

Software Engineering Project

Project Team Whamz

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CSC 4350 Software Engineering: Whamz Topic

For the Fall 2016 Software Engineering course, our group has chosen to create a grade bookkeeping and analysis program. This program tackles a problem that millions of students deal with on a daily basis, at almost every education level.

Most students take more than one class, and more often than not each class's grade structure differs greatly. Some classes put more weight on exams, while others favor assignments. Most schools utilize a program at their institution (such as Georgia State's Desire2Learn) that allows teachers to keep a grade book and allow students to see their grades as the semester progresses. However, these programs are flawed at many levels.

First and foremost, many teachers still keep a paper grade book and just don't utilize these programs. They then return the graded assignments to the student. This is not only a wasted expense on the universities end because they have paid for something that is not being used, but it also creates anxieties for the student as well as more work to calculate the grade on their own.

Next, many teachers are uneducated about how to use these programs properly. This creates false information that is being relayed to the students, along with frustration on some professors because they are forced to adapt to something that goes against the systems they have put in place that work best for them.

The Whamz group has decided to solve this issue very simply, by putting the power in the hands of the student. The program has the ability to be interfaced with instructors if they so desire. Our program will give the ability for the user to create multiple course's while detailing the specific grade weight for each individual course. The user can insert a grade type such as homework, project, quiz, test, exam, etc. The user can add these as the course progresses or initially if the course is organized as such. The program will output a real time grade as this data is inserted. The program has two specific grade options as well. The user can ignore a grade, in the case of dropped the lowest certain grade. The user can also "audit" a grade input. This brings up a slider that allows a student to see what he or she would need to get on a grade input to achieve a certain final grade. As courses often have a disclaimer stating that the course can be altered at any time for any reason, our program allows the flexibility to adapt with these changes as well as apply curves for individual grade types and the entire course.

Our program's ease of use and accessibility will only help to strengthen the education system. Our goal is to detract concern from the logistics surrounding obtaining education in modern society, and focus on the learning itself so students obtain the best knowledge possible to succeed.