

Title: BuffGrades

Vision: To show students how well they are doing, and how well they need to do to be successful.

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List of requirements:

o 4 Separate tables for the requirements:

Business Requirements:

ID Number	Requirement	Size
001	No requirements at this time	NULL
002		
003		

User Requirements:

ID Number	Requirement	Size
001	As a user, I want to be able to record the weights of my different assignments	1
002	As a user, I want to be able to my see grades on the assignments I have done	2
003	As a user, I want to see how well I am doing in my course at any time during the semester	2
004	As a user, I want to be able to set a desired grade in the course and see how well I need to do on future tests and assignments to meet it.	3
005	As a user, I want to be able to set future test and homework dates so I can see how long I have until my next midterm or worksheet is due	6
006	As a user, I want to be able to account for grading policies that drop lowest grades or specific assignments.	4
007	As a user, I want BuffGrades to email me to remind me before tests and before assignments are due.	3
008	As a Professor, I want my students to be able to download a file that has the whole course already set up for BuffGrades, so they don't have	5

	to do any of the formatting.	
010		
011		

Functional Requirements:

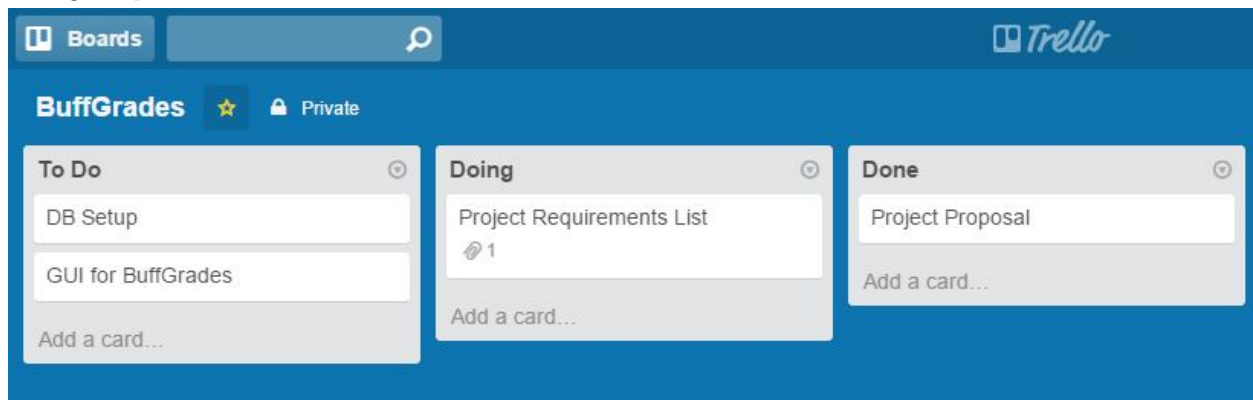
ID Number	Requirement	Size
001	Buffgrades should be able to store a list of customizable assignment categories (homework, tests, projects, etc.) and have the user assign a class weight to each assignment category (e.g. midterms are worth 25% of the total class grade)	4
002	Buffgrades should be able to record an estimate (or exact number) of the number of assignments that will be inputted in a given assignment category (e.g. there will be 2 midterms).	4
003	Buffgrades should be able to calculate the different weights of assignments in different assignment categories (homework, tests, quizzes, etc. etc. etc.)	1
004	Buffgrades should be able to automatically drop assignments out of the total grade calculation (e.g. for times when the professor drops the lowest homework grade(s))	3
005	Buffgrades should be able to drop a specific assignment (for cases where the professor makes an exemption on that assignment).	2
006	Buffgrades should have a GUI to facilitate simple inputting/formatting of the different assignment types	5
007	Buffgrades should be able to calculate a predicted grade for the course based on the weight and scores it currently has.	2
008		
010		

Non-Functional Requirements:

ID Number	Requirement	Size
001	BuffGrades needs a persistent database to store the students data in	4

002	BuffGrades needs a GUI	4
003	BuffGrades should encrypt all grade data with a secure encryption (would just password locking the database be good enough?)	4/1
004	BuffGrades needs the GUI to display the list of courses a student is currently enrolled in for the semester for quick access.	2
005	BuffGrades' GUI needs custom backgrounds	1-10
006		
009		

- o Each requirement must have a unique ID number
- o Written in the Agile format (“As a [user], I want to [do X] so that I [can do Y]”)
- o Each requirement must have a size. You have two options for sizing:
 - § Agile sizing – story points
 - § Time estimate to complete
- All stories should be sized to be completed in less than 8 hours (approximately, and something equivalent to a day or less in Agile story points). If your story is bigger than that, then break it up into smaller stories.
- o [optional] you can add priority (Critical, High, Med, Low, Nice-to-have)
- o [optional] you can add topic/area (e.g., Login, Profile, DB, etc.)
- o [optional] you can add user type (e.g., Admin, end user, potential customer,...)
- **Methodology:** Agile
- **Project Tracking software:** Trello
- **Link to project tracking software:** <https://trello.com/b/TuHg7enw/buffgrades>
- **Project plan:**



- **VCS:** <https://www.github.com/masnes/BufGrades.git>
- Submit a pdf file named: ProjectTitle_Part_2.pdf where ProjectTitle is the name of your project.