CGPA Calculator

The reason I want to do a CGPA Calculator is because It seems like a project that will come in handy as I progress through more years of schooling. Knowing the code and how to manipulate it can allow me to add specific features that I may find useful.

Because this is a beginning outline, I’m certain I’ll be adding more to this list, but here are the requirements that I can foresee.

Requirements:

So my thought about it is to have a menu so the user can see all the options available to them.

Some of those options:

* Access student portal
* View statistics
* …definitely going to add more

I imagine the student portal will be the most important part. I’m thinking I could just make the student portal the whole main project but if I make it one more level away, I could add a statistics menu option that can gather stats on all the students as a whole.

So when someone enters the student portal they’ll be greeted with another menu:

* Select student
* Add student
* Remove student
* … also likely to add more

Selecting student should present a list of the available students with the option to select via a number of ways, like student number, name, number in list etc… There will be an option here to add/remove student as well. (I think it makes sense to save the user from having to go back a menu).

Once a student is selected that’s where they can enter classes, grades on a class by class basis.

I’ll for sure be creating a student class within c++, doing this will allow each student to have the same structure but differing values.

I’ll be expanding on this as the weeks progress, so far this is where I’m at.