TEAM NAME: RED FLASK

Team Members:

* Narissa Le (ngale203)
* Sarah Wright (saliz19151)
* Aymane Lachhab (aymanelach)

Team Meeting Time(s):

* Tuesday: 4PM – 5PM
* Thursday: 4PM – 5PM

Conduct Policy:

As a member of the team, it is expected that:

* Be at the meeting on time
* Be prepared and ask team members questions if you need clarification about the project
* Be responsible with your work
* Communicate difficulties, reach out to other team members if you need help

Project Proposal (600-800 words):

1. Core concept:

(Assumptions: even though we have Professor’s ID and TA’s ID in our data, we assume that each class will only have one Professor and one TA. The Professor’s ID and the TA’s ID only serving the purpose of log-in and just in case, the school wants to link the data of the Professor or the TA with the school’s database).

Our application targets class management. Specifically, we will create an application that allows Professors, TA, and students to interact with the data (grades, assignments, feedback, etc). The purpose of this application is to manage the performance of the students; at the same time, we want to improve communication across these three roles in the classroom setting. We want Professors to be able to interact with students’ grades and add assignments/feedback. Moreover, TA can access this application to retrieve students’ information. Finally, students can use this application to micro-manage their performance in the class.

When we use Moodle, we realize that it is not a social experience that makes students feel comfortable reaching out to Professors or TA, because there is no section for students to respond to Professors’/TA’s feedback. There is no personalization or customization for every single students, or TA’s, or even Professors. Furthermore, the UI on Moodle is complicated and takes time for everyone to figure it out. Additionally, there is a word limitation for feedback on students’ grade, which takes away the ability to give thoughtful and in-depth feedback.

Our application wants to simplify the class management system for all individuals, does not matter what is the role they are playing. We want to make it easier for Professors and TA in terms of managing assignments and grades for every student. For students, we want to create a straightforward, interactive, and easy to access so that they can have a more comfortable working environment.

1. Data description:

* 1st table contains all the information related to the 3 roles in the class:
* Professor’s name
* Professor’s ID
* Professor’s email (log-in purpose)
* Professor’s password (log-in purpose)
* TA’s name
* TA’s ID
* TA’s email (log-in purpose)
* TA’s password (log-in purpose)
* Students’ name
* Students’ ID
* Students’ email (log-in purpose)
* Students’ password (log-in purpose)

|  |  |  |  |
| --- | --- | --- | --- |
| Name | ID | Email | Password |
| Professor | P-(numbers) |  |  |
| TA | T-(numbers) |  |  |
| Student #1 | S-(numbers) |  |  |
| Student #2 | S-(numbers) |  |  |
| etc | etc |  |  |

* 2nd table contains all the information related to assignments:
* Assignment’s name
* Assignment’s ID

|  |  |
| --- | --- |
| Name | ID |
| Assignment #1 | 001 |
| Assignment #2 | 002 |
| etc | etc |

* 3rd table contains all the information related to students’ grades:
* Assignment’s ID
* Student’s ID
* Grades

|  |  |  |
| --- | --- | --- |
| Assignment’s ID | Student’s ID | Grades |
| 001 | S-(numbers) | 80 |
| 001 | S-(numbers) | 90 |
| 002 | S-(numbers) | 92 |
| etc | etc | etc |

* 4th table contains all the feedback for each assignments of each student:
* Assignment’s ID
* Student’s ID
* Professor’s feedback
* TA’s feedback
* Students’ responses

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Assignment’s ID | Student’s ID | Professor’s feedback | TA’s feedback | Student’s responses |
| 001 | S-(numbers) |  |  |  |
| 001 | S-(numbers) |  |  |  |
| etc | etc |  |  |  |

1. Features to develop:

* For Professors:
* Professors log-in to the database using email (or ID) and password
* Professors can create or delate assignments for the class
* Professors can add or delete or update grades for students to assignments
* Professors can access the database to view each student’s information and performance in the class: they will be able to see all the student’s average grades across all the assignments and also singular grade of a student or for a specific assignment
* Professors can add or update or delete their feedback for each student in each assignment
* For TAs:
* TAs log-in to the database using email (or ID) and password
* TAs can access the database to view each student’s information and performance in the class
* TAs can add or update or delete their feedback for each student in each assignment
* For students:
* Students log-in to the database using email (or ID) and password
* Students can access the database to view their own information and performance in the class: they will be able to see their average grades across all the assignments and also singular grade or for a specific assignment
* Students can add or delete or update their responses to their grades or their Professor’s/TA’s feedback

(677 words)