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Software Development 1
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Project 2: Semester Project

Student Attendance Management System

Background

It has been my experience this past semester that whenever you attend club meetings they take attendance. However, it is often an inefficient system that is in an unorganized spread sheet and takes a long time to fill out. It is then the responsibility of a club member to interpret this data for an email list, priority point consideration, and use the names for attendance at the next meetings.

Proposal

For this project, I would like to make a system that manages attendance. A club will be able to take the information already in their attendance system, load it into my program, and then have club members log that they attended the meeting simply by entering their CWID.

Steps

I would like for this program to have two parts: admin and log. In the admin portion, a user can act in the role of an administrator to load the already available club information and add new students to the club roster so that they can take part in future attendances. In the log portion, students will be free to walk up to an assigned computer, enter their CWID, and have their name added to the club attendance for that day.

Considerations

While there is a lot of work to do for the entire project, I would first like to find a way to successfully import a regular excel spreadsheet because this is most often the system that clubs use now and having the ability to integrate the system already in use would make the whole program more user friendly. After this, it is a matter of coding for the two separate processes of list entry and list management. Following this, I hope to make a way to export the new data back out as either a spreadsheet or as a comprehensive list of those who were at the most recent meeting and those who were not.