Florida International University
School of Computing and Information Sciences

VIP Program - G

Final Deliverable

Vertically Integrated Projects 5.0:

Team Members: Ravi Kiran Agarthi, Shefali Nakum
Product Owner(s): Mohsen Taheri

Mentor(s): Mohsen Taheri
Instructor: S. Masoud Sadjadi
Dr. Francisco R. Ortega

The MIT License (MIT)
Copyright (c) *2016 Florida International University*

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Abstract

This report shows the data important to pick up a decent comprehension of the VIP 5.0 web application. This report will cover every one of the features and updates made to the VIP web application in the most recent last form. Demonstrating diagrams with how these new features influence the framework, how they address a few issues that existed on the site and additionally exhibit a list of things to get an overview for future cycles of the site.

VIP 5.0 serves the expansion on the triumphs of its predecessors by growing the current features of the site, and additionally making brand new elements by and large for the sake of improving a domain in which both faculty and students can meet up to work on innovative projects.

Among the updates, the site includes, a new design to admin panel with an efficient way to search for users, a new drop box to make use of more filters in order to search for users, download an excel file with the resulted users after search is done. With the new version of the website users can now open the project's description in a new tab in the browser. The new version of the site also captures the date when a Student applies for a project, when a faculty proposes a project and when a new user registers to the website. Additionally the site also captures the date when a Student first logs in using the gmail icon for Admin purposes. The new version started the carousel idea in order to give the Admin a platform to upload pictures with latest information that would reflect in the home page of the web site.

Table of Contents

INTRODUCTION 5
CURRENT SYSTEM 5
PURPOSE OF NEW SYSTEM 5
USER STORIES
IMPLEMENTED USER STORIES 6
PENDING USER STORIES 6
PROJECT PLAN
HARDWARE AND SOFTWARE RESOURCES 7
SPRINTS PLAN 8
Sprint 1 8
Sprint 2 10
Sprint 3 11
Sprint 4 14
Sprint 5 15
Sprint 6 17
SYSTEM DESIGN 18
ARCHITECTURAL PATTERNS 19
SYSTEM AND SUBSYSTEM DECOMPOSITION 20
DEPLOYMENT DIAGRAM 20
SYSTEM VALIDATION 21
GLOSSARY 27
APPENDIX 28
APPENDIX A - UML DIAGRAMS 28
APPENDIX B - USER INTERFACE DESIGN 33
APPENDIX C - USER MANUALS, INSTALLATION/MAINTENANCE DOCUMENT 33
APPENDIX D - SPRINT REVIEW REPORTS 34
REFERENCES 45

INTRODUCTION

VIP 4.0 got different real enhancements to the site, however with all things, there is opportunity to get better. In VIP 5.0, a few updates and upgrades were added to the site to extend the general convenience of the site. This incorporates updating and fixing existing elements, and in addition the production of brand new features to the site.This brings the site a new design to Admin panel giving the Admin a platform to make use of the design efficiently and perform search. With resolving the download excel problem that earlier version of the site has, Admin can now easily download the data in excel format which won't create a popup after downloading. Admin also can review the dates in all the three review pages of the website and can get more information of the user's task.

CURRENT SYSTEM

Before we got started, we have VIP 4.0 with good features and efficient design. But it still lacked several features required by the product owner. There was no means to search for a specific user if we know only his/her email Id or Semester or with his/her department name in Admin Panel.
In the Current System users were not able to open the project's description in a new Tab in the browser. There is no information about the date when a Student applied for a project or when a Faculty proposed a project in Review Student Application Page and in Review Project Proposal Page respectively. There is no information about the date when a user register to the vip website with a newly created account. Admin also requested to capture the date when a Student first logs in to the vip website. There was no means for admin to upload the pictures in to the website which can be reflected on the home page. These requests were not handled and were not there in the current system.

Purpose of New System

The new system sought to update and refine many of the existing features, such as handling the excel download problem in the Admin Panel, redesigning the Admin Panel with which Admin can easily search with a combination of User properties like emailID, panther ID, Department Name etc., The new version of the website also now captures the dates like when a Student applies for a project, when a faculty proposes a project and when a user creates an account. The site also captures the date when a Student logs into the website for the very first time. We have started creating a platform for the Admin so that he can upload pictures and their respective links

in the Admin Panel which will be reflected on the home page. In the new version of the website the footer of the website is redesigned with facebook and youtube senior projects channel links. In VIP 5.0 user can now open the project's description in a new tab.

USER STORIES

Implemented User Stories

- Adding dates in Review Student application form when student apply for a project/ Review Registration form when user create a new account/ Review Project proposal form when professor propose a project.
- Capturing the date when user login for the first time in vip website.
- Displaying the dates in admin panel and in the excel sheet.
- Open projects in new tab.
- Formatting the footer design of the vip website.
- Adding Image and Review Images section in the admin panel.
- Project's Description in new tab
- Separate search boxes for user properties so that combination of search criteria can be done.
- Excel download pop up issue
- Redesign of Admin panel
- Dropdown of more filter and refresh filter option

Pending User Stories

- Creating a platform for admin to Add, Delete, Update new reports in the admin panel so that admin can himself create the reports which can be reflected in the menu bar under "Reports".
- Creating a Review update user type request page for admin so that he can view the list of all the request and can make decision efficiently.
- Save the images in the database so that the carousel effect on the home page would load pictures more quickly

PROJECT PLAN

This section describes the planning that went into the realization of this project. This project incorporated the agile development techniques and as such required the sprints to be planned. These sprint plannings are detailed in the section. This section also describes the components, both software and hardware, chosen for this project.

Hardware and Software Resources

The following is a list of all hardware and software resources that were used in this project:

- HTML5 and CSS3 for web design
- AngularJS for server and directives
- MongoDB for the database
- NodeJS for collections and models
- Github for Version Control
- An Ubuntu-based Linux server run by FIU
- Putty and WinSCP for file sharing and SSH client

Sprints Plan

Sprint 1

User Story - Display Dates based on the activities performed by the of the user on various form

- As a admin, I would like to view dates of various activities (apply for project/ propose a project/ registration/ login) related to users so that it would be very easy to filter their information.

Use Case

Use Case ID: (VIP - 1207)

Details: Display Dates based on the activities performed by the of the user on various form.

Actor: Admin

Pre-conditions:

1. Admin is on the VIP website.

2. Admin has login and clicks on Review page (Student Application/Registration/Project Proposal) and should be able view the list of user's information along with the dates.

Description:

1. Admin finds the new label "Date" in the review forms of the user.

2. Admin makes decisions based on the user dates of the activities.

Post-conditions:

1. Admin makes decision on the users.

Alternative Courses of Action: N/A

Exceptions: N/A

Use Case

Use Case ID: (VIP - 1210)

Details: Fixing the popup issue when Excel is downloaded.

Actor: Admin

Pre-conditions:

1. Admin must be able to login without any errors.
2. Admin must be able to navigate to Admin Panel without any errors.
3. Admin must be able to download the excel without any errors.

Description:

1. Admin should find the report downloaded with current date as the file name
2. Admin should be able to open the downloaded excel and no popup should open.

Post-conditions:

1. Admin should be able to search for users and also can download the excel and the downloaded excel will result only the searched users.

Alternative Courses of Action: N/A

Exceptions: N/A

Sprint 2

User Story - search for user based on multiple properties in Admin Panel

- As a admin, I would like to filter the users in Admin Panel with more than one user property so that it would be feasible and more efficient to search for specific users.

Use Case

Use Case ID: (VIP - 1212)

Details: Perform Search with multiple user properties at once in Admin Panel

Actor: Admin

Pre-conditions:

1. Admin must be able to login without any errors.
2. Admin must be able to navigate to Admin Panel without any errors.

Description:

Admin must be able to find the users by searching with multiple properties together using separate search boxes for each

Post-conditions:

Admin can make use of more filters option and perform search and the system would result the output based on the search criteria given.

Alternative Courses of Action: N/A

Exceptions: N/A

User Story - Changing the design for admin panel

- As a Admin, I would like to optimize the design for admin panel to make use of multiple filters so that the design would be efficient and easy to understand.

Sprint 3

User Story - Displaying the dates in admin panel and in the excel sheet

- As an admin, I would like to view various dates of the users in the admin panel and in the related excel sheet

Use Case

Use Case ID: (VIP - 1206)

Details: Displaying the dates

Actor: Admin

Pre-conditions:

1. Admin is on the VIP website.
2. Admin has login and clicks on Admin Panel logo and is directed to Admin Panel page.

Description:

1. Admin views various dates. For instance, Project Application Date, User Registration date and First Login Date.
2. Admin gets the Dates in the downloaded excel sheet.

Post-conditions:

1. Admin could view all the dates and could filter information of the user based on dates.
2. Admin should able to open the downloaded excel sheet and review it.

Alternative Courses of Action: N/A

Exceptions: N/A

User Story - Fixing Excel issue for the users in Admin Panel

- As a Admin, I would like to download the list of filtered users in Admin panel in excel format.

Use Case

Use Case ID: (VIP - 1211)

Details: Redesigning Admin Panel

Actor: Admin

Pre-conditions:

1. Admin must be able to login without any errors.
2. Admin must be able to navigate to Admin Panel without any errors.

Description:

Admin must be able to see the new design which has separate search boxes for each user property , filters button for drop down to view more filter option, refresh button to refresh the search criteria at once and excel button to download the data into excel.

Post-conditions:

Admin must be able to use the search boxes effectively in order to search with multiple properties at once

Alternative Courses of Action: N/A

Exceptions: N/A

User Story - Merging the lookup filter for the new design

- As a admin, I would like to use the lookup filters designed earlier to the new design so that search could be done more efficiently.

Use Case

Use Case ID: (VIP - 1213)

Details: Adding more filters from previous design of Admin Panel to the new Design

Actor: Admin

Pre-conditions:

Admin must be able to login without any errors.

Admin must be able to navigate to Admin Panel without any errors.

Description: Admin can make use of filter options from previous design in the new design when he/she clicks on Filters button.

Post-conditions:

The search will reflect only when the checkbox is clicked in the filters drop down menu after selecting the options.

Alternative Courses of Action: N/A

Exceptions: N/A

Sprint 4

User Story - More Data for Lock and Unlock Semesters

- As a Admin, I would like to see more semester data in Lock and Unlock semester drop down so that I could lock the projects based on different semesters.

Use Case

Use Case ID: (VIP - 1216)

Details: More Data for Lock and Unlock Semesters

Actor: Admin

Pre-conditions:

Admin must be able to login without any errors.

Admin must be able to navigate to Admin Panel without any errors.

Description: Admin can find more data to choose for lock and unlock semesters.

Post-conditions:

Admin can select the option and perform lock or unlock action for the semester.

Alternative Courses of Action: N/A

Exceptions: N/A

Sprint 5

User Story – Capturing and Displaying the Date when student logins for the first time with Gmail icon

- As an admin, I would like to view the Student's first Login date in the admin panel.

Use Case

Use Case ID: (VIP - 1217)

Details: Capturing and Displaying the Date.

Actor: Admin and Student

Pre-conditions:

1. Student has directed to the VIP website.

2. Student has login using FIU credentials by clicking on the Gmail logo.

3. Admin has login and clicks on Admin Panel logo and is directed to Admin Panel page.

Description:

1. When a Student is using the vip website and logins for the first time. Then the first-time login date is saved in the database and visible in the admin panel

Post-conditions:

1. Admin could filter information based on student's first login date

Alternative Courses of Action:N/A

Exceptions: N/A

User Story - Delay in Project Proposal popup after successful submit

- As a Faculty/Staff, I would like to get faster response afters successfully submitting the Project proposal form so that It would not seem to have a delay problem

Use Case

Use Case ID: (VIP - 1218)

Details: Delay in Project Proposal page to show popup after successful submit

Actor: Faculty/Staff

Pre-conditions:

Faculty/Staff must be able to login without any errors.

Faculty/Staff must be able to navigate to Project Proposal page without any errors.

Description:

After Proposing the project using Project Proposal form and successfully filling the required information the page should load very quickly and give popup with success message

Post-conditions:

The proposed project will be reviewed by Admin and will accept/reject. Once Admin accepts/rejects the proposed project, respective faculty/staff will be notified via email and also will get a notification in vip website.

Alternative Courses of Action: N/A

Exceptions: N/A

Sprint 6

User Story - Image Panel Design

- As a admin, I would like to add Images and Links of the various events which will get reflects on the home page.

Use Case

Use Case ID: (VIP - 1219)

Details: Designing panel for Images.

Actor: Admin

Pre-conditions:

1. Admin has directed to the VIP website.

2. Admin can login and click on Admin Panel logo and should be directed to Admin Panel page

Description:

1. Admin should find the new section with a label “Images”

2. Admin should be able to give Images and Link on the fields.

Post-conditions:

1. Users should be able to view all the Images in the carousel of the home page and able to navigate to the related events.

Alternative Courses of Action:N/A

Exceptions:N/A

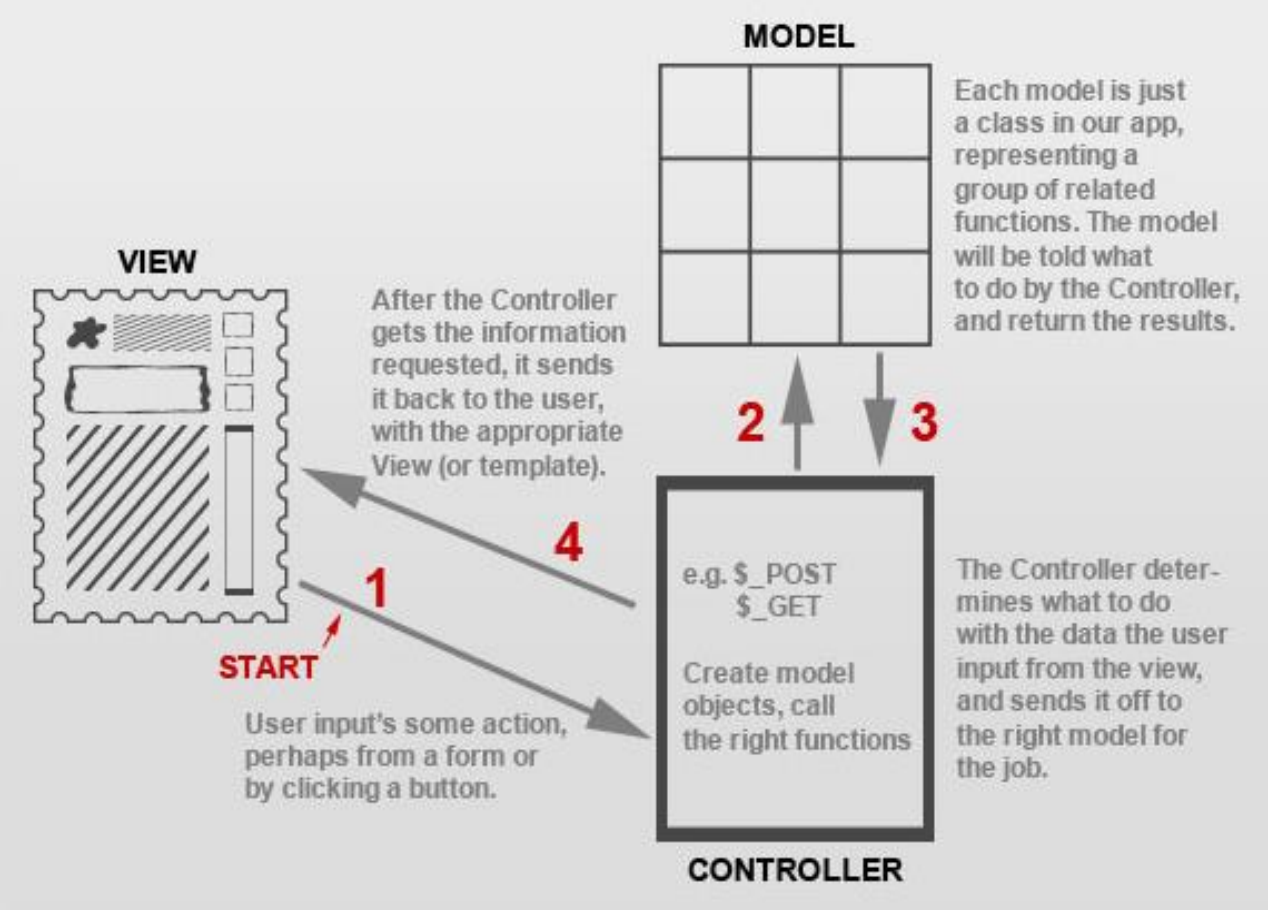
SYSTEM DESIGN

One of the most interesting, and most difficult, of the tasks that we may undertake in our careers as engineers or computer scientists is the design of an entire system. A system is a set of interacting parts, generally too large to be built by a single person, created for some particular purpose. We work with systems all the time. The operating systems that control our machines are

systems. The layers of hardware and software that allow the programs on these machines to interact with each other over a network are systems. Even most applications that we use are systems, whether we know it or not. As engineers, we know that the way to solve a large problem is to break it into a set of interacting smaller problems. Each of these smaller problems can then be decomposed into even smaller problems, until after enough iterations we have a problem that can be solved on its own. Each decomposition gives us a set of components, and deciding what those components are and how they fit together is the activity of system design.
Designing high-Level architecture of a system using a systematic and rigorous approach — an approach to design is entirely compatible with a user-centered approach. System design further includes defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements.
Today, designers from all over the world adopts the ideas from design methods and system design that collaborate on designing software and complex information spaces. System design are important for modelling interaction and conversation that comes out from frameworks results by the system design**.**
Information regarding the system design that went into this project is been explained in this section along with the architecture patterns. The entire system is depicted and explained using package diagram and the subsystems diagram.

Architectural Patterns

In this project, the architectural pattern is for implementing user interfaces on computers, emphasizing the design of the system architecture that describes the structure, behavior and more views of that system and analysis.
The site runs on a Model-Control-View or MVC Architecture. As shown in the picture below

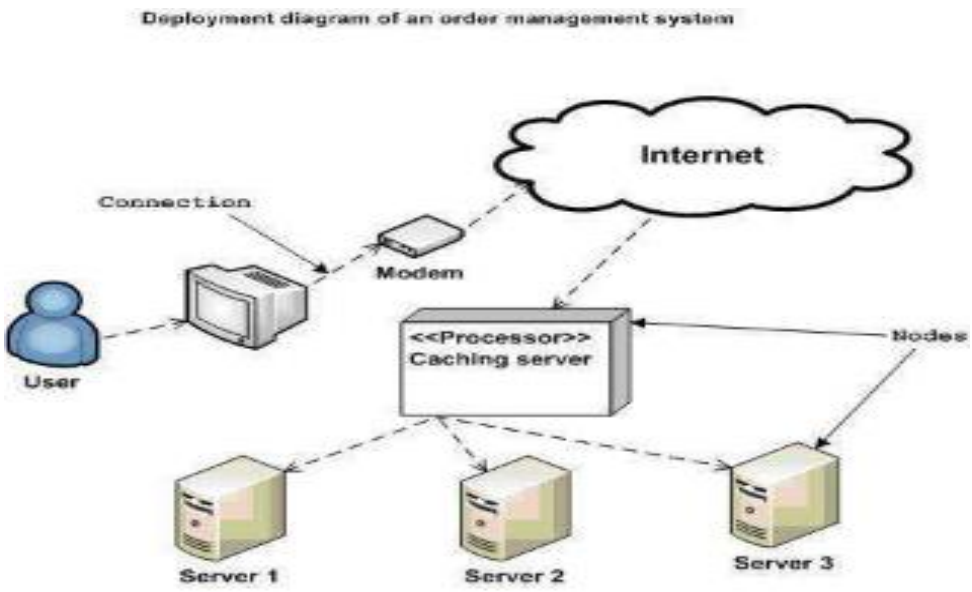

MODEL
Each model is just a class in our app, representing a group of related functions. The model will be told what to do by the Controller, and return the results.
VIEW
After the Controller gets the information requested, it sends it back to the user, with the appropriate View (or template).
2
3
4
1
START
User input's some action, perhaps from a form or by clicking a button.
e.g. $_POST $_GET
Create model objects, call the right functions
The Controller determines what to do with the data the user input from the view, and sends it off to the right model for the job.
CONTROLLER

System and Subsystem Decomposition

Deployment Diagram

Deployment Diagram describes the runtime configuration of processing nodes and various components that run on those nodes. In other words, it depicts a static view of hardware for your System along with software installed and the middleware used to connect the to another system.

Additionally, it helps to get the physical deployment information produced by the software on the components of hardware.This information is further called an artifact.These diagram are buildup using several UML shapes, further consists of three-dimensional boxes, known as nodes(software/hardware elements).Relationships are lines connected between two nodes and the smaller shapes contained within the boxes represent the software artifacts that are deployed.



SYSTEM VALIDATION

Unit & Integration Tests:

Unit & Integration Tests:

- Test Case 1(Sunny Day)
  - Purpose: Test that when Admin directed to review pages, he should be able to view dates along with other information of the user.
  - Precondition: Admin logs in to the VIP site and clicks on "Review Page" title and navigates to review page
  - Input: N/A
  - Expected Result: Admin should able to view the dates of all the users.
  - Actual Result: Admin can view the dates of all the users.
  - Status: SUCCESS

- Test Case 2(Sunny Day)

- Purpose: Test whether the date field is in the standard format i.e. mm/dd/yy.
- Precondition: Admin logs in to the VIP site and clicks on “Review Page” title and navigates to review page
- Input: N/A
- Expected Result: Dates field should display in the specified format.
- Actual Result: Dates are displayed in the correct format.
- Status: SUCCESS

- Test Case 3(Sunny Day)
- Purpose: Test whether the admin cannot edit the date field
- Precondition: Admin logs in to the VIP site and clicks on “Review Page” title and navigates to review page
- Input: N/A
- Expected Result: Date field is read only for the admin.
- Actual Result: Admin has only read access to the date field
- Status: SUCCESS

- Test Case 1(Sunny Day)
- Purpose: Test whether all the date fields are visible in the admin panel.
- Precondition: Admin must open the VIP site and click on Admin panel logo and navigate to Admin Panel page
- Input: N/A
- Expected Result: All the date fields should be visible with appropriate data.
- Actual Result: All the date fields are visible with appropriate data.
- Status: SUCCESS

- Test Case 2(Sunny Day)

- Purpose: Test whether all fields in excel sheet matches the data displayed in the admin panel.
- Precondition:

· Admin must open the VIP site and click on Admin panel logo and navigate to Admin Panel page

· Admin has clicked on the excel icon and downloaded the excel sheet.

- Input: N/A
- Expected Result: All the data in the excel sheet should match with data displayed in the admin panel.
- Actual Result: All the data in the excel sheet matches with data displayed in the admin panel.
- Status: SUCCESS

- Test Case 1(Sunny Day)
  - Purpose: Test whether first login date of the student is not being updated with next sequence of successful logins.
  - Precondition: Student has logged in before and details of first login date is stored in the database.
  - Input: Username and Password for login
  - Expected Result: First login date of the student should not get alter.
  - Actual Result: First login date of the student is not altered.
  - Status: SUCCESS

- Test Case 1(Sunny Day)
  - Purpose: Test the image uploaded by the admin is having a valid path.
  - Precondition: Admin should open the VIP site and click on Admin panel logo and navigate to Admin Panel page

- Input: Uploading image with a valid path in the image field.
- Expected Result: Admin should able to submit the image without any error. And if there is any invalid path, a message should be popped saying “Incorrect Path”.
- Actual Result: Admin can submit the image without any error.
- Status: SUCCESS

- Test Case 2(Sunny Day)
- Purpose: Test the image uploaded is within the range of maximum size allowed.
- Precondition: Admin should open the VIP site and click on Admin panel logo and navigate to Admin Panel page.
- Input: Uploading image in the image field.
- Expected Result: Admin should able to submit the image with a valid. And if there is any invalid size, a message should be popped saying “Error in the size of the image”.
- Actual Result: Admin can submit the image without any error.
- Status: SUCCESS

- Test Case 3(Sunny Day)
- Purpose: Test that there is no duplicate image has been uploaded in the home page.
- Precondition: Admin should open the VIP site and click on Admin panel logo and navigate to Admin Panel page
- Input: Uploading image in the image field.
- Expected Result: Admin should able to submit the image without any error. And if there is any duplicate image already existing than a dialogue should be pop up with an error message.
- Actual Result: Admin can submit the image without any error.
- Status: SUCCESS

- Test Case 4(Sunny Day)

- Purpose: Test the image file uploaded is having a valid extension like PNG JPEG etc..
- Precondition: Admin should open the VIP site and click on Admin panel logo and navigate to Admin Panel page
- Input: Uploading image in the image field.
- Expected Result: Admin should able to submit the image without any error. And if there is filed with incorrect extension then a dialogue should be pop up with an error message.
- Actual Result: Admin can submit the image without any error.
- Status: SUCCESS

Unit & Integration Tests:

Unit & Integration Tests:

● Test Case 1(Sunny Day)

○ Purpose: Test that when Admin navigate to Admin page, he should be able to view all users in a table structured format.

○ Precondition: Admin has to open the VIP site and click on Admin panel logo and navigate to Admin Panel page

○ Input: Without any input, Admin should be able to view the table structured data with all the users.

○ Expected Result:Admin should able to view the table structured data with all the users.

○ Actual Result:Admin is able to view the table structured data with all the users.

○ Status: SUCCESS

● Test Case 2(Sunny Day)

○ Purpose: Test that Admin was able to search users with search options on every user property.

○ Precondition: Admin has to open the VIP site and click on Admin panel logo and

navigate to Admin Panel page

○ Input: Admin has to enter the particular property of user in its respective particular column search box.

○ Expected Result: The search should result out to the list of users with matching search query.

○ Actual Result: While entering the search query itself, the search results the list of respective users based on the property.

○ Status: SUCCESS

● Test Case 3(Sunny Day)

○ Purpose: Test that Admin was able to download the list of users by clicking on Excel button.

○ Precondition: Admin has to open the VIP site and click on Admin panel logo and navigate to Admin Panel page

○ Input: Admin has to click on Excel button before or after performing search.

○ Expected Result: The Excel file should be downloaded based on the list of users visible in the table.

○ Actual Result:The Excel file is downloaded based on the current list of users in the table.

○ Status: SUCCESS

● Test Case 4(Sunny Day)

○ Purpose: Test that Admin was able to search users with filters drop down menu.

○ Precondition: Admin has to open the VIP site and click on Admin panel logo and navigate to Admin Panel page

○ Input: Admin has to click on Filters button and when a drop down menu appears, Admin has to select the filter he wants to apply.

○ Expected Result: The search should result out to the list of users with matching selection of filter after clicking on the checkbox.

○ Actual Result:The search shows the list of users based on the selection of filter after clicking on checkbox.

○ Status: SUCCESS

● Test Case 5(Rainy Day)

○ Purpose: Test that Admin was able to search users with filters drop down menu.

○ Precondition: Admin has to open the VIP site and click on Admin panel logo and navigate to Admin Panel page

○ Input: Admin has to click on Filters button and when a drop down menu appears, Admin has to select the filter he wants to apply.

○ Expected Result: The search should not be affected before clicking on checkbox.

○ Actual Result:The search doesn't effect the current list if checkbox is not checked

○ Status: SUCCESS

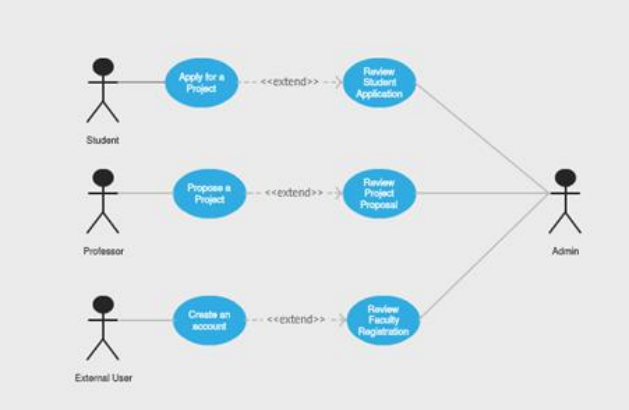
GLOSSARY

Guest - Lowest level user on the site can only view the homepage, and projects
Student - Entry level user, can join projects
Faculty/Staff - Mid Level user, can create projects, and accept students into projects
Pi/CoPi - Top level user, full access to all of sites features, serves as administrator to the site.
Projects - Created by Faculty/Staff and Pi/CoPi team undertakings that are proposed on the site
Terms - Semesters that are accessible on the site, used to archive projects
Skill item - necessary knowledge set on the system that can be stated in a project details to match students knowledge base

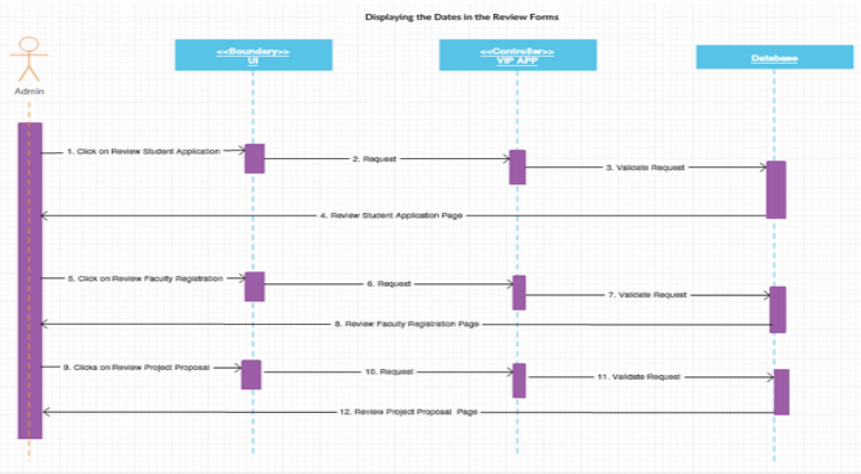
APPENDIX

Appendix A - UML Diagrams

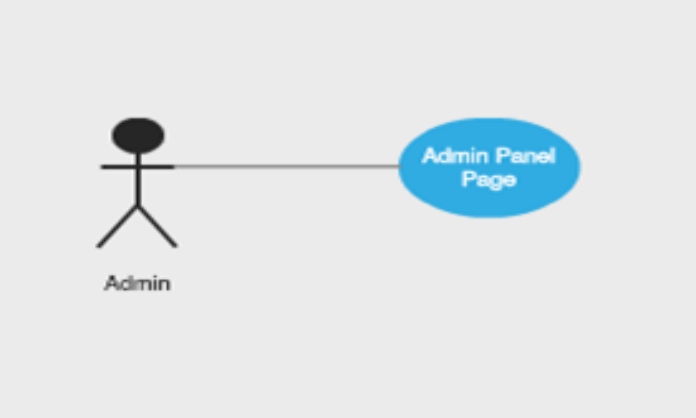
Use Case Diagram A.



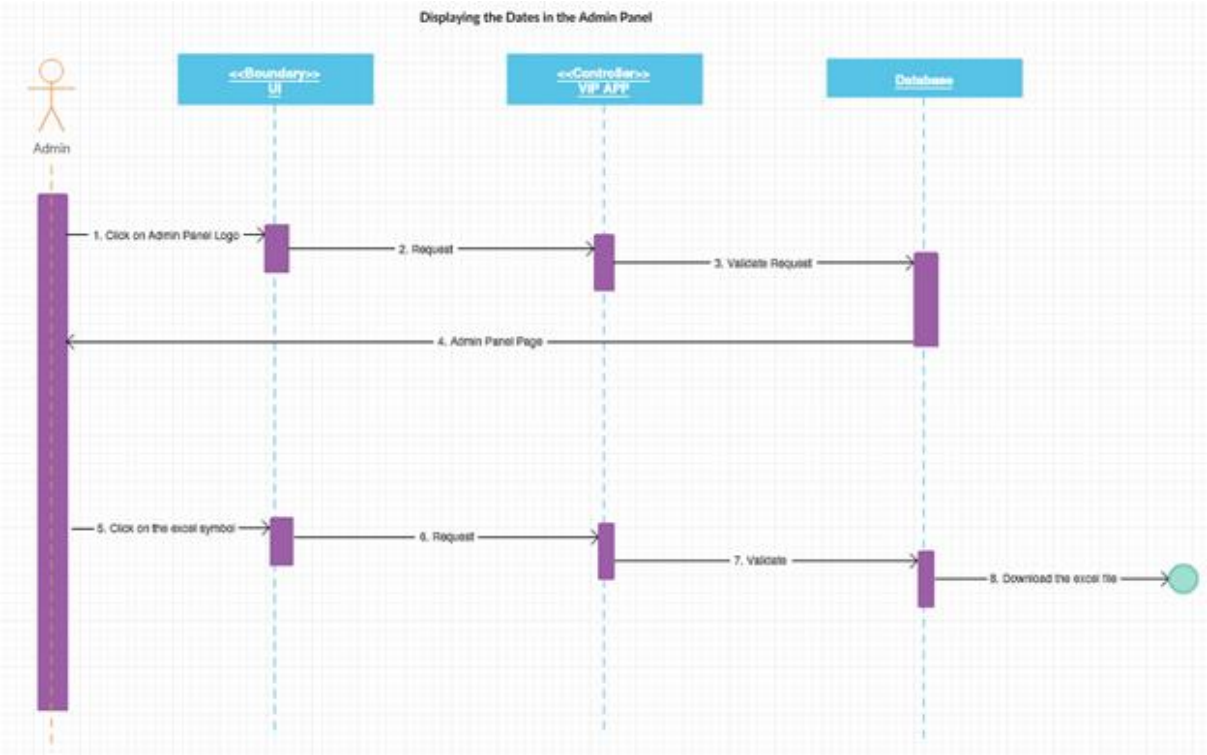
Sequence Diagram A.



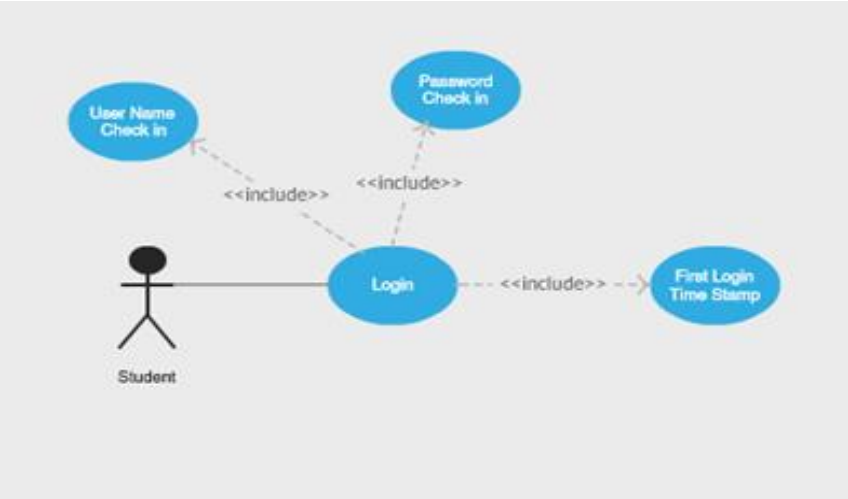
Use Case Diagram B.



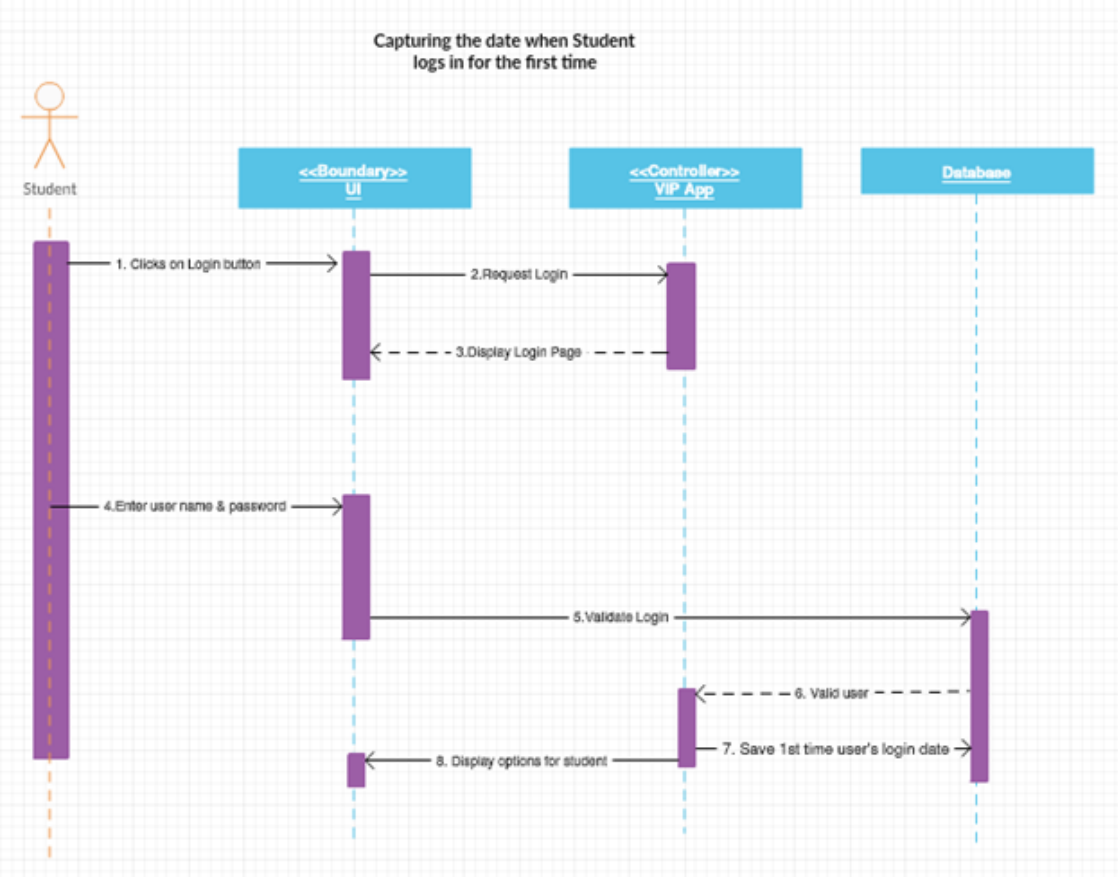
Sequence Diagram B.



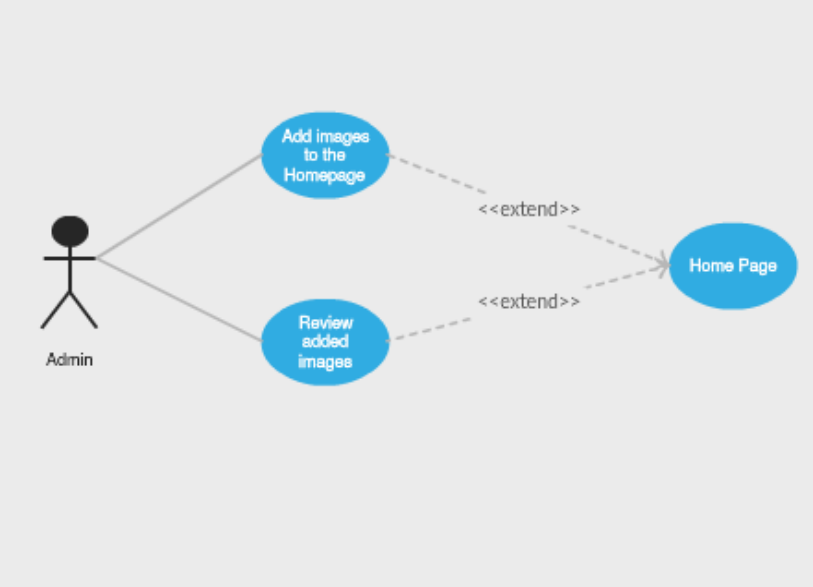
Use Case Diagram C.



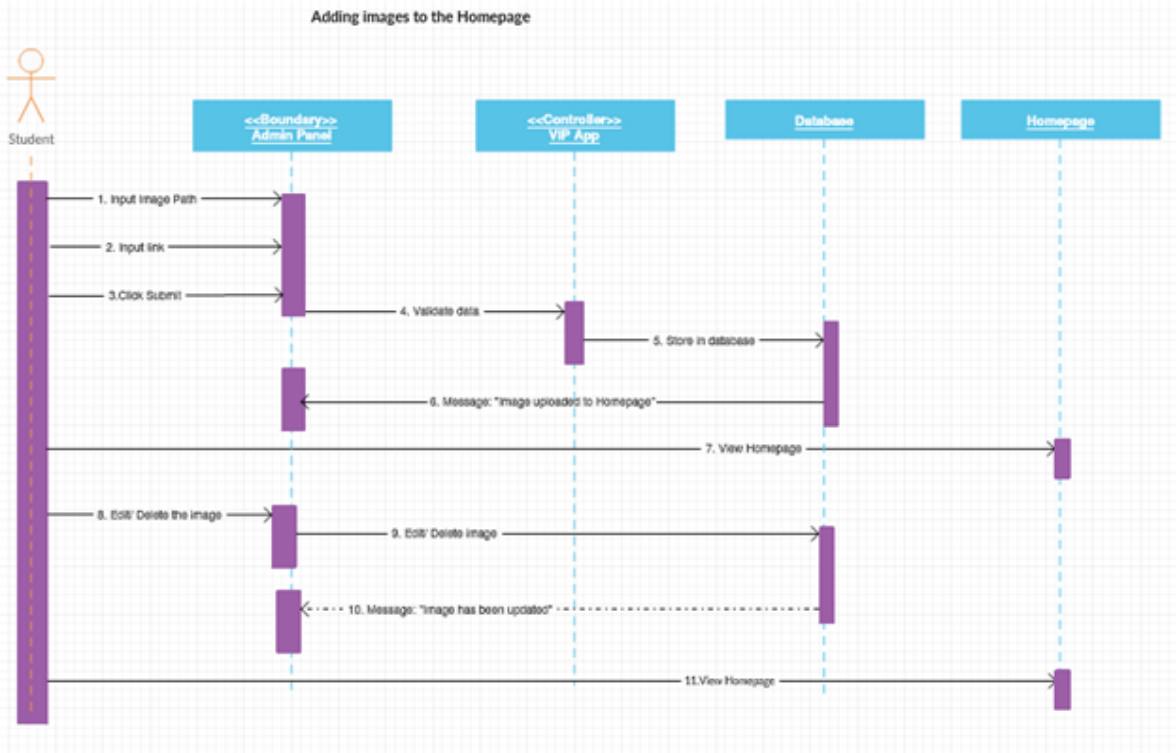
Sequence Diagram C.



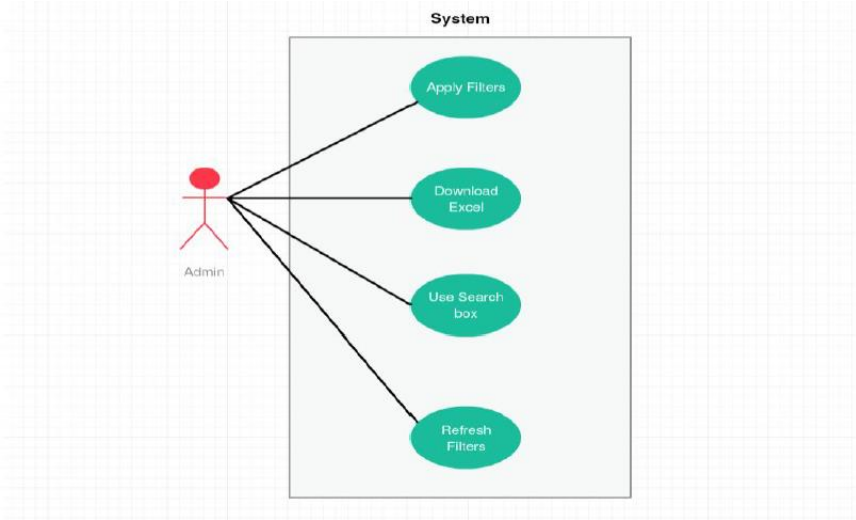
Use Case Diagram D



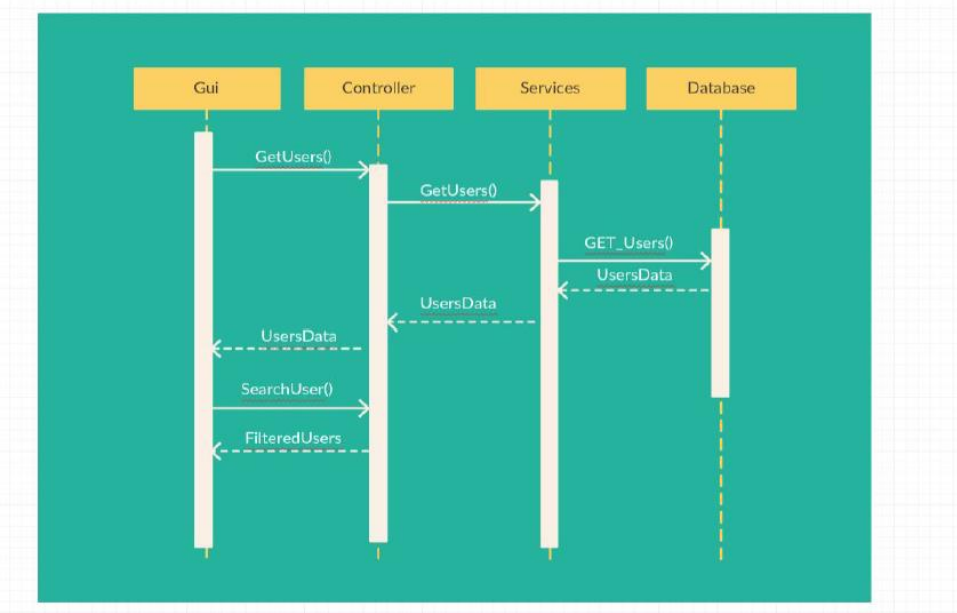
Sequence Diagram D



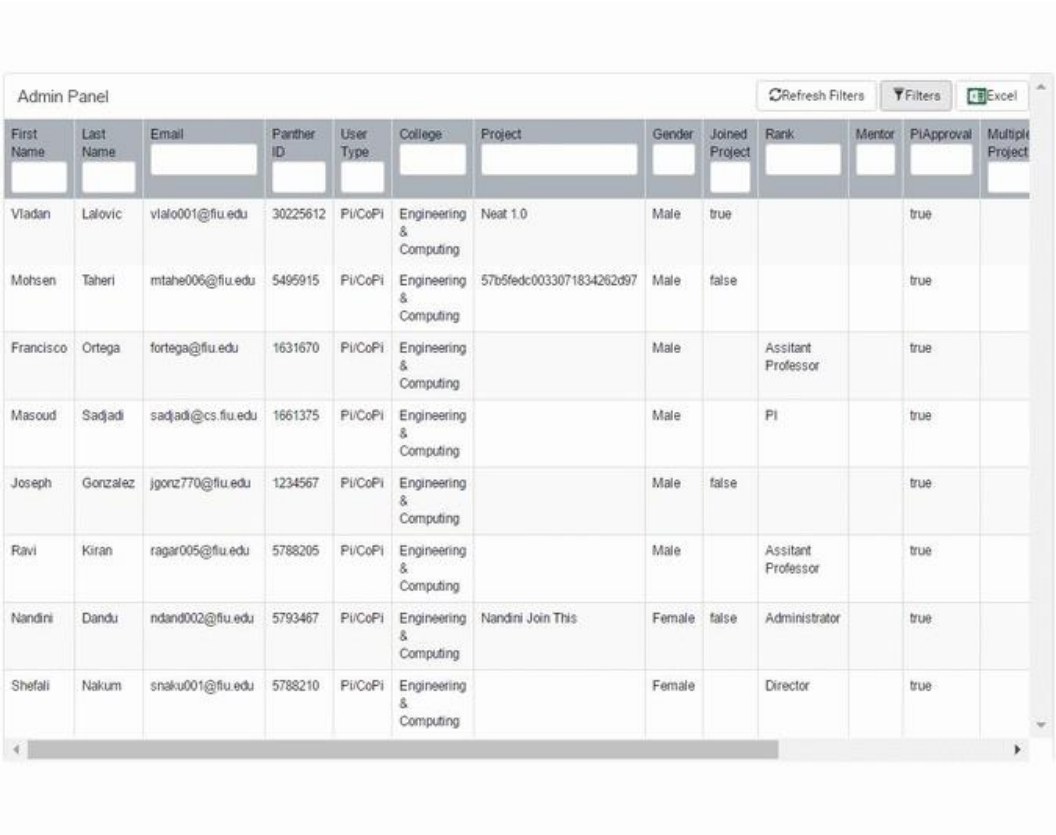
Use Case Diagram E



Sequence Diagram E



Appendix B - User Interface Design



First Name	Last Name	Email	Panther ID	User Type	College	Project	Gender	Joined Project	Rank	Mentor	PIApproval	Multiple Project
Vladan	Lalovic	vlalo001@fiu.edu	30225612	PI/CoPI	Engineering & Computing	Neat 1.0	Male	true			true	
Mohsen	Taheri	mtahe006@fiu.edu	5495915	PI/CoPI	Engineering & Computing	57b5fedc0033071834262d97	Male	false			true	
Francisco	Ortega	fortega@fiu.edu	1631670	PI/CoPI	Engineering & Computing		Male		Assitant Professor		true	
Masoud	Sadjadi	sadjadi@cs.fiu.edu	1661375	PI/CoPI	Engineering & Computing		Male		PI		true	
Joseph	Gonzalez	jgonz770@fiu.edu	1234567	PI/CoPI	Engineering & Computing		Male	false			true	
Ravi	Kiran	ragar005@fiu.edu	5788205	PI/CoPI	Engineering & Computing		Male		Assitant Professor		true	
Nandini	Dandu	ndand002@fiu.edu	5793467	PI/CoPI	Engineering & Computing	Nandini Join This	Female	false	Administrator		true	
Shefali	Nakum	snaku001@fiu.edu	5788210	PI/CoPI	Engineering & Computing		Female		Director		true	

Appendix C - User Manuals, Installation/Maintenance Document

Integration in Dev Server and Live Server would require two softwares. One is WinSCP and second is Putty. With WinSCP the graphical user interface enables user to check the server files and folders in server. Once code is complete and is ready to integrate into server, we need to login into Putty and give the hostname vip.fiu.edu for live server or vip-dev.cis.fiu.edu for dev server. password is fiu email id without @fiu.edu part. once login, user needs to navigate to var/www/VIP5 folder and make themselves a root user and can run server.js file using forever start server.js

To maintain the backup of code one must safely rename the old version of folder and save it and run the updated version.

If developer needs to change his/her usertype to admin, they can do from backend in mongodb.

Appendix D- Sprint Review Reports

Sprint 1 Review Meeting Minutes

Attendees: Ravi Kiran, Shefali Nakum
Start Time: 6pm
End Time: 7:30pm

After a show and tell presentation, Product owner accepted all of the assigned user stories were accepted by the Product owners:

- #1207 Display the "Registration date" of the user in "Review Faculty Registration Form"
- #1208 Display the applied date of the student in "Review Student Application" form
- #1210 Fixing Excel issue for the users in Admin Panel

Sprint 2 Review Meeting Minutes

Attendees: Ravi Kiran, Shefali Nakum
Start Time: 8pm
End Time: 8:45pm

After a show and tell presentation, Product owner accepted all of the assigned user stories were accepted by the Product owners:

- #1209 Display the proposed date of the faculty in the "Review Project Proposals" form
- #1212 search for user based on multiple properties

Sprint 3 Review Meeting Minutes

Attendees: Ravi Kiran, Shefali Nakum
Start Time: 10pm
End Time: 10:57pm

After a show and tell presentation, Product owner accepted all of the assigned user stories were accepted by the Product owners:

- #1206 Display the dates in admin panel and in excel sheets
- #1214 Open projects in new tab
- #1211 Changing the design for admin panel
- #1213 Merging the lookup filter for the new design

Sprint 4 Review Meeting Minutes
Attendees: Ravi Kiran, Shefali Nakum
Start Time: 7pm
End Time: 7:30pm

After a show and tell presentation, Product owner accepted all of the assigned user stories were accepted by the Product owners:

- #1215 Change the footer design
- #1216 More Data for Lock and Unlock Semesters

Sprint 5 Review Meeting Minutes
Attendees: Ravi Kiran, Shefali Nakum
Start Time: 8pm
End Time: 8:45pm

After a show and tell presentation, Product owner accepted all of the assigned user stories were accepted by the Product owners:

- #1217 Save date when student log in for the first time with gmail icon
- #1218 Delay in Project Proposal popup after successful submit

Sprint 6 Review Meeting Minutes
Attendees: Ravi Kiran, Shefali Nakum
Start Time: 7pm
End Time: 7:30pm

After a show and tell presentation, Product owner accepted all of the assigned user stories were accepted by the Product owners:

- #1219 Designing the image panel

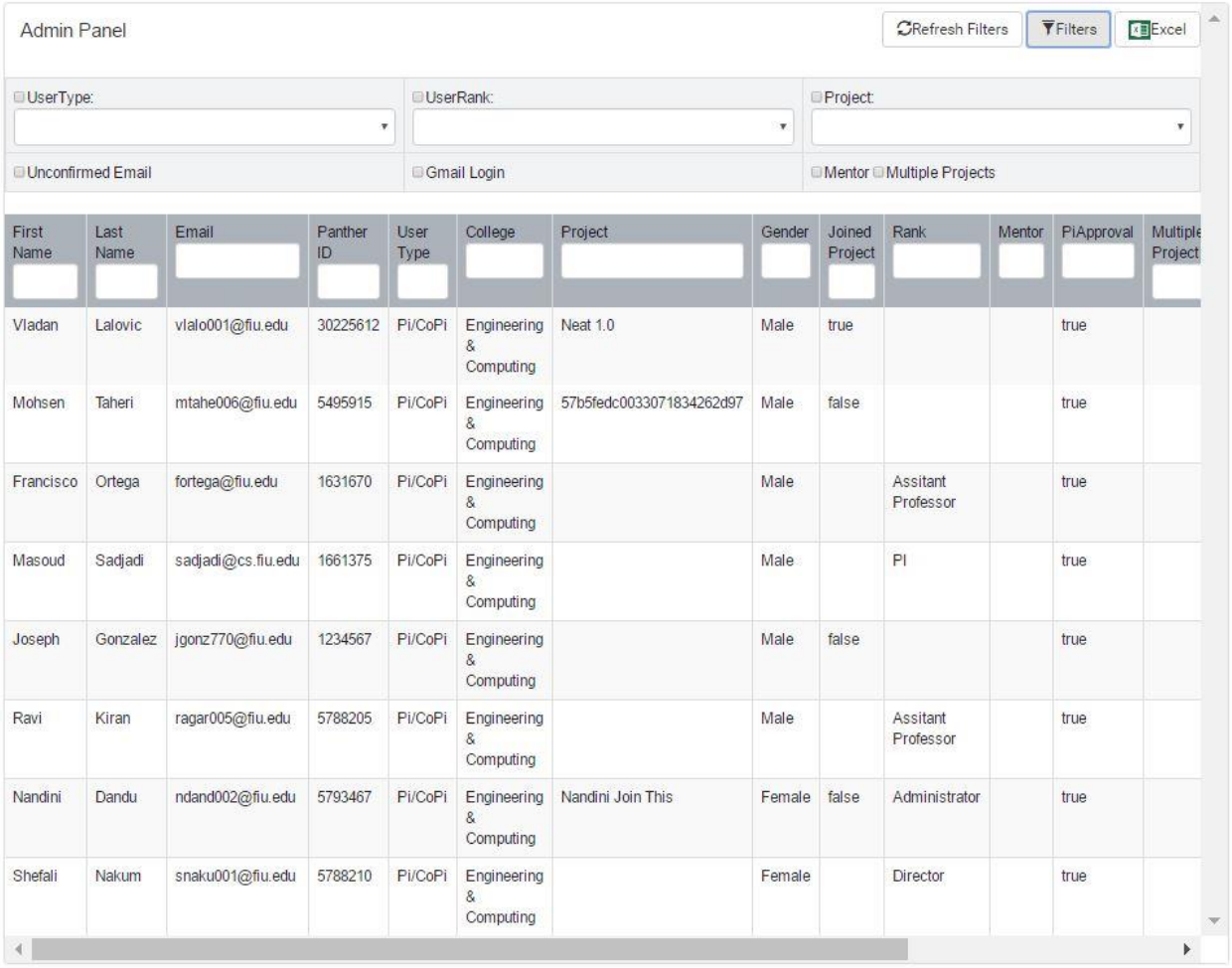
Visual User Guide

First Name	Last Name	Email	Panther ID	User Type	College	Project	Gender	Joined Project	Rank	Mentor	PiApproval	Multiple Project
Vladan	Lalovic	vlalo001@fiu.edu	30225612	Pi/CoPi	Engineering & Computing	Neat 1.0	Male	true			true	
Mohsen	Taheri	mtahe006@fiu.edu	5495915	Pi/CoPi	Engineering & Computing	57b5fedc003071834262d97	Male	false			true	
Francisco	Ortega	fortega@fiu.edu	1631670	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Masoud	Sadjadi	sadjadi@cs.fiu.edu	1661375	Pi/CoPi	Engineering & Computing		Male		PI		true	
Joseph	Gonzalez	jgonz770@fiu.edu	1234567	Pi/CoPi	Engineering & Computing		Male	false			true	
Ravi	Kiran	ragar005@fiu.edu	5788205	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Nandini	Dandu	ndand002@fiu.edu	5793467	Pi/CoPi	Engineering & Computing	Nandini Join This	Female	false	Administrator		true	
Shefali	Nakum	snaku001@fiu.edu	5788210	Pi/CoPi	Engineering & Computing		Female		Director		true	

- New Design of Admin Panel

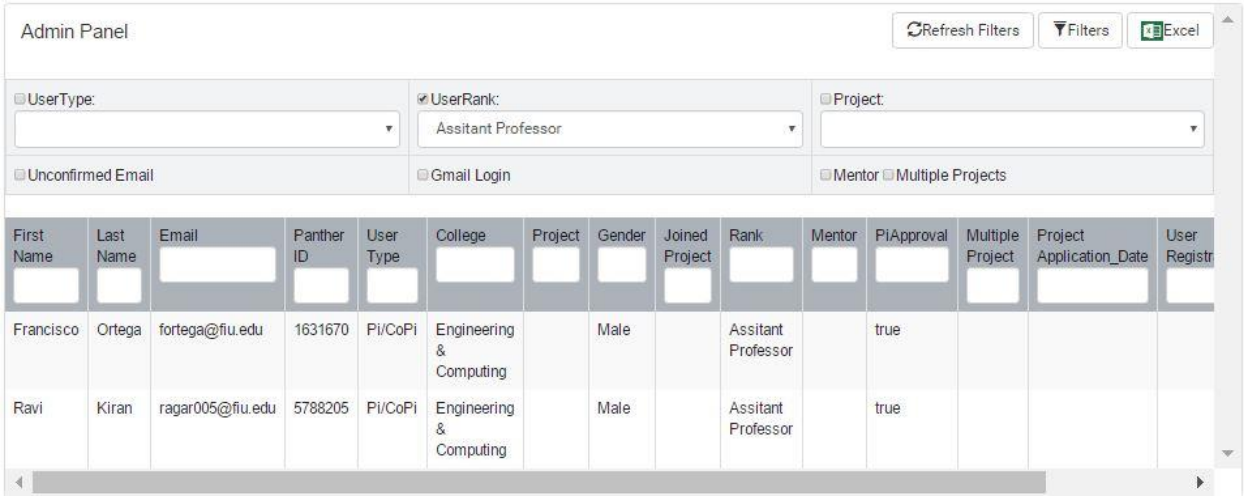
First Name	Last Name	Email	Panther ID	User Type	College	Project	Gender	Joined Project	Rank	Mentor	PiApproval	Multiple Project
Vladan	Lalovic	vlalo001@fiu.edu	30225612	Pi/CoPi	Engineering & Computing	Neat 1.0	Male	true			true	
Mohsen	Taheri	mtahe006@fiu.edu	5495915	Pi/CoPi	Engineering & Computing	57b5fedc003071834262d97	Male	false			true	
Francisco	Ortega	fortega@fiu.edu	1631670	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Masoud	Sadjadi	sadjadi@cs.fiu.edu	1661375	Pi/CoPi	Engineering & Computing		Male		PI		true	
Joseph	Gonzalez	jgonz770@fiu.edu	1234567	Pi/CoPi	Engineering & Computing		Male	false			true	
Ravi	Kiran	ragar005@fiu.edu	5788205	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Nandini	Dandu	ndand002@fiu.edu	5793467	Pi/CoPi	Engineering & Computing	Nandini Join This	Female	false	Administrator		true	
Shefali	Nakum	snaku001@fiu.edu	5788210	Pi/CoPi	Engineering & Computing		Female		Director		true	

- Filters for drop down menu to view more filter options

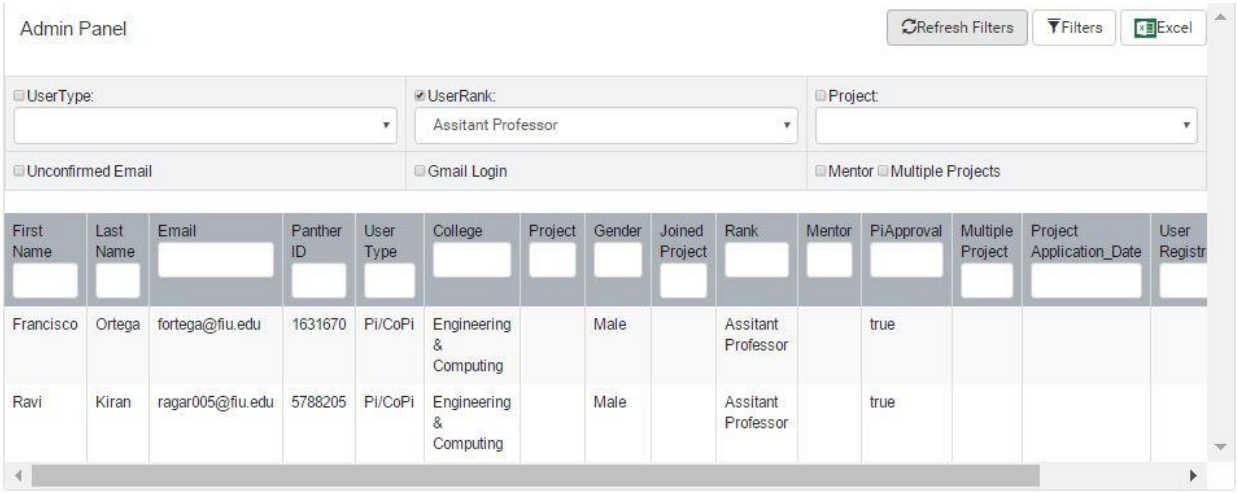


First Name	Last Name	Email	Panther ID	User Type	College	Project	Gender	Joined Project	Rank	Mentor	PiApproval	Multiple Project
Vladan	Lalovic	vlalo001@fiu.edu	30225612	Pi/CoPi	Engineering & Computing	Neat 1.0	Male	true			true	
Mohsen	Taheri	mtahe006@fiu.edu	5495915	Pi/CoPi	Engineering & Computing	57b5fedc003071834262d97	Male	false			true	
Francisco	Ortega	fortega@fiu.edu	1631670	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Masoud	Sadjadi	sadjadi@cs.fiu.edu	1661375	Pi/CoPi	Engineering & Computing		Male		PI		true	
Joseph	Gonzalez	jgonz770@fiu.edu	1234567	Pi/CoPi	Engineering & Computing		Male	false			true	
Ravi	Kiran	ragar005@fiu.edu	5788205	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Nandini	Dandu	ndand002@fiu.edu	5793467	Pi/CoPi	Engineering & Computing	Nandini Join This	Female	false	Administrator		true	
Shefali	Nakum	snaku001@fiu.edu	5788210	Pi/CoPi	Engineering & Computing		Female		Director		true	

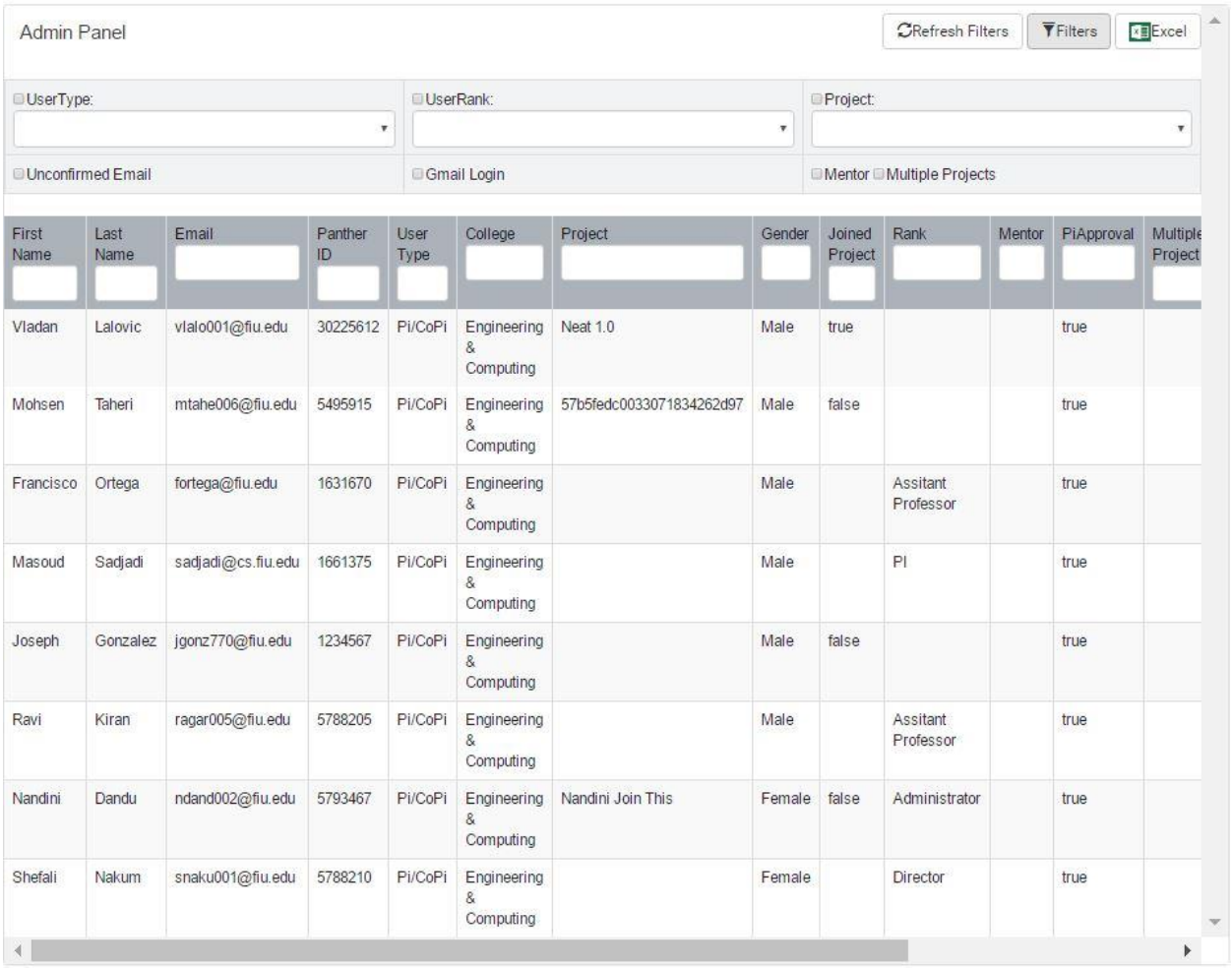
- Drop down showing more filter options



- Selecting Assistant Professor for User Rank and check the checkbox will show the filtered users

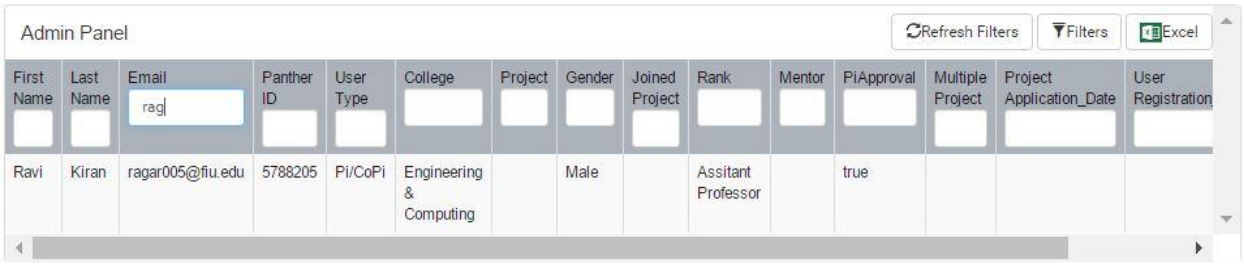


- Refresh Filters button to refresh all the search criteria at once



First Name	Last Name	Email	Panther ID	User Type	College	Project	Gender	Joined Project	Rank	Mentor	PiApproval	Multiple Project
Vladan	Lalovic	vlalo001@fiu.edu	30225612	Pi/CoPi	Engineering & Computing	Neat 1.0	Male	true			true	
Mohsen	Taheri	mtahe006@fiu.edu	5495915	Pi/CoPi	Engineering & Computing	57b5fedc003071834262d97	Male	false			true	
Francisco	Ortega	fortega@fiu.edu	1631670	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Masoud	Sadjadi	sadjadi@cs.fiu.edu	1661375	Pi/CoPi	Engineering & Computing		Male		PI		true	
Joseph	Gonzalez	jgonz770@fiu.edu	1234567	Pi/CoPi	Engineering & Computing		Male	false			true	
Ravi	Kiran	ragar005@fiu.edu	5788205	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true	
Nandini	Dandu	ndand002@fiu.edu	5793467	Pi/CoPi	Engineering & Computing	Nandini Join This	Female	false	Administrator		true	
Shefali	Nakum	snaku001@fiu.edu	5788210	Pi/CoPi	Engineering & Computing		Female		Director		true	

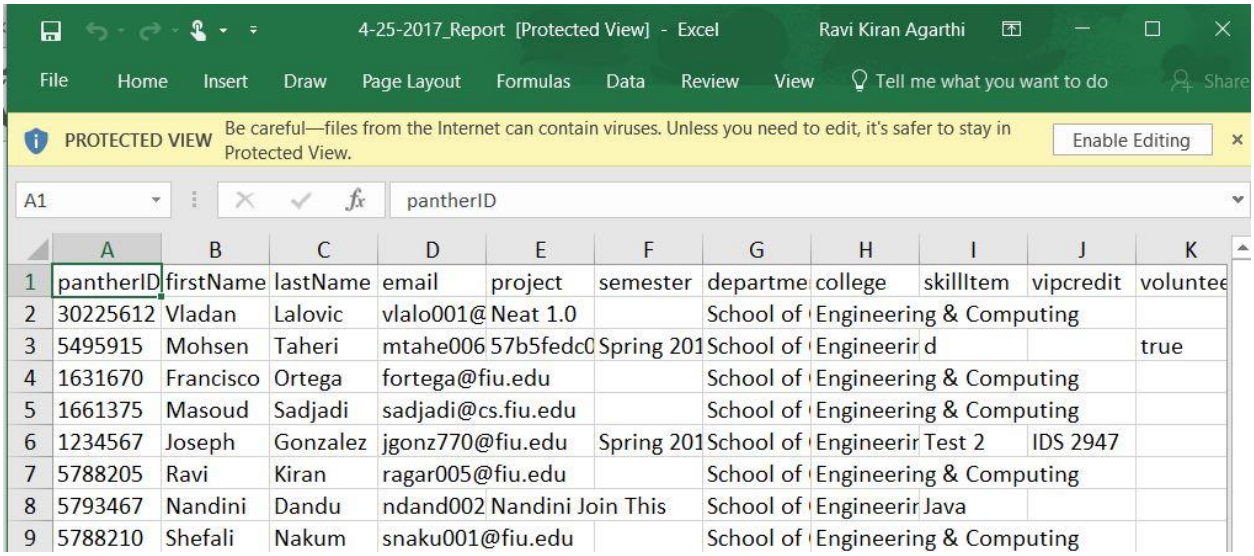
- Clicking on Filters would hide the more filters box



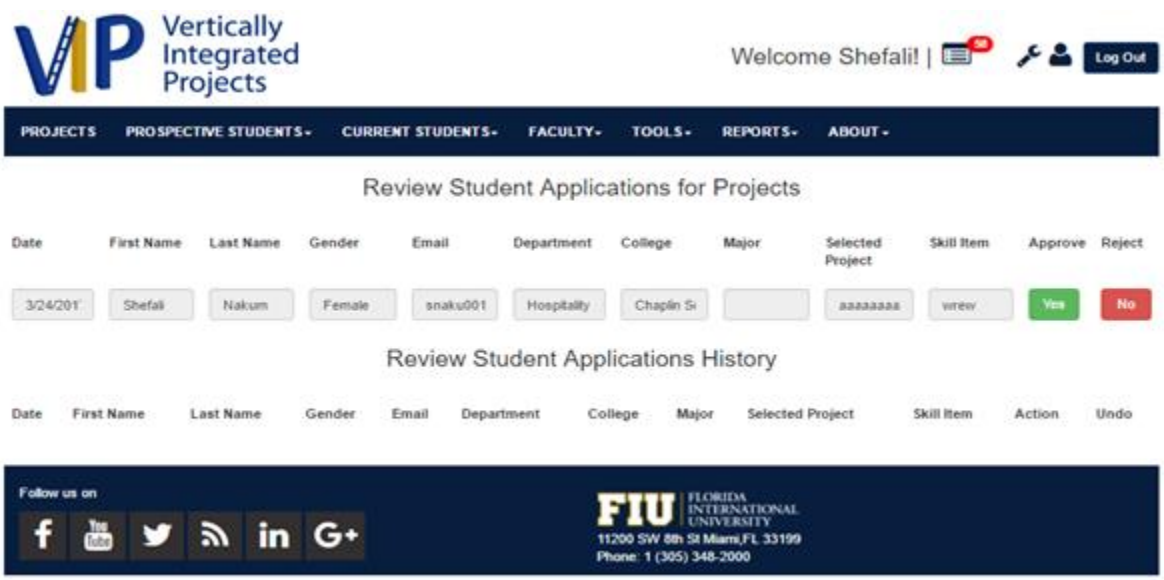
First Name	Last Name	Email	Panther ID	User Type	College	Project	Gender	Joined Project	Rank	Mentor	PiApproval	Multiple Project	Project Application_Date	User Registration
Ravi	Kiran	ragar005@fiu.edu	5788205	Pi/CoPi	Engineering & Computing		Male		Assitant Professor		true			

- Use the search boxes to perform search with any property of User

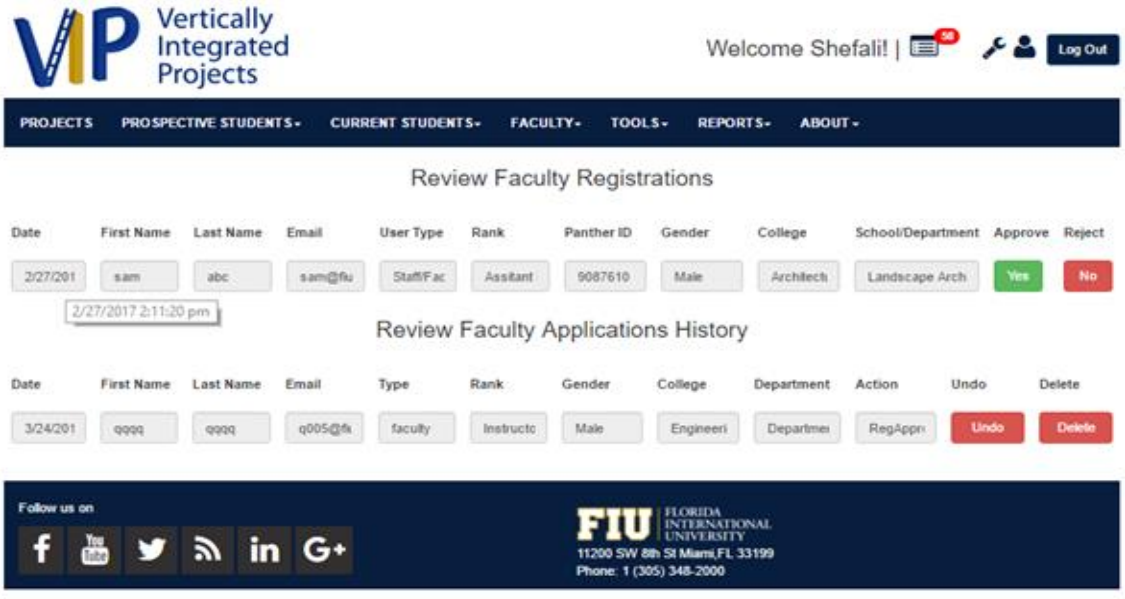
- Refresh filters with just one click



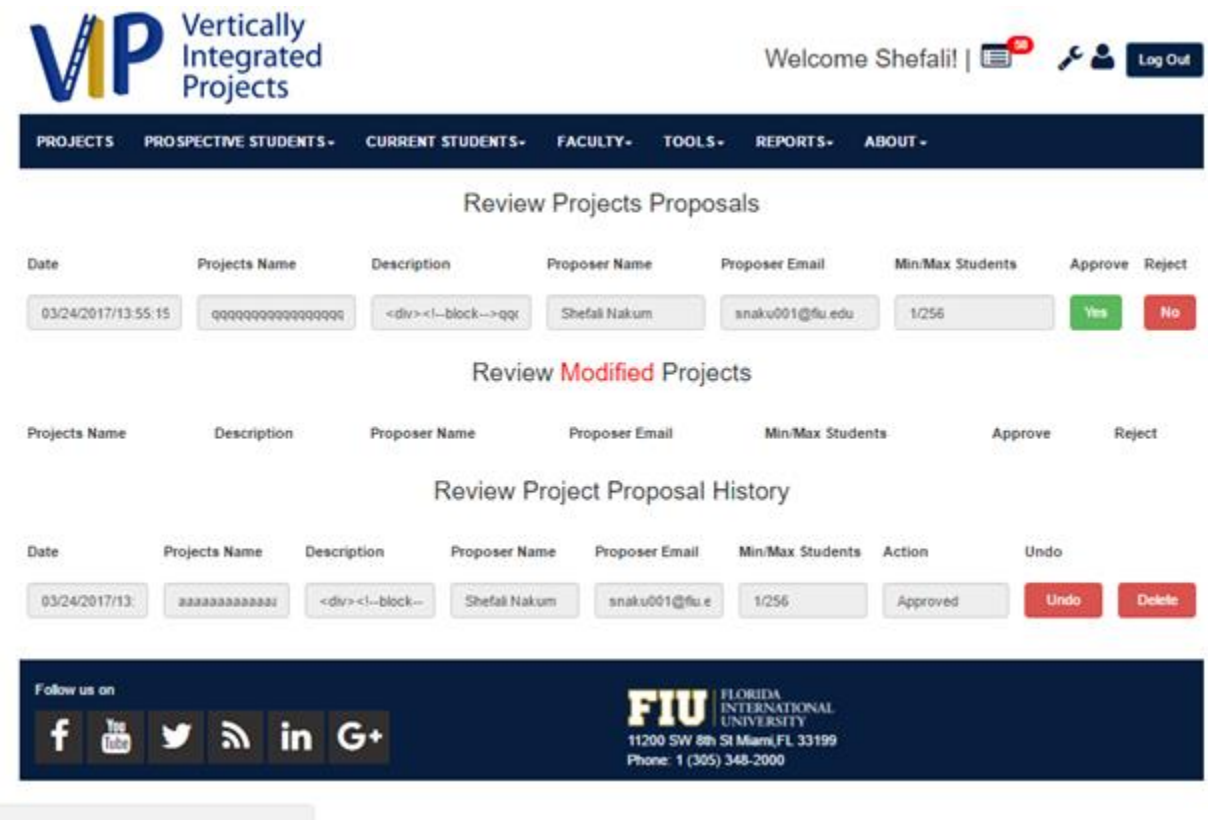
- No popup issue once downloaded the data using excel button



- Review Student Application Form



- Review Faculty Registration



Review Project Proposal

Panther ID	User Type	College	Project	Gender	Joined Project	Rank	Mentor	PiApproval	Multiple Project	Project Application_Date	User Registration_Date
9087610	Staff/Faculty	Architecture + The Arts		Male		Assitant Professor		false			2/27/2017 2:11:20 pm
5788210	PI/CoPI	Chaplin School of Hospitality and Tourism Management	aaaaaaaaaaaaaaa	Female	true					3/24/2017 2:27:3 pm	

Admin Panel

H	I	J	K	L	M	N	O	P
college	skillItem	vipcredit	volunteer	independentstudy	rank	userType	appliedDate	RegDate
Architecture + The Arts					Assitant Professor	Staff/Faculty		2/27/2017 2:11:20 pm
Chaplin School of Hospitality and Tourism Management	wrew		true		null	PI/CoPI	3/24/2017 2:27:3 pm	
						PI/CoPI		
Arts and Sciences & Education					Assitant Professor	Staff/Faculty		
Engineering & Computing					Instructor	Staff/Faculty		3/24/2017 2:16:58 pm

Excel Sheet

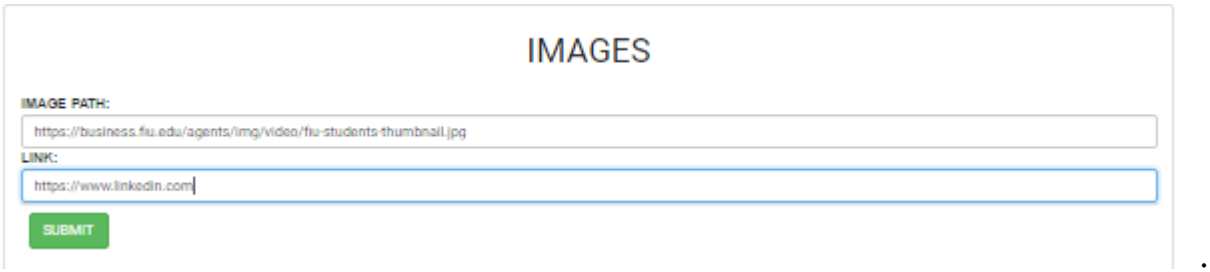
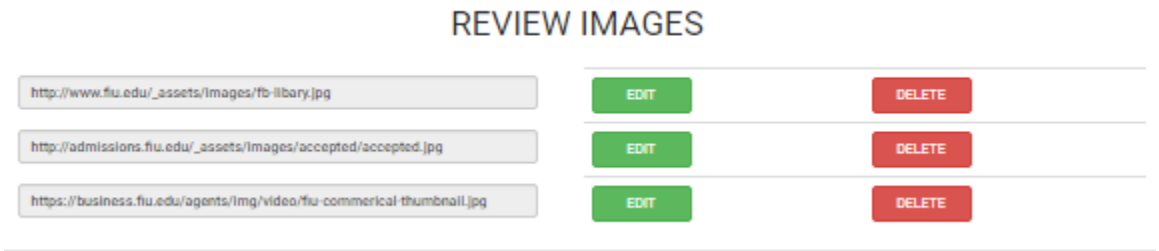


Image Panel



Review Image Panel

REFERENCES

1. https://www.youtube.com/watch?v=FzWEwyDLmE4&list=PLG3lylzOg8FiKAEZ_e6ylJLw0Trin6M_F
2. https://www.youtube.com/watch?v=zRpgZ2Ngx78&index=2&list=PLG3lylzOg8FiKAEZ_e6ylJLw0Trin6M_F
3. https://www.youtube.com/watch?v=qkzJaDqtFyA&list=PLG3lylzOg8FiKAEZ_e6ylJLw0Trin6M_F&index=3
4. https://www.youtube.com/watch?v=eAu8xMKpQY0&index=4&list=PLG3lylzOg8FiKAEZ_e6ylJLw0Trin6M_F
5. https://fiu-scis-seniorproject.mingle.thoughtworks.com/projects/vip/cards/grid?aggregate_property%5Bcolumn%5D=points&aggregate_type%5Bcolumn%5D=sum&color_by=priority&filters%5B%5D=%5BType%5D%5Bis%5D%5BStory%5D&filters%5B%5D=%5BRelease%5D%5Bis%5D%5B1196%5D&group_by%5Blane%5D=sprint&lanes=1197%2C1198%2C1199%2C1200%2C1201%2C1202&tab=Sprint+Planning
6. https://github.com/FIU-SCIS-Senior-Projects/VIP-5.0/tree/Final