Functional Requirements and Risk Analysis

# Technical risks:

**Low** - Very unlikely that this will occur during the life of the project

**Medium** - There is a 50-50 chance that this will occur during the life of the project

**High** - Very likely that this will occur during the life of the project challenges

**DESC**: Description, **RAT**: Rational, **DEP**: Dependency

## Functionality Requirements (essential)

ID: FR1

TITLE: Hosting Site

DESC: Site should be hosted on the web.

RAT: Site can be accessed by many users without download DEP: None

Risk: none

ID: FR2

TITLE: Login

DESC: The user should be able to login into page using NW id and password.

RAT: NW Login integration is done through LDAP.

DEP: FR1

Risk: none

ID: FR3

TITLE: Display Dashboard

DESC: Displaying the different dashboards for each of the accounts Admin, Faculty, and student.

RAT: For each account to have a different dashboard with different permissions they have DEP: FR2

Risk:(low) No design preferences, however, we would start off with taking the reference of Online Student Scheduler dashboard design for our development process.

ID: FR4

TITLE: Web Browser

DESC: Making sure the system is compatible with all web browsers (Firefox, Google Chrome, Internet Explorer, Safari, Edge, etc.)

RAT: For people to use and access the system

DEP: FR2, FR3

Risk: none

ID: FR7

TITLE: Logged Out

DESC: After 10 minutes of inactivity, the faculty, student, and admin to be logged out for security.

RAT: To prevent information getting out, logging out the faculty, student, and admin accounts after 10 minutes of inactivity.

DEP: FR2

Risk: none

ID: FR30

TITLE: Internship Database

DESC: MySQL database that holds all info on internships and internship applications RAT: All data will need to be stored so it can be accessed for all services.

DEP: FR1

Risk: none

## Student/User Function Requirements (Highest Priority)

ID: FR8

TITLE: Add/Drop Internship on CATPAWS

DESC: The user should be able to fill an application to add/drop an internship RAT: The student must be able to add or drop internship on CATPAWS.

DEP: none

Risk: none

ID: FR10

TITLE: Complete Internship Agreement

DESC: The student must be able to complete the Internship agreement RAT: Internship Agreement is necessary document that must be completed.

DEP: none.

Risk: none.

ID: FR11

TITLE: Fill up the application form

DESC: The student fills up the application form with the required details along with the details of the faculty and other employer details.

RAT: Filled application form is required before the application can be submitted to the faculty.

DEP: F10.

Risk: None

ID: FR12

TITLE: Submit the application form

DESC: The student fills up the application form with the required details along with the details of the faculty and other employer details and submits the application form to the faculty.

RAT: Filled application form is submitted to the faculty.

DEP: F11

Risk: None

ID: FR13

TITLE: Email Notification

DESC: Student receives an email once the application has been submitted to their respective advisor.

RAT: Student would want to know if their email had been sent

DEP: FR12

Risk: none

ID: FR14

TITLE: Update/Edit details on application

DESC: The student must be able to edit/continue (from where it was left) working on the details on the application before the document has been submitted.

RAT: User may need to change data after it has been entered. DEP: FR11

RISK: none

ID: FR15

TITLE: Offer Letter

DESC: The user must be able to attach the offer letter if they have it. RAT: Offer letter is valuable if it exists.

DEP: none

RISK: none

ID: FR16

TITLE: Check Status

DESC: The user should be able to check the status of application.

RAT: need to check status of approval.

DEP: FR14, FR25

RISK: none

## Faculty/Supervisor Functional Requirements (Medium Priority)

ID: FR17

TITLE: View Applications Details

DESC: Faculty should be able to view a list of all internship applications (current and past) and the status of those applications (pending, approved, or rejected).

RAT: Faculty need to be able to see the applications.

DEP: none

RISK: none

ID: FR18

TITLE: Selecting Applications

DESC: Faculty should be able to select any application and see the employer’s info, location, supervisor’s info, and student information.

RAT: Faculty should be able to select on a listed application and see the company and students in more details.

DEP: FR17

RISK: none

ID: FR19

TITLE: Approving Applications

DESC: Faculty should be able to approve or reject applications.

RAT: Faculty need to have the necessary permissions to reject or approve the application or move the application to pending if the application requires approval from other departments or changes are needed to be re-submitted by a student.

DEP: FR18

RISK: none

ID: FR20

TITLE: Adding Comments

DESC: Faculty should be able to add comments on pending applications for students to view and complete.

RAT: Faculty need to have the power to add comments to help the students. DEP: FR18

RISK: none

ID: FR21

TITLE: Update Application status

DESC: The faculty should be able to change the internship application status so that students are aware of the current status of the application.

RAT: Faculty need to be able to alter the status of an internship when changes are made to it. DEP: FR18

RISK: none

ID: FR22

TITLE: Search and Filter

DESC: Faculty should be able to search and filter the applications based on parameters such as First and last name, session, year, semester, employer, email address, and location.

RAT: Faculty need to be able to search and filter through the applications.

DEP: FR17

RISK: none

ID: FR23

TITLE: Dashboard Details

DESC: The faculty should be able to view the dashboard with details about the total interns under the faculty till date, total interns for the current semester, total interns for the previous semester, total students in state, total student out of state, total students needed to be approved, total students need action on their part, total applications waiting to be approved by department chair, etc.

RAT: Faculty need to see many different details about internships on the dashboard.

DEP: FR17

RISK: none

ID: FR24

Title: Email Notification

DESC: Faculty receives an email once the application has been submitted by the student.

RAT: Faculty must know the application was submitted from the student.

DEP: FR12

Risk: none

ID: FR25

Title: Email Notification

DESC: Student to receives an email once the application has been updated by the faculty.

RAT: Student must know the application was updated by the faculty and must change the status of the application.

DEP: FR21

Risk: none

## Admin Functional Requirements (Low Priority)

ID: FR26

TITLE: Review Application

DESC: The admin reviews the application from the student. RAT: For students applications to get approved or denied. DEP: FR18

RISK: none

ID: FR27

TITLE: Manage the Admin Account

DESC: Admins to update or change information for faculty and students. RAT: So the information is accurate for students and faculty.

DEP: FR18

RISK: none

ID: FR28

TITLE: Admin Search and Filter

DESC: Admin should be able to view any faculty or student and filter searches based on locations, majors, grad/undergrad. The admin would also have the ability to view internships that students have

RAT: This is helpful for locating and viewing anyone within the system DEP: FR18

RISK: none

ID: FR29

TITLE: View Change

DESC: Admin should be able to view the dashboard in whatever view they choose whether that be faculty or student

RAT: Allows them to see what the users see and possible help with any issues. DEP: none

RISK: none

## Report and Analysis Functional Requirements (Lowest Priority)

ID: FR31

TITLE: Start/End Count

DESC: Internship Summary report may count the interns according to the start and end dates.

RAT: A report needs to be able to count interns in order from their start and end dates. This

could allow for comparisons of current and total interns.

DEP: FR30

RISK: (low) stakeholders left this one worded strangely and there are tons of different ways to

count interns

ID: FR32

TITLE: Location Summary

DESC: location summary report may count the interns for a specific location

RAT: This will allow for comparison of where the interns are working

DEP: FR30

RISK: none

ID: FR33

TITLE: Space Usage

DESC: a space usage report should show the overall count of internships of the specific

locations per month

RAT: This would allow for a visual representation of where most interns are per month

DEP: FR30

RISK: none

ID: FR34

TITLE: Economic Impact

DESC: an economic impact report should show the pay generated for the interns according to a

range of dates.

RAT: This will be helpful to see months in which students work a lot.

DEP: FR30

RISK: none

ID: FR35

TITLE: Lost Reports

DESC: Reports made that show interns that were approved and then disapproved later.

RAT: report could display reasons for sudden disapproval

DEP: FR30

RISK: none

ID: FR36

TITLE: Location Summary

DESC: location summary report may count the interns for a specific location RAT: This will allow for comparison of where the interns are working

DEP: FR30

RISK: none