

Canvas Quiz Previewer

Preproject - Ideas and Objectives

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Objectives

- Create a simple software to visualize the canvas quiz
- Required output of the software
 - .txt file for canvas upload
 - .tex file for \LaTeX compilation

Approach - conversions

- host a small GUI using web browser - for edit and preview
- using markdown2 to convert the markdown style questions to html
- using markdown2latex to convert the markdown to latex

Approach - Implementation details

- website will be hosted by individual students
- Python file compiled to a single executable file
- student launch website by double click the executable file
- website hosted on localhost by students

Preliminary Design

Canvas Quiz Previewer

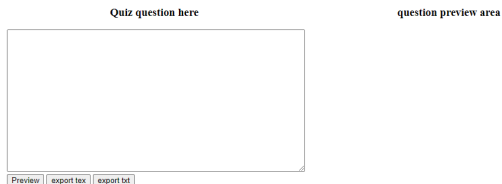


Figure: Preliminary Design

Potential Improvements

Related Chapter Detector

finding the latest chapter of the class that is related to the quiz question

Implementation details

- establish pre-extracted keywords from each chapter
- extract keywords from the question
- come up with a scoring system for matching keywords
- potential opportunity to use Subspace Learning

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