ENGINEERING, DESIGN AND SOCIETY
COLORADOSCHOOLOFMINES.

Colorado School of Mines

1500 Illinois Street
Golden, Colorado 80402

Colorado School of Mines Oral Presentation Evaluation 2.0

Background

Oral presentations are integral to every program at the Colorado School of Mines. It is important for students to receive constructive peer feedback on both their presentation style and topic content. The feedback must be gathered and distributed to students in compliance with the Family Educational Rights and Privacy Act (FERPA). Much to the dismay of the university, there is not a software suite compliant with FERPA available for use.

Project Description

In CSCI 370 (yes, the course you are taking right now) you will be required to submit peer presentation feedback for three different presentations. You will evaluate the entire team performance as well as provide individual feedback to individual speakers. Per FERPA, the individual feedback can only be distributed to the individual students. In addition, the mode of distribution must be FERPA compliant. This is the 2nd iteration of this project. The basic front and backend structure is defined. A hosting AWS server has been set-up and it is integrated with Mines Multipass. The initial code base needs to be transferred to the AWS server. Both front and backend needs to be polished for functionality and aesthetics. Extensive testing will be required before rolling out to entire campus.

This project entails a secure presentation evaluation platform.
1. Integration with Mines multi-pass
2. Allow administrator/professor to set up students, email and team definition with a CSV file
3. Allow administrator/professor to select presentation evaluation questions from a list or uniquely create assessment questions
4. Allow administrator/professor to define a begin and end date/time for presentation evaluation
5. Allow administrator/professor to archive and access past evaluations for future reference
6. Require students to provide feedback on every team member
7. Allow administrator/professor to selectively prohibit a peer review from being released
8. Create an input portal for students to provide a review
9. Create an input portal for students to access their individual feedback
10. Create a CSV file of all student evaluations for professor
11. Calculate a student grade based upon an administrator/professor defined grading scale

Desired Skill Sets

1. Algorithm development and evaluation
2. Database structures
3. Python, Javascript, React, Django
4. OAuth (shibboleth) to integrate with Mines MultiPass

Preferred Team Size

3-5 students

Location of Work

Mines Campus

Client Liaison

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