**Mortarboard Proposal**

**Proposal**

Title: Mortarboard

Team Members: Sammy Fields, Randall Porter, Joshua Ryal, Jesse Meier, Jing Li, Keenan Piveral-Brooks

Client: Dr. Aziz Fellah

Problem Statement:

* Lecture style classes, specifically those in a college setting, suffer from low student engagement.
* Low lecture engagement can decrease overall student engagement, and can affect student performance and lecture retention.
* If available, teachers could use a program to help increase the engagement of their students during lecture time, as well as gain valuable statistics on learning retention and engagement. That’s what we hope to accomplish.

Vision:

* Web client for both teacher and student, where the teacher sets up a classroom and receives a class code. The students use this class code to interact with the teacher’s questions and discussion topics.
* Should be lightweight and easily accessible/easy to use.

Specification:

* Teachers can create their own questions and push it to the students with various answers available
* Platforms- web client and server
* Expected technologies/languages - JavaScript (JQuery), HTML, CSS

Benefits and Challenges:

* Web application for student/teacher
* State some challenges ahead as you progress
  + Communication between devices
  + Exporting data received by app
* Requirements are pretty well-defined, as we can choose which direction to take this software

Deliverable Artifacts:

* Usable web client for users
* Dedicated server to support it
* Basic documentation

Deadline:

* Trello is used to list available tasks and sort them by completion
* Expected Completion Date: April 25 @ 9:38pm CST

Dependencies:

* Internet connection with a browser
* >=1GB of RAM