

Legacy Leavers:

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CIS 420

Professor Karimi

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Assignment 3

Updated Business Rules:

- **Admin**

- **Admin Account** can apply for one or many **Grants**
- **Grants** can be applied for by one or many **Admin Accounts**

- **Admin Accounts** may create many or no **Surveys**
- **Surveys** can be created by one or many **Admin Accounts**

- **Admin Accounts** may edit many or no **Surveys**
- **Surveys** can be edited by one or many **Admin Accounts**

- **Admin Accounts** may delete many or no **Surveys**
- **Surveys** can be deleted by one or many **Admin Accounts**

- **Admin Account** may create many or no **Events**
- **Events** can be created by one or many **Admin Accounts**

- **Admin Account** may edit many or no **Events**
- **Events** can be edited by one or many **Admin Accounts**

- **Admin Account** may delete many or no **Events**
- **Events** can be deleted by one or many **Admin Accounts**

- **Admin Accounts** may subscribe to many or no **Events**
- **Events** can be subscribed to by many or no **Admin Accounts**

- **Admin Accounts** may create the **Newsletters**
- **Newsletters** can be created by many or no **Admin Account**

- **Admin Accounts** may subscribe to the **Newsletter**
- **Newsletter** can be subscribed to by many or no **Admin Accounts**

- **Admin accounts** may edit the **Newsletter**
- **Newsletter** may be edited by one or many **Admin Accounts**

- **Admin accounts** may remove the **Newsletter**
- **Newsletter** may be removed by one or many **Admin Accounts**

- **Admin** accounts may connect **Social Media**
- **Social Media** may be connected to one **Admin Account**

- **Researcher**

- **Researcher Account** can be part of many or no **Clinical Trials**
- **Clinical Trials** can have many or no **Researcher Account**

- **Researcher Account** has many or no **Projects**
- **Projects** are with one **Researcher Account**

- **Researcher Accounts** can apply for one or many **Grants**

- **Grants** can be applied for by one or many **Researcher Accounts**

- **Researcher Account** can submit many or no **Proposals**
- **Proposals** can be associated to one to many **Researcher**

- **Researcher Account** can edit many or no **Proposals**
- **Proposals** can be edited by many or no **Researcher Accounts**

- **Researcher Accounts** may subscribe to many or no **Events**
- **Events** can be subscribed to by many or no **Researcher Accounts**

- **Researcher Accounts** may subscribe to the **Newsletter**
- **Newsletter** can be subscribed to by many or no **Researcher Accounts**

- **Researcher** accounts may connect **Social Media**
- **Social Media** may be connected to one **Researcher account**

- **Researcher** accounts will be able to apply for **Clinical trials**
- **Clinical trials** will be applied for by many or no **Researcher accounts**

- **Researcher accounts** will be able to search for **Clinical trials**
- **Clinical trials** will be searched for by many or no **Researcher accounts**

- **Researcher accounts** will be able to access **iRIS**
- **iRIS** will be accessed by many or no **Student accounts**

- **Researcher accounts** will be able to access **ThinkIR**
- **ThinkIR** will be accessed by many or no **Researcher accounts**

- **Students**

- **Student Account** can be part of many or no **Clinical Trials**
 - **Clinical Trials** can have many or no **Student Account**
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- **Student Accounts** can apply for one or many **Grants**
 - **Grants** can be applied for by one or many **Student Accounts**
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- **Student Account** are associated many or no **Projects**
 - **Projects** are associated with many or no **Student Accounts**
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- **Student Account** can edit many or no **Projects**
 - **Projects** can be edited by many or no **Student Accounts**
-
- **Student Accounts** may subscribe to many or no **Events**
 - **Events** can be subscribed to by many or no **Student Accounts**
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- **Student Accounts** may subscribe to the **Newsletter**
 - **Newsletter** can be subscribed to by many or no **Student Accounts**
-
- **Student accounts** may connect **Social Media**
 - **Social Media** may be connected to one **Student account**
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- **Student accounts** will be able to apply for **Clinical trials**
 - **Clinical trials** will be applied for by many or no **Student accounts**

- **Student accounts** will be able to search for **Clinical trials**
- **Clinical trials** will be searched for by many or no **Student accounts**

- **Student accounts** will be able to access **iRIS**
- **iRIS** will be accessed by many or no **Student accounts**

- **Student accounts** will be able to access **ThinkIR**
- **ThinkIR** will be accessed by many or no **Student accounts**

System Requirements

Listed below are the requirements, both functional and non-functional that the system will possess. These requirements come from an analysis of the old website as well as those requested by the client.

Non-Functional Requirements

- NR1. The system must be constructed within WordPress
- NR2. The system shall be user friendly
- NR3. The system shall consist of organized tabular links
- NR4. The website will be designed around R&I business processes
- NR5. The system will retain all current information
- NR6. The system will feature a search bar
- NR7. The system will be available 24/7
- NR8. The system shall be recoverable
- NR9. The system will be backed up
- NR10. The system shall be accessible by multiple devices (mobile, tablet, desktop, etc.)
- NR11. The system shall have no broken or dead hyperlinks
- NR12. The system shall have a landing page
- NR13. The system shall have a funding/grant opportunities page
- NR14. The system shall have an industry specific page
- NR15. The system shall have a researcher specific page
- NR16. The system shall have a student (undergrad / graduate) specific page

Functional Requirements

R1. Grants

- 1.1 – The system shall allow users to find and apply for internal grants

1.2 – The system shall allow users to find and apply for external grants

1.3 – The system shall allow administration to upload grants based on utilization and availability

1.4 – The system shall allow admin to delete grants based on utilization and availability

1.5 – The system shall allow admin to modify existing internal grants and access to external grants

1.6 – The system shall allow users to save grants to their account

1.7 – The system shall allow users to delete grants from their account

R2. Registration

2.1 – The system shall provide a way for users to find for clinical trials

2.2 – The system shall allow users to access iRIS

2.3 – The system shall allow clinical researchers to create a chartfield

2.4 – The system shall allow users to create a general website profile

2.5 – The system shall allow users to modify the general profile

2.6 – The system shall allow users to delete the general profile

R3. Proposals

3.1 – The system shall allow users to submit a proposal for approval

3.2 – The system shall allow users to modify an already approved project proposal

3.3 – The system shall allow users to access various agreements and print them if needed

R4. Connect

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

R5. Support

- 5.1 – The system shall provide a form that industry can submit for information
- 5.2 – The system shall provide a redirect for users to UofL email gateway when trying to contact various support systems such as ORI, IACUC, etc.
- 5.3 – The system shall allow administration to create surveys
- 5.4 – The system shall allow administration to modify surveys
- 5.5 – The system shall allow administration to delete surveys

5.6 – The system shall allow for backups

5.7 – The system shall be recoverable

5.8 – The system shall allow access to ThinkIR accounts

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

5.10 – The system shall allow account usernames to be recovered

5.11 – The system shall allow account passwords to be recovered

5.12 – The system shall allow users to change account passwords