

Mines Canvas QuickQuizGrader

Client

- Dr. Jeffrey Paone (jpaone {at} mines [dot] edu)

Project:

Mines currently uses Canvas as its Learning Management System (LMS). Canvas has a number of useful features for course organization, content, and delivery, but it also has some shortcomings. One area that falls into both of the above categories is the Quiz feature within Canvas.

Quizzes are easy to administer from both the instructor and student perspective. However, the quizzes are cumbersome to grade if questions are not True/False or Multiple Choice. As instructors, we could create every quiz to fit those two question types but effective assessment will use a variety of questioning methods. If a question is fill in the blank or free response, then they need to be graded one response at a time. For classes of 300 students, this is a time consuming process that is error prone to manually apply the same rubric across all questions.

We, as instructors, need a web tool that allows us to view all responses to one question at a time. Last Field Session, a team developed a stand alone app that allows quizzes to be graded a single question at a time. This provides a great time savings for the instructor. However, it must be installed locally for every instructor that wishes to use it.

The team for this project will expand an existing application that leverages the Canvas API. The stand alone app needs to be integrated into the Canvas environment which would allow any instructor on campus to use the tool.

Many of the implementation details are flexible, allowing for creativity on the part of the team, but will need to satisfy a set of functional requirements. Additionally, there are opportunities for stretch goals and add-ons as specified by the team.

There is the possibility of publishing the tool to the Canvas Community for external use as well.

Team Size:

- 3-4

Skills:

- Web Programming (HTML / JavaScript / C# / ASP.Net)
- REST API
- OAuth2 Authentication
- LTI

Location:

- Mines Campus