Project Statement

If you've ever taken a foreign language class, you may have studied for tests by creating flash cards to memorize how a given word in a particular language translates into a different language. For this project, you are to create a vocabulary quiz program that requests the name of a vocabulary file in the current directory, quizzes the user on a subset of the words in the vocabulary file, and then gives the user the option to write out any missed words to a new vocabulary file. While the word lists that we are using are English to Spanish, the program could easily be applied more generally to other languages, giving you a practical replacement to flash cards!

Program Outline

1. Store the contents of the vocabulary file into a class

2. Print the number of English words in the file.

3. Prompt the user for the number of words he or she would like to be quizzed on.

Error check to make sure the number is valid.

4. At the end of the quiz, the user will see all the questions that are answered

Program Requirements

You project will meet the following requirements:

1. You must do some error checking for the project. Specifically, you should check if there are any available word lists in the directory.

2. When the user is asked how many words to be quizzed on, your program should make sure that it is within the possible range of numbers (i.e. between one and the number of English words in the dictionary).

3. Use a English-Spanish dictionary to create the data file.

4. Use class to store the dictionary.

5. The maximum words in the dictionary will be 100.

6. Use class to store student quiz answers

Example Output Note: User input is in bold.

Welcome to the John Doe Vocabulary quiz program.

Please enter your name: John Doe

Maximum available words: 10 words.

How many words would you like to be quizzed on? 3

Quiz Time

Question 1

English word: to study

Enter 1 equivalent Spanish word(s).

Word [1]: estudiar

Correct!

Question 2

English word: to search

Enter 2 equivalent Spanish word(s).

Word [1]: buscar

Word [2]: mirar

Correct!

Question 3

English word: to be

Enter 2 equivalent Spanish word(s).

Word [1]: ser

Word [2]: ???

Incorrect.

Grade Time

Name: John Doe

Grade: 67% (Failed – You have scored below 80%)

Enter an output file: wrong.txt