

Criterion A: Planning

Defining the problem or unanswered question:

Russell Campisi, an Environmental Science teacher at Berkeley High school has his students take part in short group quizzes every monday through thursday. Taking these quizzes results in many hundreds of grades that must be recorded each day to ensure that student performance is tracked. I volunteered my knowledge of the google scripts web app to assist Mr. Campisi in recording these grades into a spreadsheet, as well as allowing students to receive information about the past quizzes that they have taken.

Justification for proposed solution:

This group quiz grade recording system was created inside the google apps script web app service. This was chosen because google apps scripts are allowed to modify and read google spreadsheets, a common universal spreadsheet. The coding language used in a combination of google script and Javascript. Google Script is very similar to javascript, but with functions created to specially work within the google sheets. Javascript was optimal for use in this project because it runs well on almost all machines in the web browser as well as it is the coding language which I am the most familiar with.

Success criteria:

- Students may submit group quizzes and the quiz grade and number will be sent into a spreadsheet
- The teacher will be able to see the spreadsheet and all grades
- Students will be able to see their past grades
- Students will be able to see their grade average
- System will be organized according to student ID number