Use cases:

1. Professors using website to input grades – **Tyler**

Graphical user interface, text

Description automatically generated with medium confidence

1. Professors identifying outliers / statistics – **Brandon**

The User once on the program would be able to go into their grades to check for a possible outlier to their expected grades and keep a closer track of them to see if there is anyway that they can help improve the class, and/or those struggling students performances.

The User will first have to log on to the program. They then will simply need to go to the grades and input any grades that they have not put in yet with an expected average for the assignment. The program will then flag assignment that are problematic according to that expected average and the average of the students and the class. The User then can filter the problematic assignments and see what exactly people are struggling with so that they can work on planning to try and help the difficulties the class is facing.

Diagram

Description automatically generated

3. Students checking grades – **Ben:**

My assigned use case is students checking their grades. Students will be able to log into the website anytime using their school email address and password. This will load a dashboard view, listing all of the courses that the student is currently taking, as well as their 3 are most recently graded assignments along with the scores. It will also show any assignments that are due soon or overdue, and well as the course score to-date.

If the student clicks on one of the course names, they will get a list of all assignments in that class, both graded and ungraded, along with more detailed information. They will also be able to see notes here that were left by the teacher and there will be a button to dispute a specific grade if they believe it to be incorrect. This flags it for teacher review. There will also be a button next to the instructor’s name to contact them by email.

There will be a small menu always remaining at the top of the website, allowing the student to change settings (such as their password and notification preferences), or log out. The header will also include the school’s logo, which links to the school's main website if clicked.

4. Administrators monitoring professor performance / ensuring adequate usage of the system – **Madison  
Diagram, schematic

Description automatically generated**

In this use case, the Administrator will have various functions within the Gradebook Application.   
Administrators will first log into the Gradebook Application using a username and password. When login has been approved, the administrator will have access to a dashboard. This can show brief, “widget-like” information relating towards general school function.

From there, an administrator can go to a Teacher Performance tab. They will be able to select an Educator from their list of Faculty and pull up general information relating towards their performance. This could include things like list of classes teaching, individual class performance statistics, display of course schedule, and other information relating directly to the Educator.

The Administrator can then go to a Course Performance Tab. There, the administrator can view individual course performance statistics. One topic of discussion that would be important is if Administrators should be allowed to see individual student performance, but for now I think that having just statistics with no names attached might be okay. The Administrator can view information like classroom outliers, assignments with data on number of turned in assignments and number of graded assignments, etc.

Two other ideas I had for this use case involved the use of sending notifications or emails to various individuals. Administrators should be allowed to push school announcements to the Educators, Students, and Parents/Guardians. In addition, if an administrator needs to contact an individual parent for follow up to meet, there should be a feature to do so.

Overall, I think that the most important aspects of the Administrator use case is the ability to review teacher performance as well as individual class performance.

5. Professor looking at single student performance view – **Emily**

**Use Case: Professor views a single student’s grades**

• Primary Actor: Professor

• Scope: The gradebook

• Level: User goal

• Brief: The professor logs in, selects a class, and views a student’s profile.

• Stakeholders:

* Professor
* Student
* Gradebook management

• Postconditions: Student’s grades were accessed.

• Preconditions:

* Professor has an account.
* Professor has an active class.
* Student is in at least one of the professor’s classes.

• Triggers:

* Student’s grades are requested.
* Professor needs to view student’s missing assignments, attendance history, or statistics.

• Basic flow:

1. Log in
2. Navigate to classes page
3. Select student’s class
4. Select student’s profile

• Extensions: No available selections would modify the flow or outcome.