**Minimal Requirements**

1. The user shall be able to write and design a quiz in a plaintext (.txt) format.
   1. The syntax for writing this quiz shall be simple enough such that it is accessible for non-programming people.
   2. The language with which quizzes can be written shall allow for the user to write questions, answers, and feedback.
      1. For a given question, the feedback section shall be optional.
   3. The language with which quizzes can be written shall allow for the user to provide randomly selected variables to be used when presenting the quiz.
      1. A randomly selected variable shall be given a name and a list of random values to choose from.
2. The software shall be able to scan a preset directory for quiz files, and present these files to the user.
   1. The software shall ignore any files in this directory that are not labeled with the extension “.txt.”
   2. The software shall label text files found in the quiz directory with an integer, and present this labeling to the user.
   3. The software shall prompt the user to select a quiz by entering the integer used to label the quiz.
   4. The software shall return to the quiz selection screen upon completion of a quiz.
   5. The software shall return to the quiz selection screen if there is an error while trying to parse the quiz.
   6. The software shall exit if the user enters an integer that is not a valid label for a quiz.
3. The software shall be able to parse a quiz file, and present the quiz to the user.
   1. The software shall be able to parse a quiz file, and store the data of the quiz in memory.
   2. The software shall present the user with descriptive error messages if it encounters an error while parsing the quiz.
   3. The software shall be able to sequentially present the user with questions of the quiz.
   4. The software shall be able to sequentially accept the user’s given answer for each question.
   5. The software shall be able to check a given answer against the correct answer.
   6. The software shall be able to provide the user with feedback regarding whether or not the user’s given answer is correct or not.
      1. This feedback shall be able to be presented in two ways: immediate, and post-quiz.
   7. The software shall be able to provide the user with optional feedback written by the creator of the quiz if the user’s given answer is incorrect.