



Head Professor User Guide  
CIS4911 Senior Project  
Section U01  
Professor Masoud Sadjadi

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Senior Project Website  
Senior Project  
Spring 2014

**Team Members:**

Cynthia Tope  
William Marquez  
Christopher Kerrutt

## Copyright

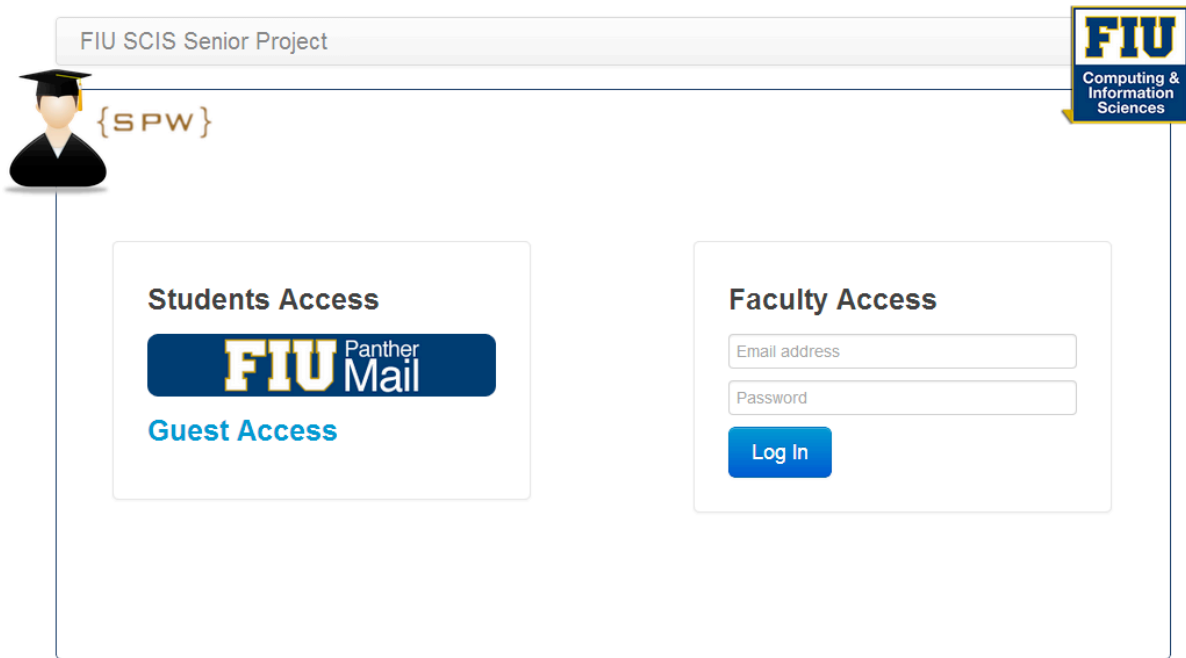
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## **Overview**

This user guide is designed to help a person who will be fulfilling Head Professor role in the Senior Project Website. This document will provide a walkthrough for the major functionalities a Head Professor can execute. The specification for executing those actions will be provided. Additionally, to aid understandability, screenshots of the corresponding user interface elements are included to help the user.

## 1. Getting Started/Login

Access the Senior Project Website at: <http://srprog-spr13-01.aul.fiu.edu/senior-projects/login>



The screenshot shows the login page for the FIU SCIS Senior Project. At the top, there is a header bar with the text "FIU SCIS Senior Project" on the left and the FIU Computing & Information Sciences logo on the right. Below the header, on the left, is a graduation cap icon next to the text "{SPW}". The main content area is divided into two columns. The left column is titled "Students Access" and contains a button labeled "FIU Panther Mail" and a link labeled "Guest Access". The right column is titled "Faculty Access" and contains two input fields: "Email address" and "Password", followed by a blue "Log In" button. The page footer includes the text "Florida International University" on the left and "Rendered in 0.0204 seconds" on the right.

Login into the site with “Faculty Access”. Enter your credentials and click the “Log In” button.

## 2. Functions in the Admin Dashboard

Once you are authenticated as a Head Professor user, you will be presented with the view presented below. Notice that since you are a Head Professor, you have access to an “Admin” panel from the top menu bar.

[Current Projects](#) [Past Projects](#) [My Projects](#) [Admin](#) [About](#)

### Dynamic Presenter

Dynamic Presenter [More Info...](#)

Proposed By: [Masoud Sadjadi](#)

Mentor: [Juan Caraballo](#)

Team Members: [Jimmy Mauri](#) [Jose Camino](#)

Status: **APPROVED**

C# Php Java Pl/sql

This project will be focused on creating a multiplatform game engine used to build a video game. This game engine will use OpenGL to deliver 2D or 3D graphics on each platform. The engine will give a [More Info...](#)

Proposed By: [Masoud Sadjadi](#)

Mentor: [Wei Zang](#)

Team Members: [Antonio Diaz](#) [Brian Lara](#) [Julian Nodarse](#) [Michael Weschler](#) [Robert Law](#)

Status: **APPROVED**

### Mobile Clinic: Version 2

The Mobile Clinic Project is an open source software system designed to provide basic patient management and records needs in ad hoc clinics established in remote villages in Africa. Many charities pr [More Info...](#)

Proposed By: [Masoud Sadjadi](#)

Mentor: [Steven Luis](#)

Team Members: [James Mendez](#) [Kevin Diaz](#) [Humberto Suarez](#) [Ernesto Garcia](#)

Status: **APPROVED**

### **3. Project Management Activities**

The Head Professor can execute a number of actions that affect the projects. Below is a list of those major functions:

1. Create projects
2. Change the status of proposed project
3. Assign a mentor to a project
4. Assign/Remove students to a project
5. Delete the project

Let's explore these functions in more detail...

### 3.1 Creating Projects

You will interact with the view displayed below to create projects:

The screenshot shows a web application interface for creating a project. At the top, there is a navigation bar with links: 'Current Projects', 'Past Projects', 'My Projects', 'Admin', and 'About'. To the right of these links is a search bar with the placeholder text 'search for people, skills, pr' and a magnifying glass icon, followed by a user profile icon. Below the navigation bar is a large white box titled 'Create Project'. Inside this box, there are three input fields: 'Enter the project title...' (a single-line text input), 'Enter skills...' (a single-line text input), and 'Enter a description for the project...' (a multi-line text area). Below these fields, there is a label 'Maximum project capacity:' followed by a dropdown menu showing '5 students'. To the right of this is a 'Cancel' button and a 'Save Changes' button. Below the capacity dropdown is a label 'Add a Mentor:' followed by a dropdown menu.

The required fields in this form are the “Title” and the “Description”. You can add skills to a project as shown below:

This screenshot shows a close-up of the skill selection part of the form. It features a horizontal list of skill tags: 'Java' with a close button (x), 'C#' with a close button (x), and 'F#' with a close button (x). To the right of these tags is a text input field containing 'F#'. Below the input field, a blue dropdown menu is open, showing 'F#' as the selected option.

Additionally, you can also assign a mentor to a project (assuming that there are mentors in the system).

This screenshot shows a close-up of the 'Add a Mentor:' dropdown menu. The dropdown is open, displaying a list of names: 'Christine Lisetti', 'M Sadjadi', 'Masoud Sadjadi', 'Ming Zhao', 'Steven Luis', and 'Wei Zang'. The dropdown is highlighted with a blue border.

After you are done inputting the information, click the “Save Changes” button to create the project.

### 3.2 Change the status of proposed project

Changing the status of a proposed project is easy. Simply click on a project that is currently pending approval.

**Mobile Moodle**

Mobile Version of FIU SCIS Moodle [More Info...](#)

Proposed By: [Antonio Vazquez](#)

Mentor: This project does not have a mentor

Team Members: [Antonio Vazquez](#)

Status: **PENDING APPROVAL**

PHPJava

After clicking the project, you will be able to change its status to: APPROVED or REJECTED

## Edit Project

Mobile Moodle

Php xJava xEnter skills...

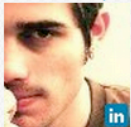
Mobile Version of FIU SCIS Moodle

Maximum project capacity: 3 students

Change Project status: 

PENDING APPROVALPENDING APPROVALAPPROVEDREJECTED

Add a Mentor:

Proposed By: [Antonio Vazquez](#)  


Cancel

Save Changes

Delete Project

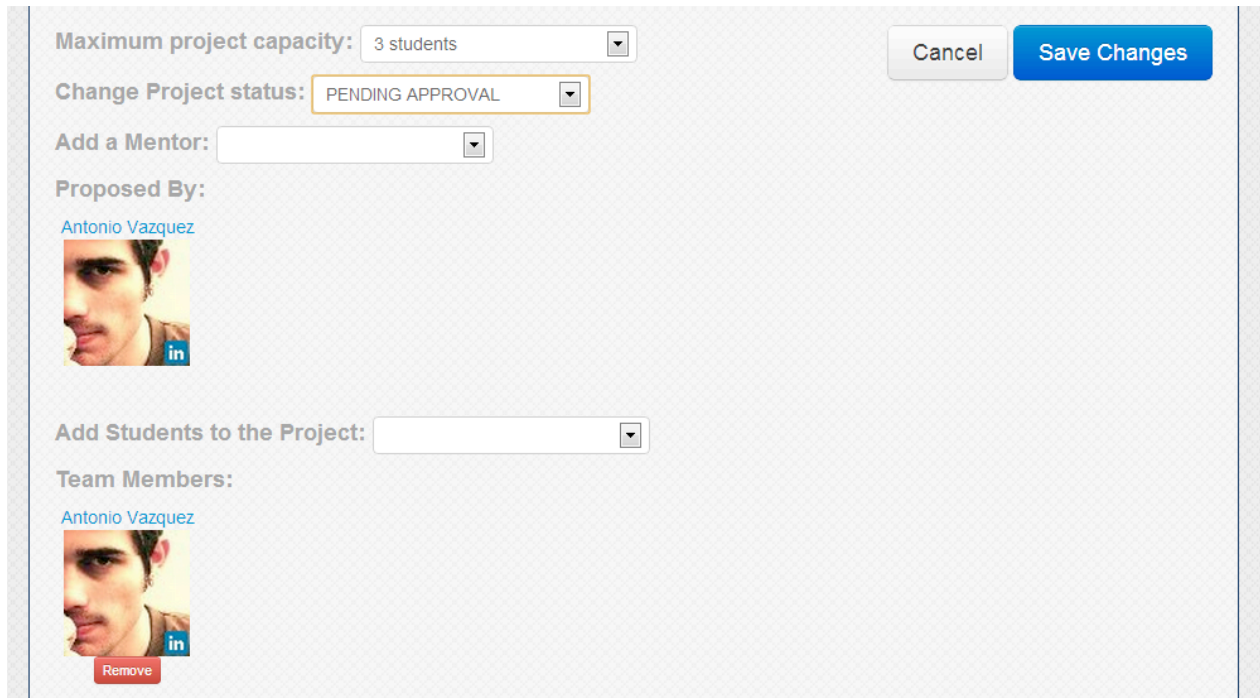
### 3.3 Assign a mentor to a project



To assign a mentor to a project click on any project found in the “Current Projects” (located in the top menu bar). Then change/assign a mentor as shown in section 3.1

### 3.4 Assign/Remove students to a project

To assign/remove a student to a project click on any project found in the “Current Projects” (located in the top menu bar). This will place you into edit mode for that specific project:



Maximum project capacity: 3 students

Change Project status: PENDING APPROVAL

Add a Mentor:

Proposed By:  
Antonio Vazquez

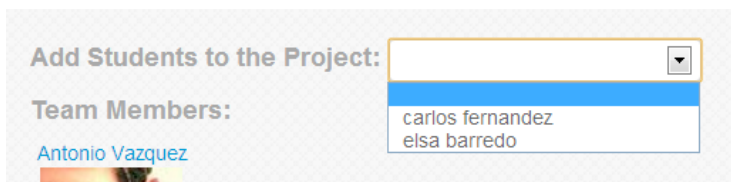
Add Students to the Project:

Team Members:  
Antonio Vazquez

Remove

Cancel Save Changes

Then select a student to add to the project:

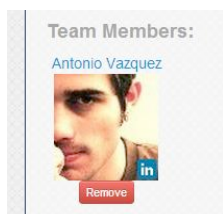


Add Students to the Project:

Team Members:  
Antonio Vazquez

carlos fernandez  
elsa barredo

Or select a student to remove a student from a project:



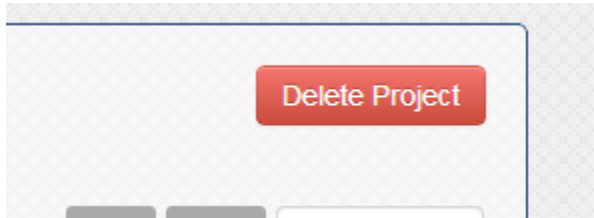
Team Members:

Antonio Vazquez

Remove

### 3.5 Delete the project

To delete project click on any project found in the “Current Projects” and “Past Projects” (located in the top menu bar). This will place you into edit mode for that specific project. To delete the project just click the “Delete” button (located in the top right of the edit project view).

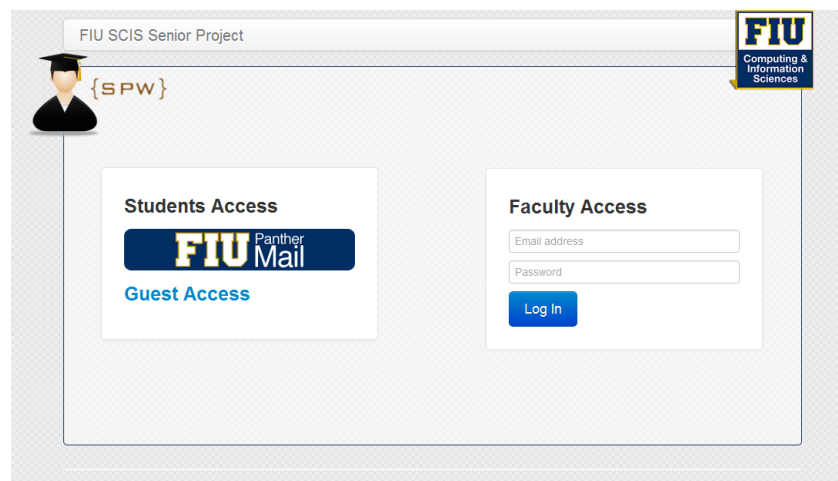


## 4.2 Professor User Instructions

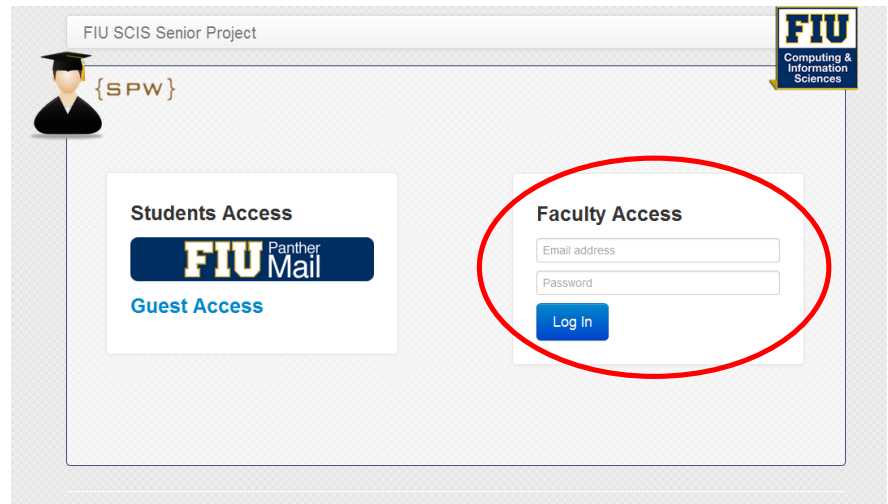
### 4.2.1 Matching Algorithm Subsystem

How to Rank

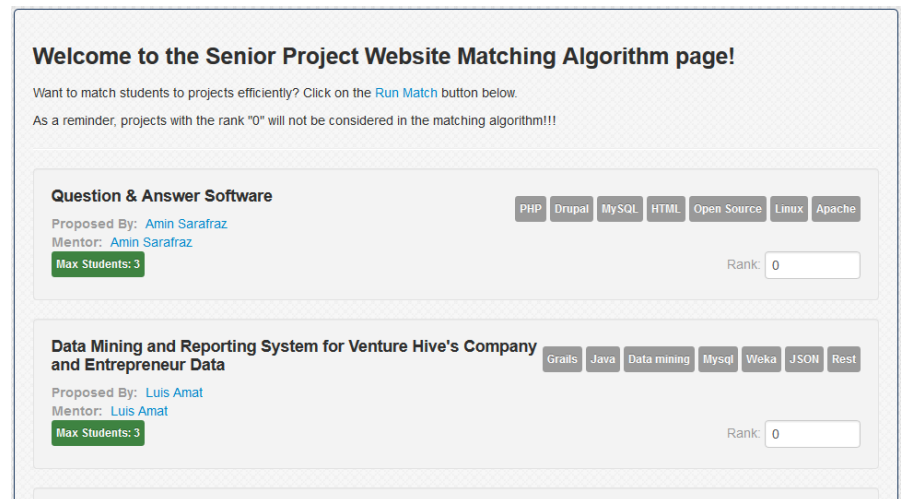
1. After navigating to the respective URL, you should be at a login page.



2. Under “Faculty Access”, you should login using your FIU admin credentials.



3. After successfully logged in, you should be redirected to a page that shows all the current projects.
4. Now you need to click on the “Match” tab in the menu bar to be redirected to the page below:



5. In the “Rank:” textboxes, you should now rank the projects you wish to be in the matching algorithm, with the knowledge that same rank numbers are weighted as equal interest and as the numbers descend, the priority decreases. The 0 values are set to mean that the project has not been ranked.

**Welcome to the Senior Project Website Matching Algorithm page!**

Want to match students to projects efficiently? Click on the [Run Match](#) button below.

As a reminder, projects with the rank "0" will not be considered in the matching algorithm!!!

**Question & Answer Software**

Proposed By: [Amin Sarafraz](#)

Mentor: [Amin Sarafraz](#)

Max Students: 3

Rank:

PHP Drupal MySQL HTML Open Source Linux Apache

**Data Mining and Reporting System for Venture Hive's Company and Entrepreneur Data**

Proposed By: [Luis Amat](#)

Mentor: [Luis Amat](#)

Max Students: 3

Rank:

Grails Java Data mining Mysq Weka JSON Rest

- Once you have finished ranking, you should then scroll to the bottom and click on the “Save Priority Ranking Scheme” button to save the scheme you have just created.

Mentor: [Ivan Casas](#)

Max Students: 6

Rank:

[Save Priority Ranking Scheme](#)

[Run Match](#)

#### How to Update Rank Minimum

- After logging in using the instructions above, navigate to the “Admin Dashboard” by clicking the “Admin” tab in the menu bar.
- Scroll down to “Update rank minimum” and input the desired minimum and click the “Save minimum” button.

**Update rank minimum**

[Save Minimum](#)

#### How to Run Match

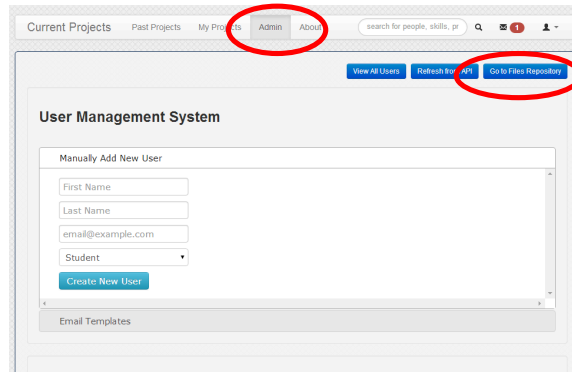
- Once you have ranked the most important projects that you wish to be in the algorithm and you have told the students to rank the minimum number of projects, navigate to the “Match” page using the instructions above and scroll to the bottom and click the “Run Match” button.
- The algorithm will run and take a long time and the results



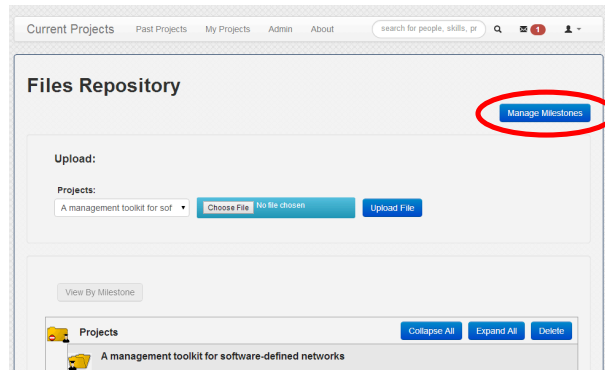
### 4.2.3 Repository Subsystem

#### How to Create a Milestone

1. After logging in as the head professor, click the “Admin” tab and then click the “Go to Files Repository”.



2. In the Files Repository page, click the “Manage Milestones” button.



3. For each milestone needed, click the “Add New” button.

The screenshot shows the 'Manage Files Repository' page. At the top, there is a navigation bar with links: 'Current Projects', 'Past Projects', 'My Projects', 'Admin', and 'About'. A search bar is also present. Below the navigation bar, the page title 'Manage Files Repository' is displayed. A paragraph of text explains the functionality: 'Here you can add, edit or delete the milestones used during this semester. To restore deleted milestones, select the "restore checkbox" next to its name or simply edit the name or due date then save. To permanently delete milestones select the "destroy checkbox" next to its name then save.' Below this text, there is a blue button labeled 'Add New', which is circled in red. Underneath the button, there is a checkbox labeled '\*There is no deleted milestones to show.' and a 'Delete' button. A table with three columns is shown: 'Milestone Name', 'Due Date', and 'Delete'. The 'Milestone Name' column has a text input field with the placeholder 'Enter milestone name'. The 'Due Date' column has a date input field. The 'Delete' column has a checkbox. At the bottom of the table, there are two blue buttons: 'Back' and 'Save Milestones'.

4. On each row on the table, you may type the milestone name on the first text field and assign a due date on the second input field.

This screenshot is identical to the one above, showing the 'Manage Files Repository' page. In this view, the 'Add New' button is no longer circled. Instead, the 'Back' and 'Save Milestones' buttons at the bottom of the table are circled in red. The table structure and other elements remain the same.

5. Once all milestones are added to the list, click the “Save Milestones” button. A confirmation message will appear at the top.

Successfully updated 2 milestone(s).

### Manage Files Repository

Here you can add, edit or delete the milestones used during this semester. To restore deleted milestones, select the "restore checkbox" next to its name or simply edit the name or due date then save. To permanently delete milestones select the "destroy checkbox" next to its name then save.

[Add New](#)

☐ \*There is no deleted milestones to show. [Delete](#)

Milestone Name	Due Date	Delete
Feasibility Study and Project f	<input type="text"/>	<input type="checkbox"/>
Requirements Analysis	<input type="text"/>	<input type="checkbox"/>
Poster Presentation	<input type="text"/>	<input type="checkbox"/>

[Back](#) [Save Milestones](#)

6. Now, your milestones are created and if you click the “Back” button you will see the milestones in the Files Repository.

### Files Repository

[Manage Milestones](#)

Upload:

Projects: A management toolkit for s Milestones: Feasibility Study and Proje [Choose File](#) No file chosen [Upload File](#)

[View By Project](#)

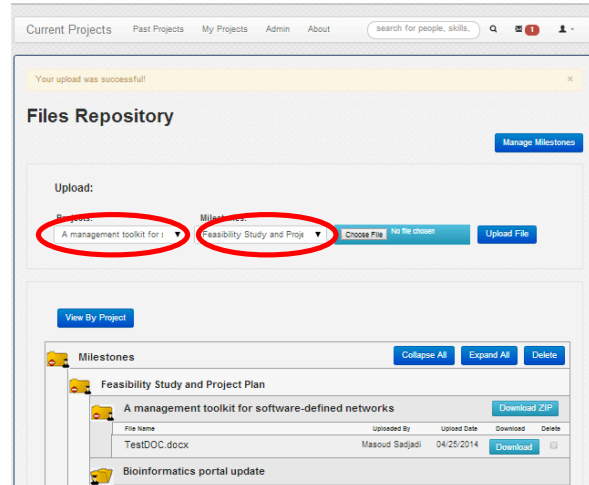
Milestones [Collapse All](#) [Expand All](#) [Delete](#)

- Feasibility Study and Project
- Requirements Analysis
- Poster Presentation



## How to Upload a file

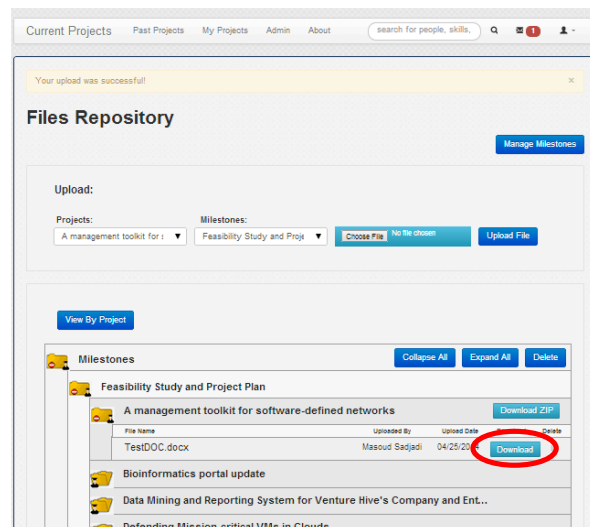
1. At the Files Repository Page and as the head professor or other professor, you must select a project and a milestone in which you want to upload your file.



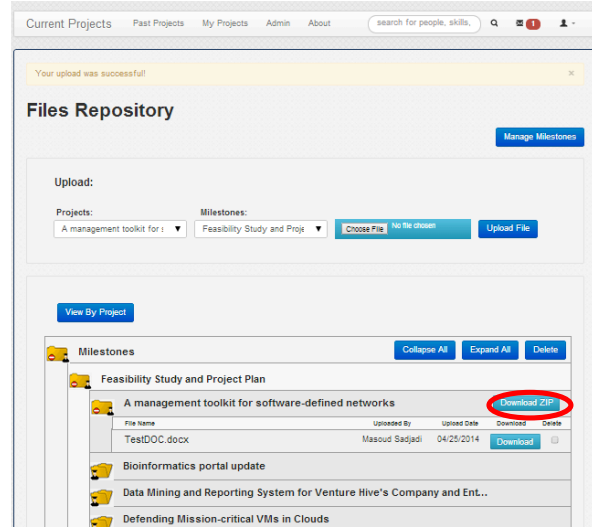
2. At the Files Repository page and as a student select only the milestone, since each student only has only one project assigned.
3. Then click the “Choose file” button to select the file to upload and then click the “Upload File”

## How to Download a file or a project

1. At the Files Repository Page, click the “Download” button next to the file you wish to download.



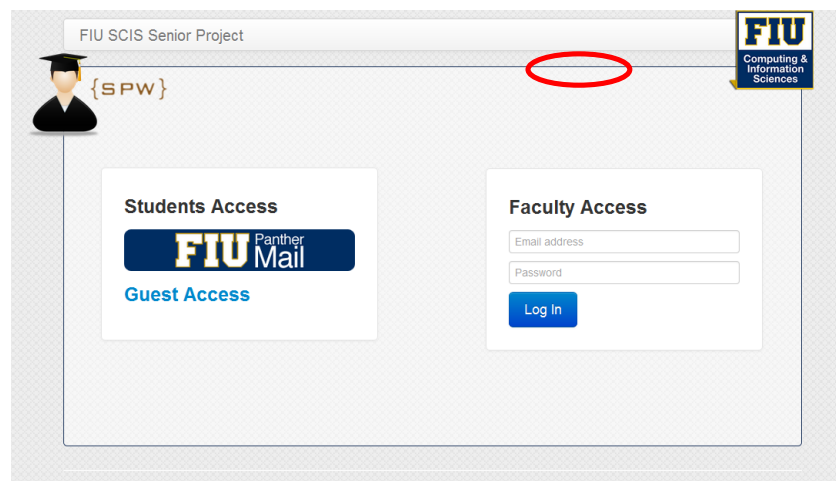
2. To download a ZIP file of the project, simply click the “Download ZIP” button next the project name.



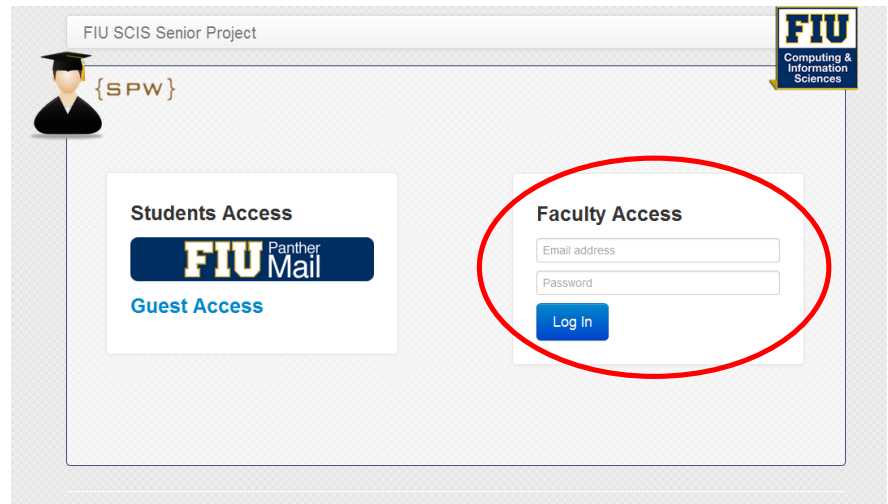
#### 4.2.3 User Management Subsystem

Manually Add A New User

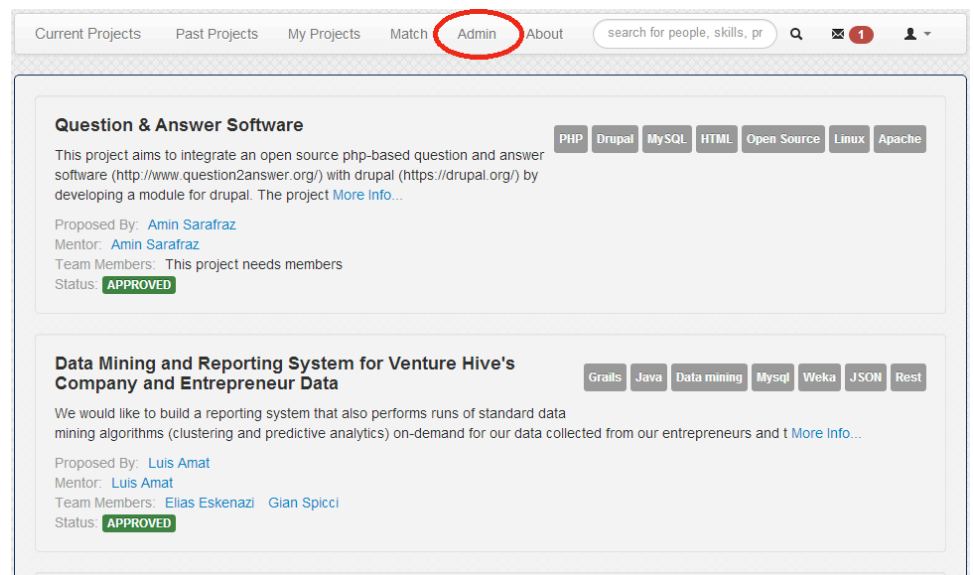
1. After navigating to the respective URL, you should be at a login page.



2. Under “Faculty Access”, you should login using your FIU admin credentials.



3. After successful log in, you should be redirected to a page that shows all the current projects.
4. Click on the Admin tab in the menu bar to be redirected to the Head Professor's dashboard



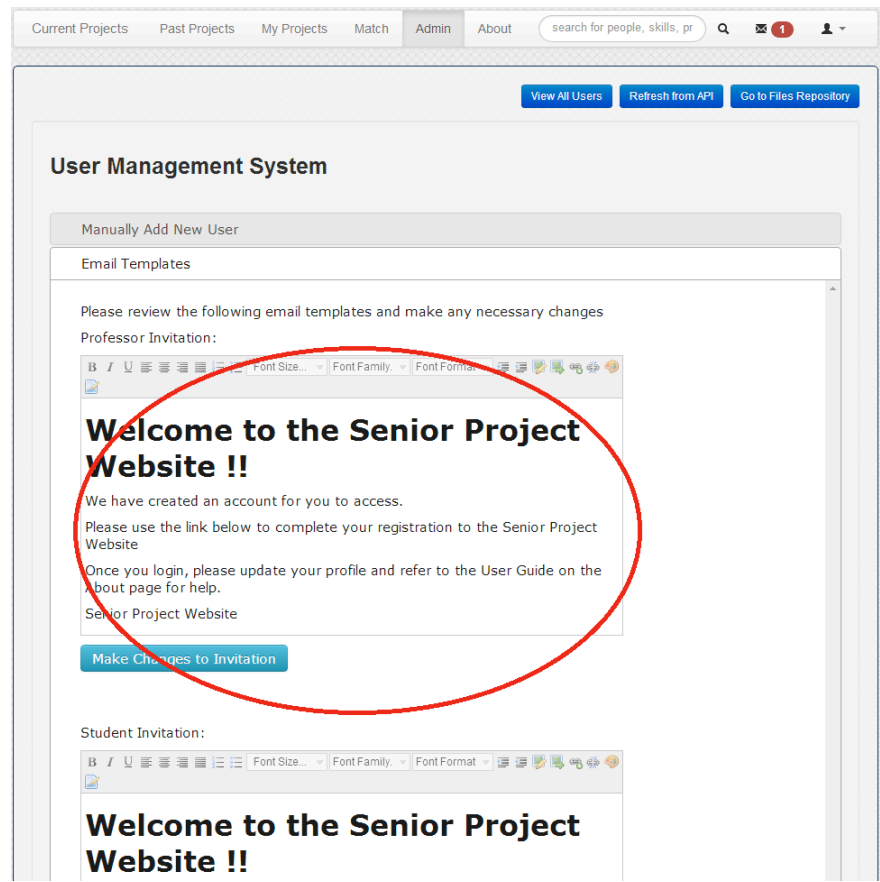
The screenshot shows the 'User Management System' dashboard. At the top, there is a navigation bar with links: 'Current Projects', 'Past Projects', 'My Projects', 'Match', 'Admin' (highlighted), and 'About'. A search bar on the right says 'search for people, skills, pr'. Below the navigation bar are three buttons: 'View All Users', 'Refresh from API', and 'Go to Files Repository'. The main content area is titled 'User Management System' and contains a form titled 'Manually Add New User'. The form has four input fields: 'First Name', 'Last Name', 'email@example.com', and a dropdown menu with 'Student' selected. A blue 'Create New User' button is at the bottom of the form. Below the form is an accordion menu with 'Email Templates' selected.

5. On the Head Professor dashboard, in order to add a new user, enter the new user's first name, last name, email, and select his/her role. Then click on the "Create New User" button

This screenshot is identical to the one above, showing the 'User Management System' dashboard. The 'Manually Add New User' form is circled in red, highlighting the input fields for 'First Name', 'Last Name', 'email@example.com', the 'Student' dropdown, and the 'Create New User' button.

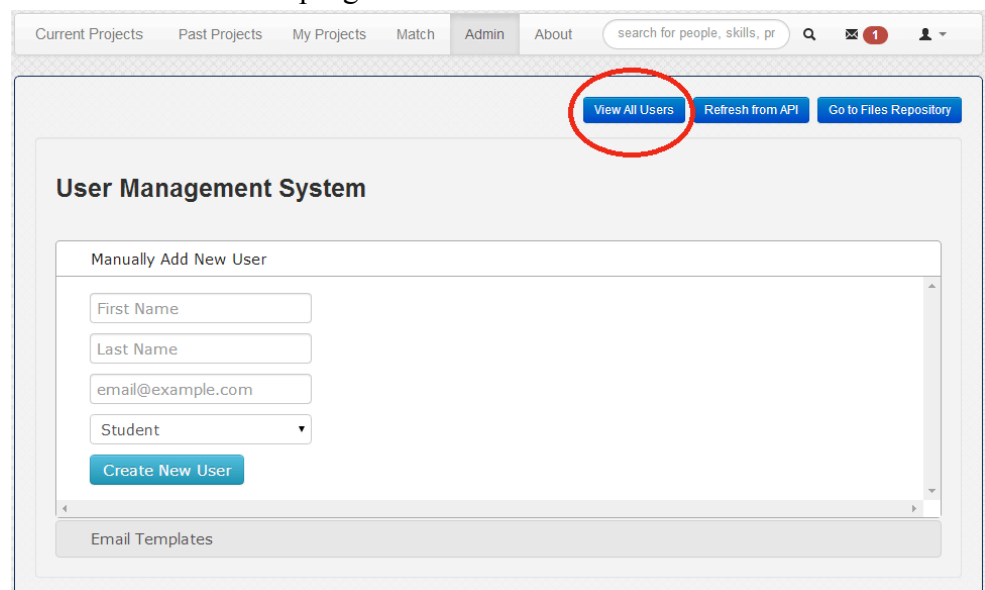
## Update Email Templates

1. On the Head Professor's dashboard, in order to change the template for the email a new user will receive inviting him/her to join the Senior Project Website, click on the accordion menu item labeled "Email Templates" and edit any of the templates. When finished click the corresponding "Make Changes to Invitation" button.

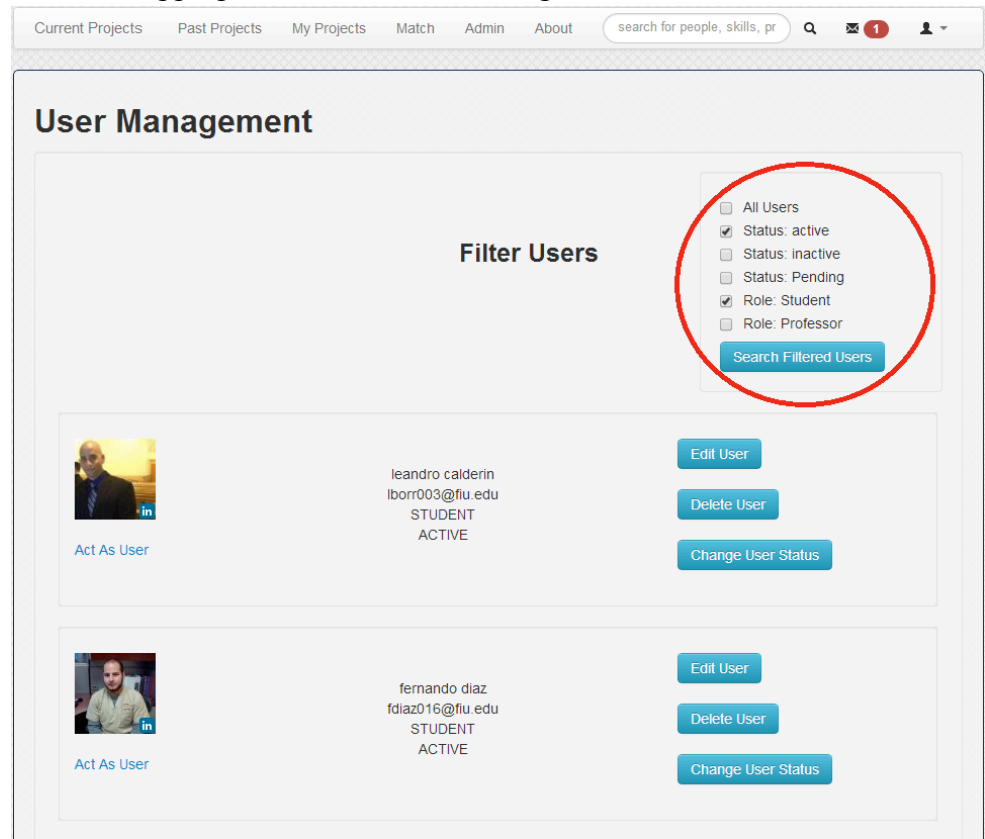


Filter Users, Edit Users, Delete Users, Change User Status

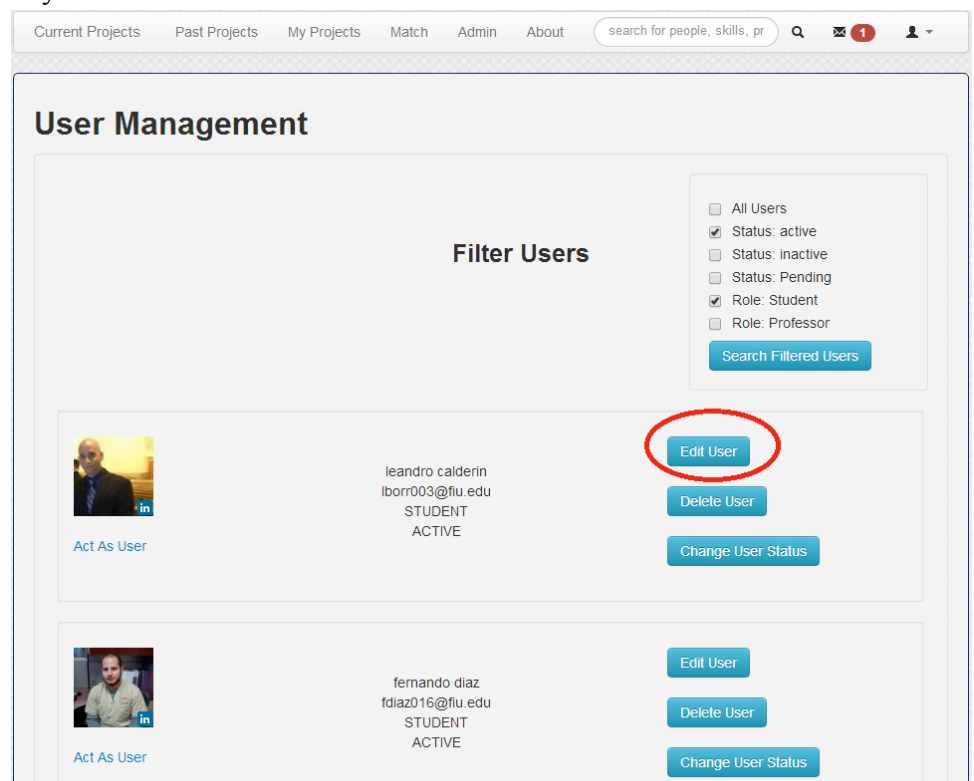
1. To filter through the users in the system, click on the “View All Users” button at the top right of the Head Professor dashboard.



2. Select the appropriate filters to sort through the list of users




3. Click on the “Edit User” button to edit the basic information for any user.



Current Projects Past Projects My Projects Match Admin About search for people, skills, pr Q 1

## Edit User



STUDENT

Edit User

4. Click on the “Delete User” button to remove any user from the database. The system will ask you to confirm that you really want to make this selection.


Current Projects Past Projects My Projects Match Admin About search for people, skills, pr Q 1

## User Management

### Filter Users

☐ All Users  
☒ Status: active  
☐ Status: inactive  
☐ Status: Pending  
☒ Role: Student  
☐ Role: Professor

Search Filtered Users




Act As User

leandro calderin  
lborr003@fiu.edu  
STUDENT  
ACTIVE

Edit User

Delete User

Change User Status



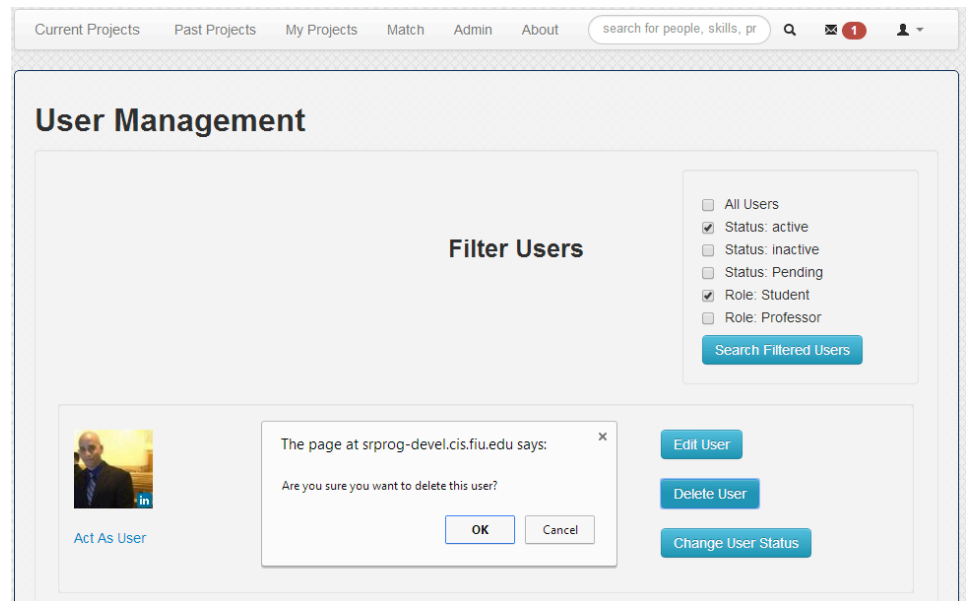
Act As User

fernando diaz  
fdiaz016@fiu.edu  
STUDENT  
ACTIVE

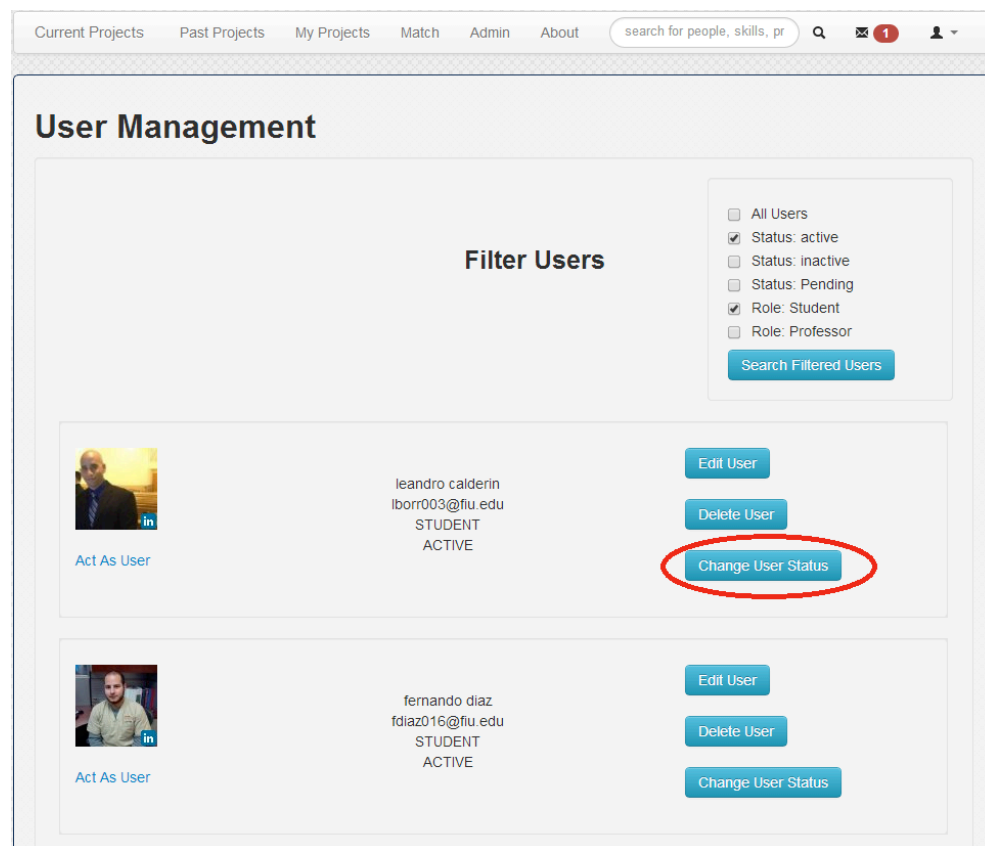
Edit User

Delete User

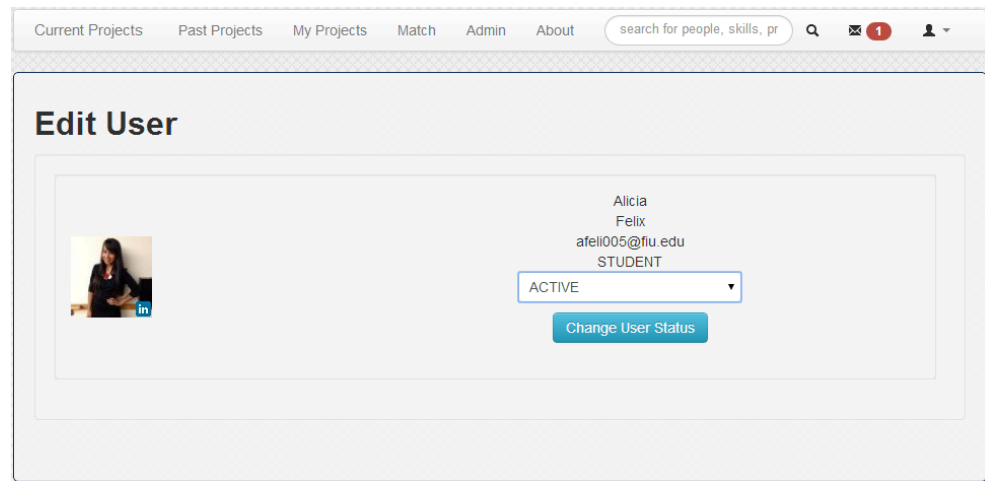
Change User Status



5. Click the “Change User Status” button to the change the status of a user from “ACTIVE” to “INACTIVE” or vice versa

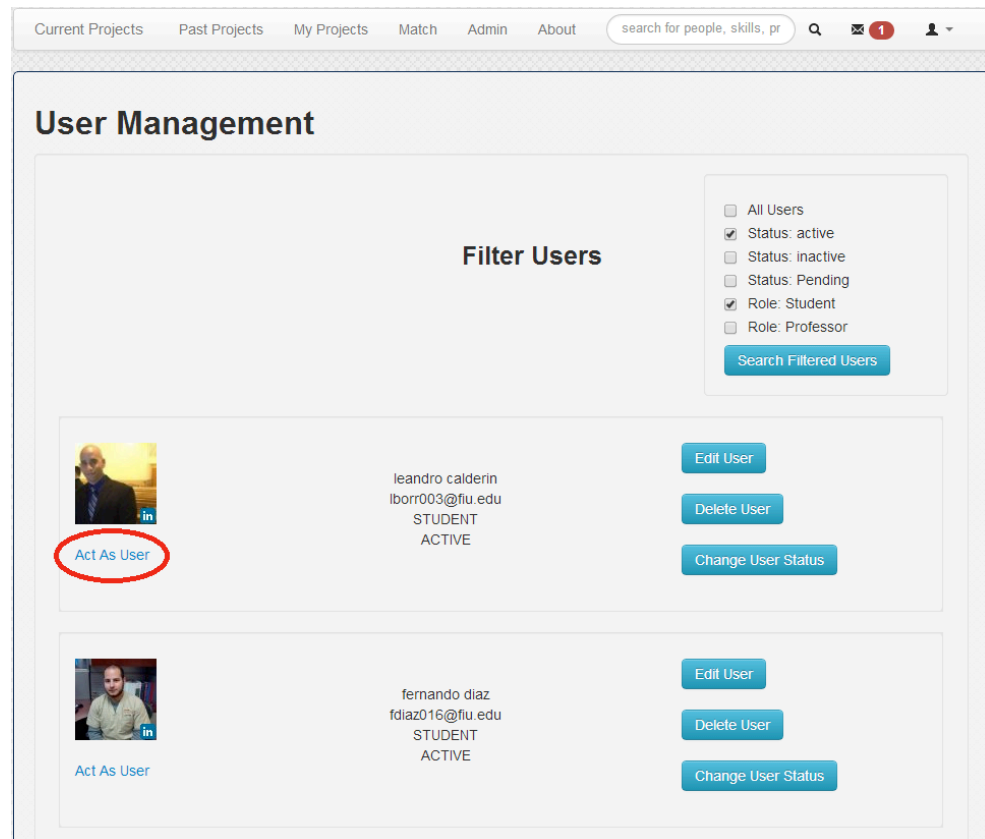






### Act On Behalf of User

1. Click on the “Act As User” link below the picture of any user to act on his/her behalf. The system will recognize you as that user and, in order to end the session, the “Return to Head Professor” link is located in the user profile tab at the top right of the screen.



[Current Projects](#) [Past Projects](#) [My Project](#) [File Repository](#) [About](#)

**elias eskenazi**  
[Return to Head Professor](#)  
[Logout](#)

As a reminder, the initial rank values of -1 mean that the projects are unranked. Once the professor ranks the projects, you need to rank a minimum of 3 project(s).

## Suggested Projects

**Mobile Application to Enhance Metrics Collection process for Venture Hive's Startups**

GrailsMySQLJavaScriptJSONRestMobile ApplicationsJavaGroovy

Build a mobile app to enable Venture Hive resident company founders, mentors and program managers to easily interface with our custom management platform. We would like to be able to enhance the usability [More Info...](#)

Proposed By: [Luis Amat](#)  
Mentor: [Luis Amat](#)  
Team Members: This project needs members  
Status: **APPROVED**

Rank:

**A management toolkit for software-defined networks**

JavaPythonLinuxNetworking

This project will develop a toolkit for managing software-defined networks (SDN). The toolkit will present important management information in real time in a user-friendly way (preferably graphical via [More Info...](#)

Proposed By: [Xin Sun](#)  
Mentor: [Xin Sun](#)  
Team Members: This project needs members  
Status: **APPROVED**

Rank: