Title

Write program dictionary.

Background

N/A

Program Specifications

Students are required to write a program called "Simple English - Vietnamese Dictionary" with the following features:

```
    Simple English - Vietnamese Dictionary
1.  Add new word
2.  Delete word
3.  Search word.
4.  Exit.
    Please choose:
```

Users will use the program to add their pairs of English - Vietnamese words to the file on disk storage; search and display the Vietnamese word for inputted English word; or remove some pair of words from existing dictionary.
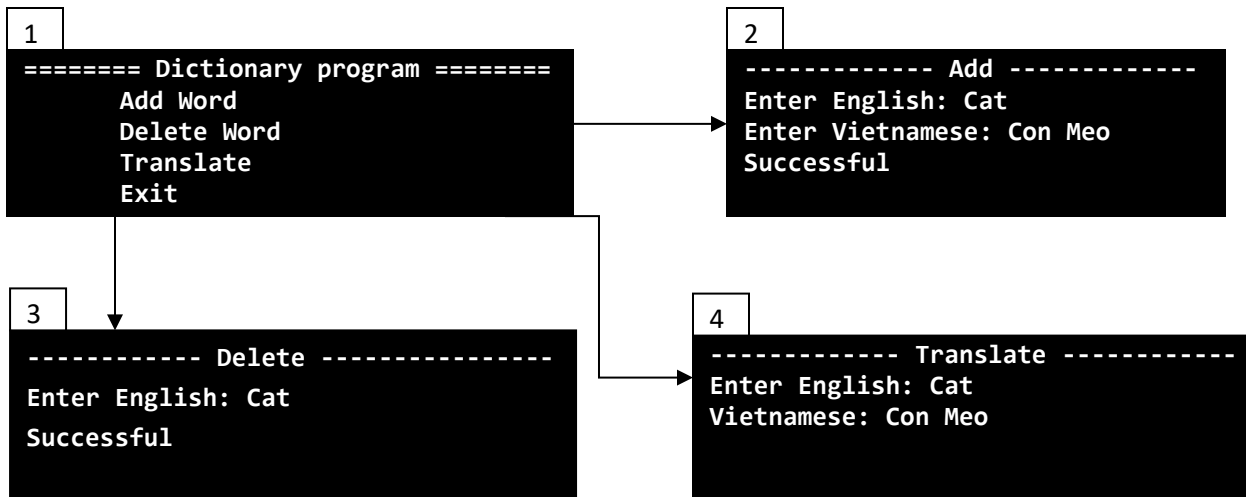
Function details:

Function 1: Display a menu and ask users to select an option.
- Users run the program. The program prompts users to select an option.
- Users select an option, perform **Function 2**.

Function 2: Perform function based on the selected option...
- Option 1: Add word
    o Ask user to enter a pair of English - Vietnamese words
    o Add the pair to a dictionary (file)
    o Return to the main screen.
- Option 2: Delete word
    o Ask user to enter the English word to be removed.
    o Find and remove the related English-Vietnamese pair of words from dictionary
    o Return to the main screen.
- Option 3: Translate word
    o Ask user enter English word
    o Find the related pair and display the approximate Vietnamese word
    o Return to the main screen.
- Option 4: Exit program

Expectation of User interface:

```
1
======== Dictionary program ========
      Add Word
      Delete Word
      Translate
      Exit
```

```
2
------------ Add ------------
Enter English: Cat
Enter Vietnamese: Con Meo
Successful
```

```
3
------------ Delete ----------------
Enter English: Cat
Successful
```

```
4
------------ Translate ------------
Enter English: Cat
Vietnamese: Con Meo
```

Guidelines

Student must implement methods
- addWord
- removeWord
- translate

in startup code.

Suggestion:
- Students use the hash map to store worth a pair Eng - Vi
  - o Every turn on the program from will test has data files or not yet:
  - o If there is then load data files recorded on the type HashMap into program by loadData function ().
  - o If not, initialize HashMap is Empty.
- When adding a keyword to inspect keywords in the dictionary that has not:
  - o If yes, ask the users want to update the mean of keyword.
  - o Otherwise put into hashmap then overwrites the data on file with the methods updateDatabase
- Delete file a keyword:
  - o If you find it to delete and overwrite the file data by methods updateDatabase.
  - o If not found, the notification does not exist in the db key.
- Search word:
  - o If found, displays the value found in db
  - o If not found, display empty.
  - o **Function 1:** Add wordMust install the function: public boolean addWord (String eng, String vi)
    - • Input:
      - ➢ eng: English mean.
      - ➢ vi: Vietnamese mean.
    - • Return value: the status add word
  - o **Function 2:** Delete word. Must install the function public boolean removeWord (String eng)
    - ➢ Input: eng: English word
    - ➢ Return Value: status delete word.
  - o **Function 3:** Search word.
  - o Must install the function: public String translate   (String eng)
    - • Input
      - ➢ eng: English word.
    - • Return Value Vietnamese word