Classroom+

-- A Multi-Language Interactive System to Boost Classroom Engagement in Developing Countries

CS 6460 – Intermediate Milestone 2 Report

Augusto Burgos - aburgos@gatech.edu

Fandi Peng - fandi@gatech.edu

1 Milestone Overview

Classroom+ is a multi-language application to use in classrooms so teachers can submit quizzes and questions while they are in the lecture. For this milestone, we completed most features of the application. The demo can be visited from the address: http://www.crplus.net

2 Deliverables

Built upon the first milestone, we made the following updates to the Classroom+ application.

2.1 Teacher Workflow

Once a teacher has logged in, he/she can create a class by inputting *Class Name*, *Students,* and *Comments* for the class, as shown in the figure below.
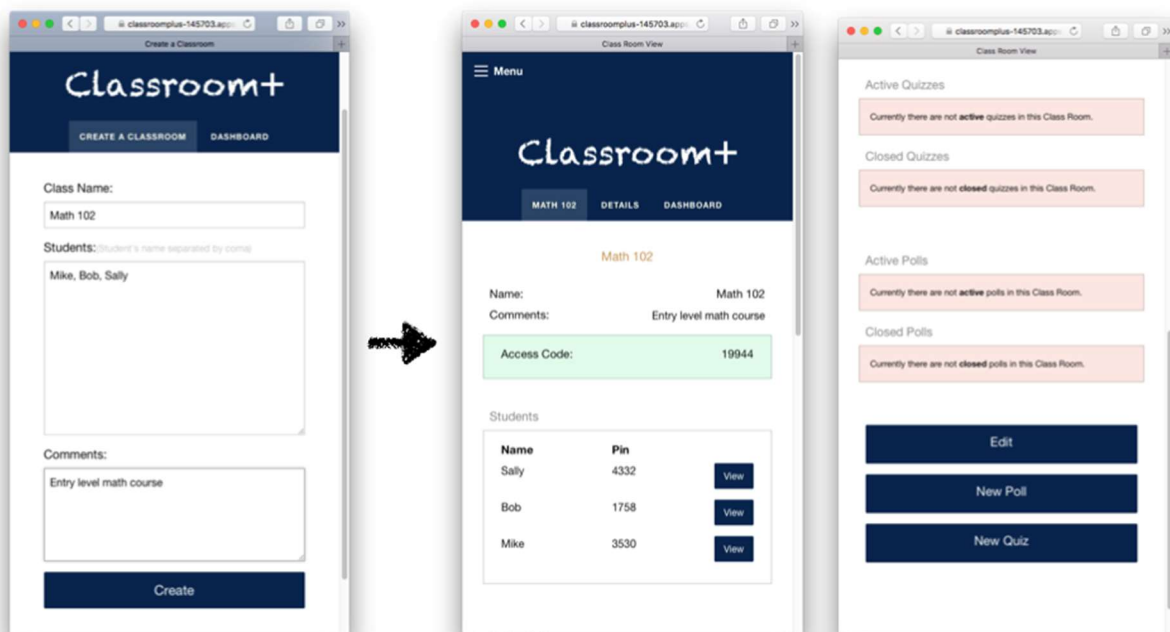

Figure 1: Teacher Creates a Classroom

After a class is created, each added student would be assigned a pin for class access. The teacher can view each student's record for quizzes/polls. Also, one can create new quizzes/polls and push to a classroom, as shown in the figure below.
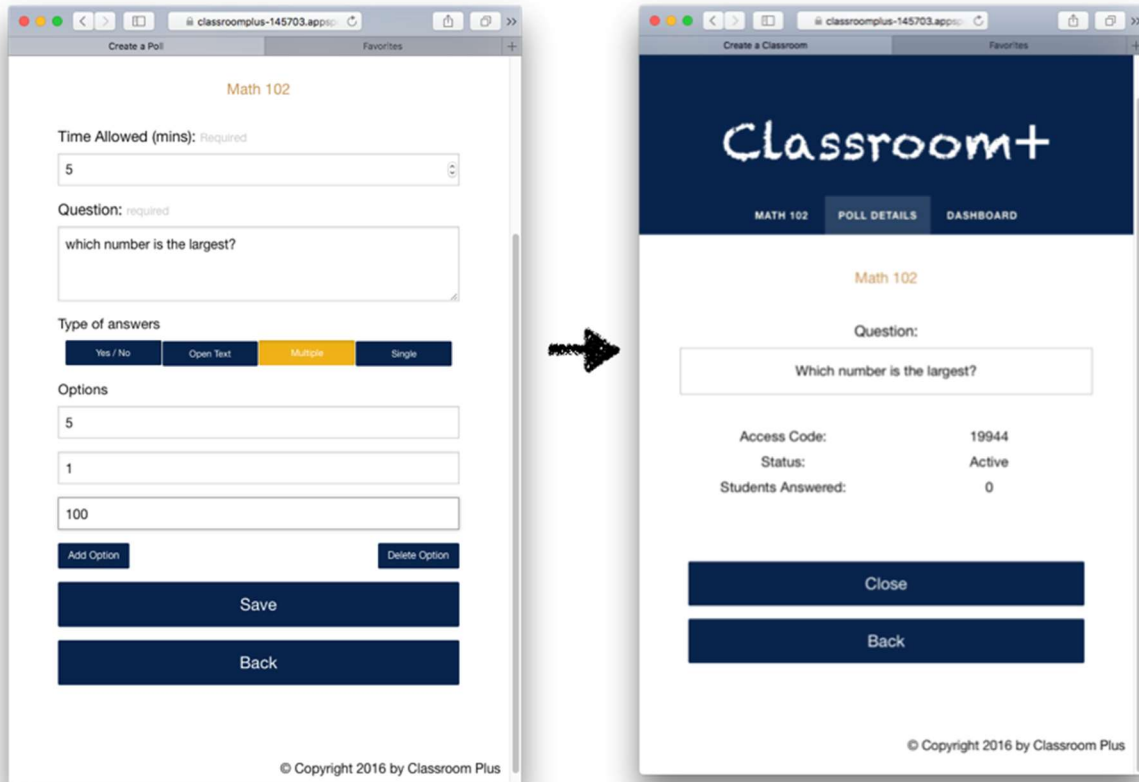
Figure 2: Teacher Creates & Closes a Poll

Allowed time for a question and the type of answer are specified. The status will become active once the poll is saved. The teacher can close a poll after he/she collects all answers from the students.

2.2 Student Workflow

Students can enter a classroom with *Class Access Code* and *Student Pin* assigned by a teacher. A student can check his/her record for past quizzes/polls and answer for currently active questions if there is any.
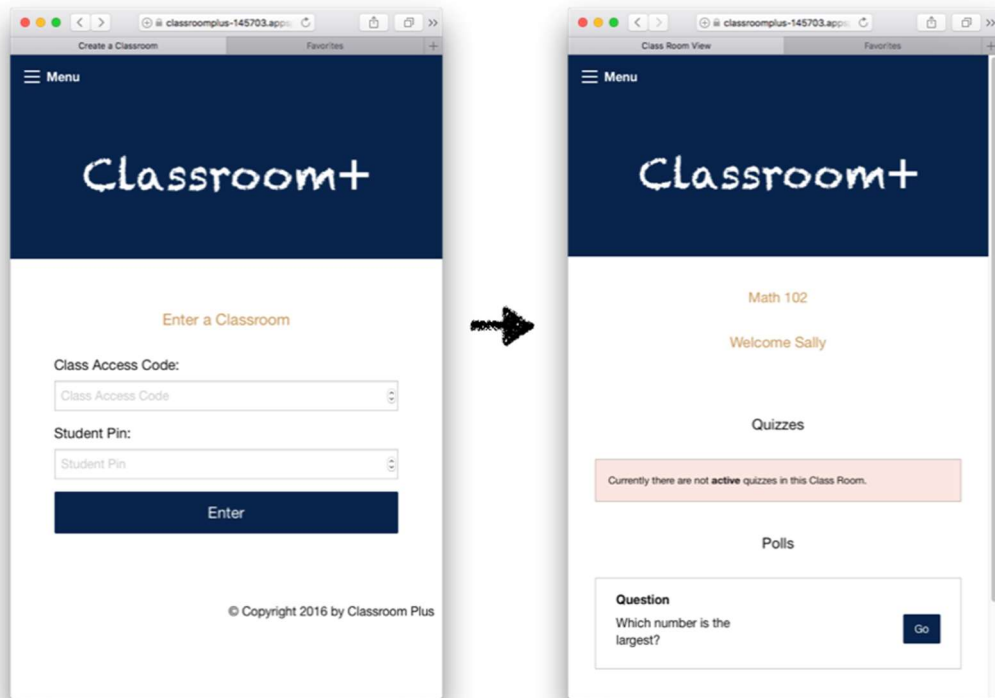
Figure 3: Student Enters a Classroom

Once a student opens an active quiz, the *Time Left* will start counting down. The student needs to submit the answer before the time runs out, as shown in the figure below.
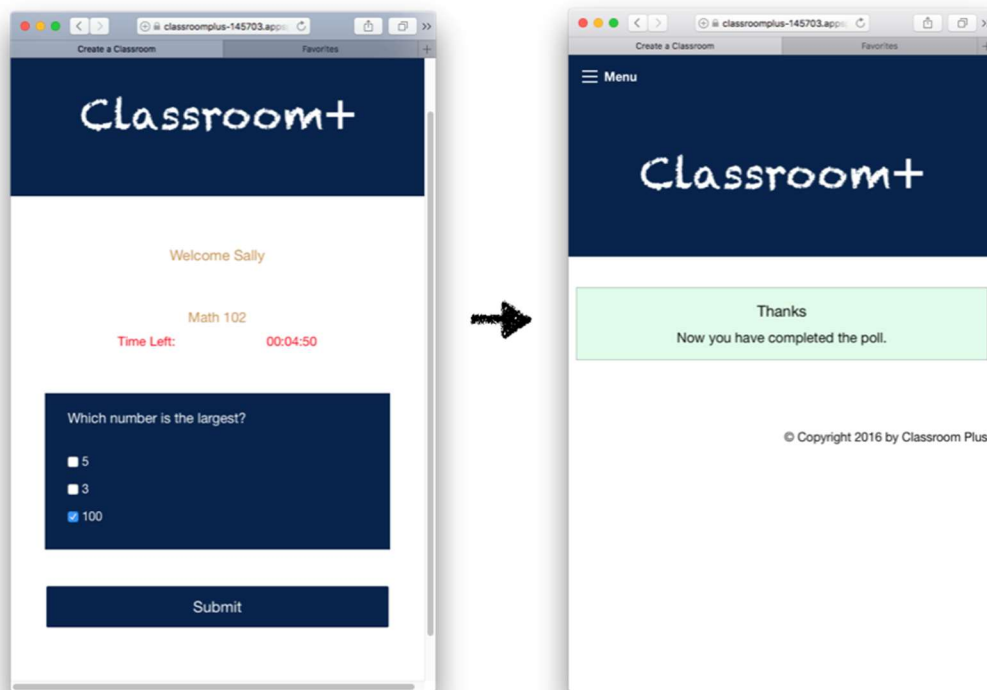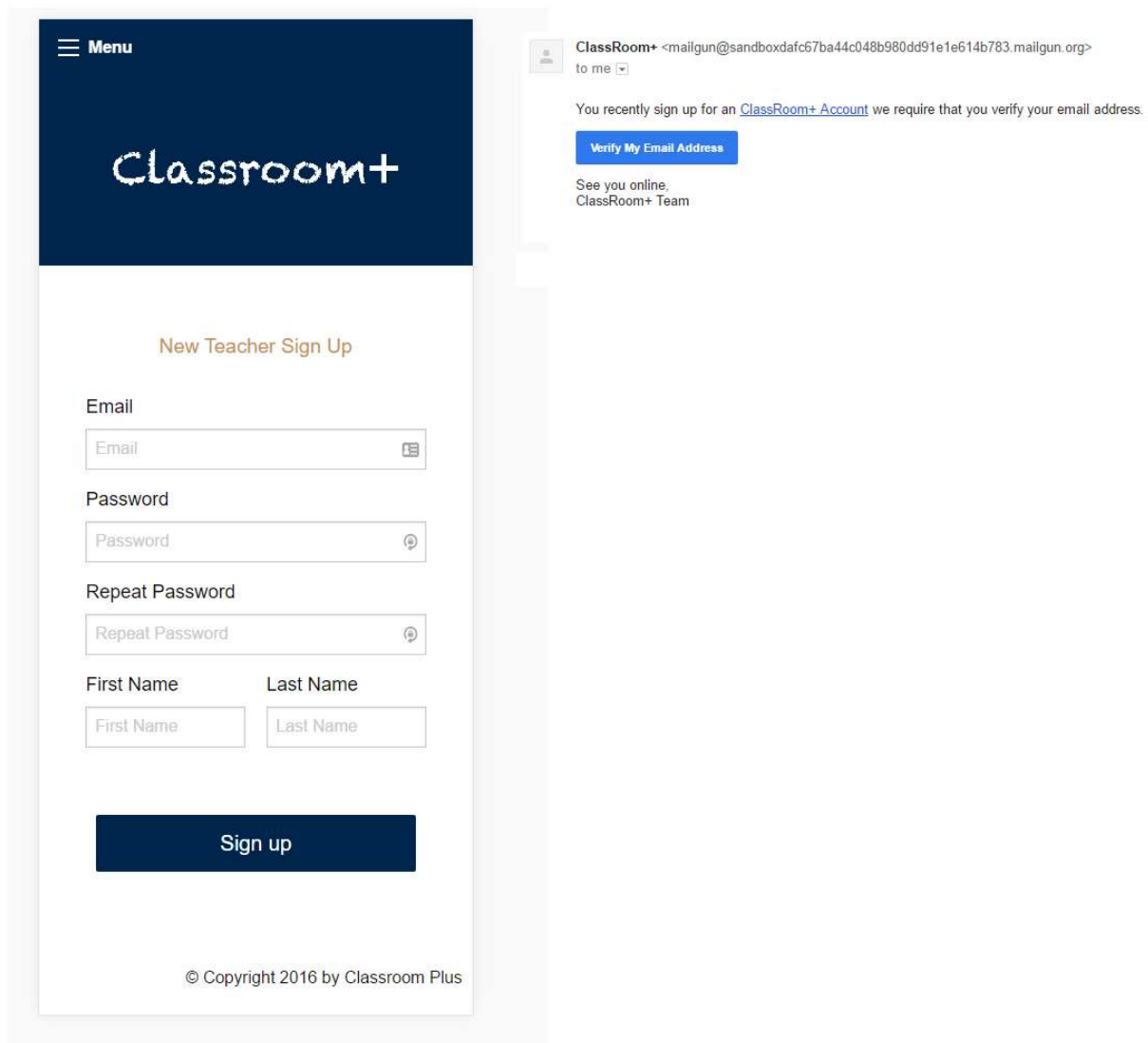

Figure 4: Student Answers a Poll

Figure 5: Teacher Sign Up and Verification Email

3 Final Project

The application will be thoroughly tested and further tuned for the final delivery. A tutorial video going through both teacher and student workflows will be recorded. Finally, we will prepare the project paper in an appropriate format to finalize this semester's work.

4 - Prototype

The current prototype can be found at http://www.crplus.net
You can try to create a teacher, in the case that you have issues getting the verification email, please use the following test account instead:

Teacher Username: **aburgos@gatech.edu**
Teacher Password: **Welc0me1**

Any feedback is appreciated