Prospectus

# Team Description

Our team was delegated with the task of building helpful software for GVSU’s Faculty Facilities Planning Advising Committee (FFPAC). This committee reviews over all of the classrooms on campus and receives information about any classroom related complaint. Our software we develop can assist in the process of reviewing classes and bringing all of this information into one central location. Since our team is made up of different people with different skillsets, here are each group member’s strengths along with areas each member would like to improve in.

## Individual Strengths and Weaknesses

### Chad Mersino

#### Strengths

* Develops with C, C++, C#, Java, SQL, Python
* Comfortable with OSX, Windows and Linux

#### Weaknesses

* Want to get more into web development stuff, currently overviewing more HTML, CSS and JavaScript
* Using other software that would assist in executing this project. Mostly know core languages but not other tools to help with extra functionality of the project.

### 

### Chris Schaefer

#### Strengths

* Develops with C, C++, C#, Visual Basic, Java, SQL, HTML, CSS, JavaScript, PHP
* Comfortable with Windows and Linux
* Maintaining applications

#### Weaknesses

* Collaborating with version control software like Git. Hotfixes and merging large enhancements.

### Laura Young

#### Strengths

* Develops with C, C++, Java, SQL, Python, PHP, HTML, CSS
* Comfortable with OSX, Windows, and Linux

#### Weaknesses

* Reviewing information learned from CIS 371 and CIS 353

Despite our differences, we are still able to come together as one effective unit in order to develop this project into something useful. Being able to communicate constantly and giving as much time to work on this project will ensure the greatest chance of success for our class grade as well as the effectiveness of the application.

# 

# 

# Project Description

The overall function of this project is to bring together information for the FFPAC committee that is usually found scattered amongst other individual’s accounts between emails, spreadsheets, and notes. There needs to be a main system to tie in everyone together so they are all on the same page. The information that is collected is not stored in a format that is easy to read or even accessible to others in the committee. What our group has been tasked with is to build a user interface that will allow records to be entered in an easy to comprehend form. This form will be saved into a database that contains many fields to help keep information accessible to everyone in FFPAC.

### Intended Features

* Comfortable front end focused on tablet and desktop usability.
* Form based data entry.
* Reports to view issues, complaints, and enhancement requests.
* Module to view and update room information.

### Anticipated Platform / Tooling

We are anticipating creating a PHP application using Wordpress as a starting framework. For this we will be running a LAMPP stack consisting of Linux, Apache, MariaDB (MySQL database), PHP, and Perl. In addition to PHP we will be creating the markup in HTML5 and using a SASS compiler to generate our CSS for the stylesheets. As with any modern web application we will be using JavaScript and JQuery to handle client side programming.