start Time Event End Time Location Picture Event Title

Event Info

Event Date Event Start Time Event End Time Location

Picture Figure 4

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Figure 5 below shows what a new industry landing page might look like. Since there is not an existing page dedicated to industries on the site currently, we added what we thought would be beneficial for those stakeholders to see.

R&I Logo

Home About Research Industry Students Community Rotating Banner

Forms

Links

Industry Infographic

Industry Related News & Events

Figure 5

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