**Business Rules**

Roles:

Administrators will be provided special RBAC accesses and be provided special functions to manage the website.

A user is any person that can access the website, with or without a profile, and has permissions to edit public facing forms and apps.

A research is any researcher with a researcher profile that has special permissions for submitting grant and research applications in addition to all student and user permissions.

A student is a user with a student profile that has special permissions to access student specific apps and forms like iRIS but requires certain things to be reviewed by researchers.

A community/industry member is a user with special logins to their respective associations like clinical trials who have permissions to edit and submit forms relative to their scope.

**Administrator**

The administrator may create, edit, and delete zero to many news articles.

The news articles are created by one to many administrator accounts.

The administrator may create, edit, and delete zero to many grants.

Grants are managed by one to many administrator accounts.

The administrator may create, edit, and delete zero to many industry partners profiles.

Industry partner profiles are managed by one to many administrator accounts.

The administrator may create zero to many researcher profiles.

The researcher profiles are associated to one or many administrator accounts.

The administrator may create zero to many surveys.

Surveys can be created by one to many administrator accounts.

The administrator may create zero to many events.

Events are managed by one to many administrators account.

The administrator may create zero to many newsletters.

Newsletters can be created by one to many administrator accounts.

The administrator may create zero to many attendee lists.

The attendee list is associated with one to many administrator accounts.

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The administrator may create one to many forms.

Forms are edited by one to many administrator accounts.

The administrator may delete one to many forms.

Forms are deleted by one to many administrator accounts.

**Users**

A user can subscribe to one or more events.

One or more events can be associated with many users.

A user can edit and submit one or more forms.

Many forms can be associated with one to many users.

Users can subscribe to one or many newsletters.

Many newsletters can be associated with zero or many users.

User can create one and only one clinical unit trial profile.

Only one clinical unit trial profile can be associated with only one user.

One user can edit and submit one or many surveys

Many surveys can be associated with many students

**Researcher**

The researcher can participate in zero to many clinical trials.

Clinical trials can be associated with one to many researchers.

The researcher has zero to many projects.

Projects is managed by one to many researchers.

The researcher creates zero to many forms.

Forms are submitted by one to many researchers.

The researchers fill out zero to many surveys.

Surveys are associated with one to many researchers.

The researcher can edit and submit one or many grant forms.

Grants forms are managed by one to many researchers.

A researcher can create, edit, and submit one or more funding applications.

One funding application can be associated with one or many researchers.

**Student**

One student can edit and submit one or many research applications.

Many research applications can be associated with one student.

One student can edit one or many grant applications.

Many grant applications can be associated with one student.

**Community/Industry**

One community member can be associated with one profile.

One profile can be associated with one community member.

One community member can authenticate with clinical trials unit login.

Clinical trials unit login can authenticate many community members.

**Non-Functional requirements:**

1. The website system will follow University security guidelines.
2. The website system will be available every day of the week all year long.
3. The website system will be accessible from mobile devices.
4. The website system will be accessible from desktop devices.
5. The website system will regularly be backed up in case recovery is necessary.
6. The website system will use WordPress for the content management system.
7. The website system will use Microsoft SQL Server as the database.
8. The website system will use the firewalls already in place by UofL.
9. The website must comply to the standards of the Family Educational Rights and Privacy Act (FERPA).
10. The system will incorporate security guidelines and policies.
11. The website system will provide various device interoperability.
12. The website system will provide access to the iRIS portal.
13. The website system will provide access to InNet, which provides networking for researchers.
14. The website system will provide industry proposal forms from HubSpot.
15. The website system will provide a search tool for UofL’s repository of research publications.
16. The website system will provide resources for all O365 tools from the University for research efforts.
17. The website system will provide resources for all cloud technologies from the University for research efforts.
18. The website system will provide access to InNet, which provides networking for researchers.
19. The website system will provide industry proposal forms from HubSpot.
20. The website system will provide a search tool for UofL’s repository of research publications.
21. The website system will provide resources for all O365 tools from the University for research efforts.
22. The website system will provide resources for all cloud technologies from the University for research efforts.
23. The website system will provide access to ResearchMatch.org for clinical trials.
24. The website system will maintain current lead flows