Student User Guide

CIS4911 Senior Project

Section U01

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Senior Project Website

Senior Project

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Table of Contents

1. General Information

This section contains an overview of the system. It provides a list of the acronyms and abbreviations used in this manual and their meaning.

1.1. Introduction

The application relies on web based system. It is intended for Senior Project class students of Computer Science at Florida International University. Students, professors and clients can sign in using multiples login options, pull their profiles from LinkedIn and search, join, and leave projects. This system will ease the process of coordination of the class for the professor in charge of this one, will allow student to get to this class with a project they are passionate about and a well assembled team and for the project's sponsors to be able to promote their projects and look for the skills needed for it.

The system has four users:

- Head Professor (Professor teaching the class and Administrator of the website)
- Mentors (Mentor for a Project)
- Student (SCIS student)
- Guest (Unregistered user)

1.2. Acronym and Abbreviations

FIU
Florida International University

SPW
Senior Project Website

API
Application Programming Interface

SCIS
School of Computing and Information Sciences

LinkedIn
Social networking website for people in professional occupations

Guest user
Unregistered user in SPW

Registered user
SPW registered user

Student
SCIS Student

EULA
End User License Agreement

2. Hardware and Software requirements

Software	Hardware
PHP 5.1	Processor: x86 / x64 2.0 GHz or faster
MySql 5.0	Memory: 2 GB DDR3 or higher
Apache 2	Disk Space: 20 GB
	Display: 1024 X 768 with DirectX 9

3. Installation and setup

This section describes the database and code deployment guides.

3.1. Database Deployment Guide

Repository: https://github.com/camilin87/senior_project_db.git

1- Connect to the remote server ussing ssh

2- Download the database from the git repository

`git clone git://github.com/camilin87/senior_project_db.git`

3- Enter the repository folder

`cd senior_project_db`

4- If you already had downloaded the repository download the latest version. `git pull`

5- Drop all the existing tables in the DB by running this very long command.

`echo "set foreign_key_checks=0;" > drop.sql && mysqldump -u spw_rw -p --no-data`

`senior_project_website | grep ^DROP >> drop.sql && echo "set foreign_key_checks=1;" >>`

`drop.sql && mysql -u spw_rw -p senior_project_website < drop.sql && rm drop.txt`

6- Import the newly downloaded database.

`mysql -p -u spw_rw senior_project_website < senior_project_website.sql`

Database users:
- root: should not be used
- spw_r: readonly access user, should be used for non-changing queries
- spw_rw: user with read write access
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3.2. Code Deployment Guide

Repository: https://github.com/camilin87/senior_project.git

1- Connect to the remote server ussing ssh

2- Enter the website directory

`cd /var/www/html/senior-projects/`

3- Switch to the master branch. Or any branch you want to publish

`sudo git checkout master`

4- Download the latest version of the source code

`sudo git pull`

4. Getting started

To describes the basis of how to use this website, three of the principal use cases are shown step by step.

To access the Senior Project Website, open a browser and type the following address on the address bar: http://srprog-spr13-01.aul.fiu.edu/senior-projects/

4.1. Student login

Step 1. First the login page is shown if you don't have a previous session open (Figure 1)
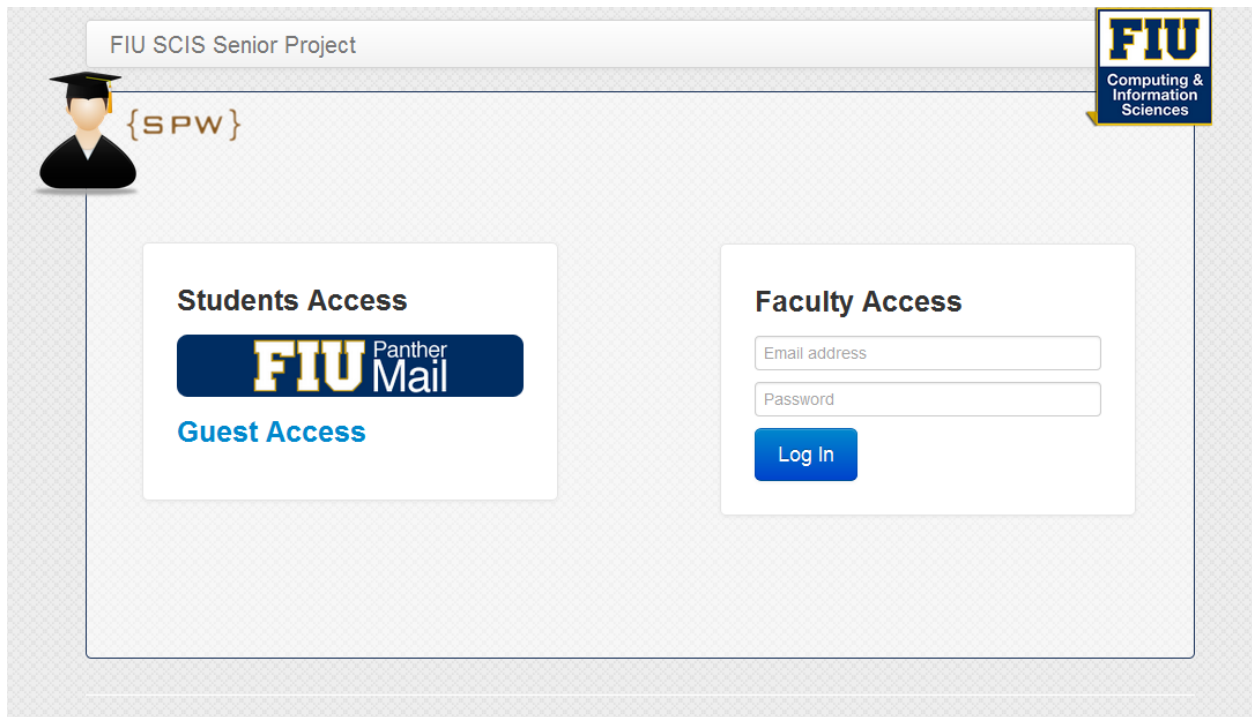
Figure 1. Login Page

Step 2. Students can only login using the FIU Panther Mail link and by introducing their FIU credentials. If you are a Student but are not registered into the Senior Project class you would not be able to login to the webpage (Figure 2 and 3)
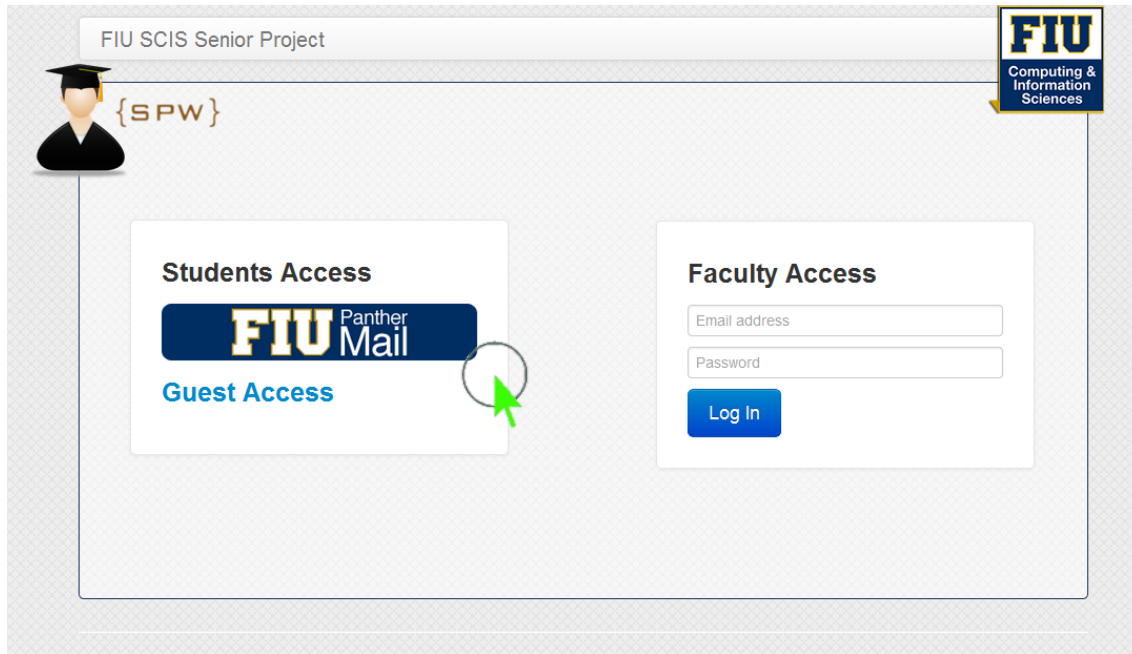
Figure 2. Login process

Figure 3. FIU Login

Step 3. After successfully signed in, the home page is shown with the project suggestions for the student and the current approved projects (Figure 4)

Figure 4. Home page with project suggestions and current approved projects

4.2. Student propose projects

Step1. To propose a project first go to "My Project" page using the link on the navigation bar, next use the "Propose a Project" button. (Figure 5)
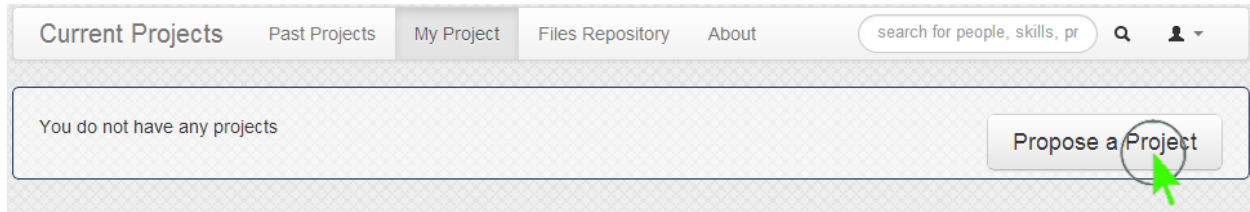

Figure 5. Propose a Project

Step2. To propose a project, you need to enter specific information about the project in the corresponding text fields "Enter the project title", "Enter skills", "Enter a description for the project", and "Enter the maximum project capacity". Next, click on Save Changes. The Student will automatically be assigned as a Team Member to the Project (Figure 6)

Figure 6. Proposing a Project

4.3. Edit project

The Student can Edit the project and Delete the Project while the status is still pending approval by the Head Professor. (Figure 7)

Figure 7. Edit Project

4.4.   Join/Leave a project

The user can Join or Leave a project, either directly from the Home Page or from the Project's Description page. (Figure 8 and 9)
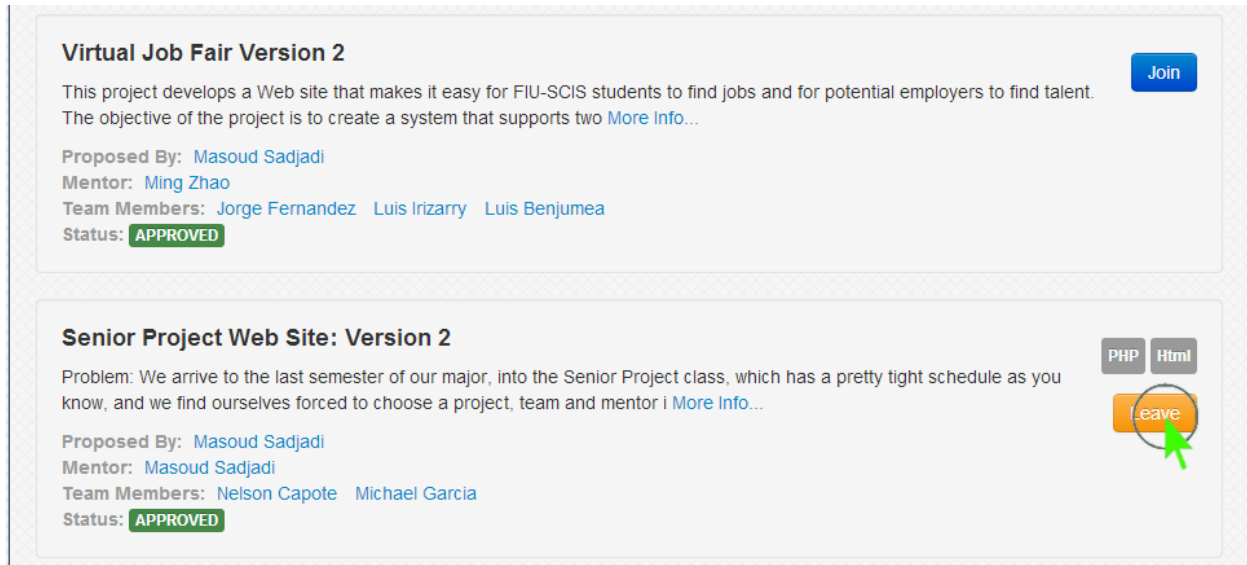

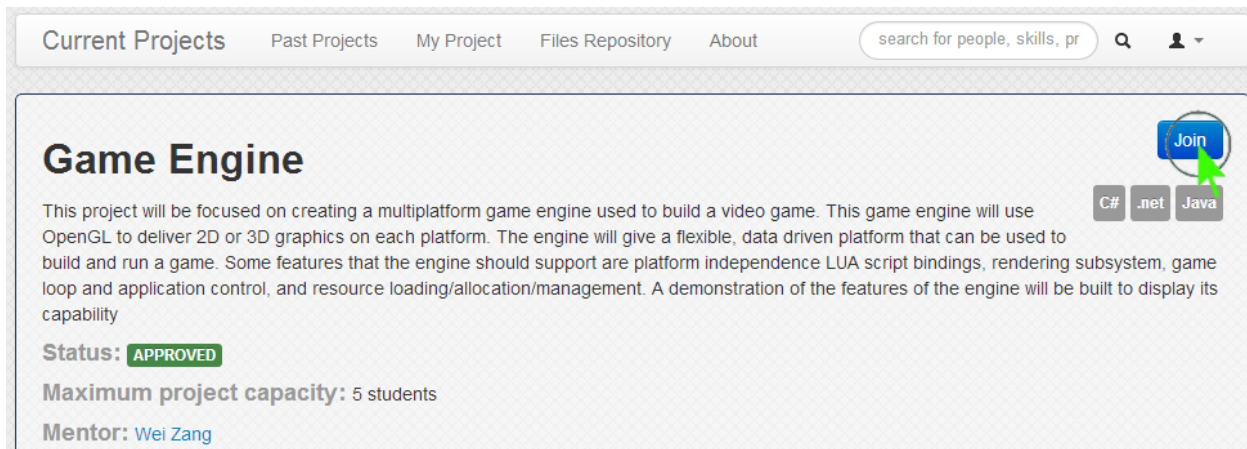**Figure 8. Join/Leave from Home Page**

Figure 9. Join/Leave from Project Description page

4.5.   Edit Student profile

The student can sync his/her profile with Linkedln. Once the profile is synced with Linkedln the student's Picture, Skills, Languages and Experience will be automatically updated with the most recent information that the student have in Linkedln. The student can enter First Name and Last Name in the corresponding text fields; in addition the student can choose to upload a picture from a local storage, and enter a short Bio. Next they can click on Save Changes. (Figure 10)

Figure 10. Edit Student profile