

CRITERION E: EVALUATION

#	Function	INPUT/INSTRUCTIONS	OUTPUT	CHECK
1	Sign Up	Enter Name, username, password and re_password to reconfirm.	If the Name and username are not existing inside the database and the password and re_password are matched, the windows notify sign up successfully will show up. Otherwise, the input will be emptied out for users to input again the information.	MET
2	Log In	Enter the Username and Password into two boxes, then press 'Log In' button	If the username or password is correct, enter the app; Otherwise, the inputted username and password box will be emptied for users to enter again	MET
3	Vocab Quizz generate randomly quizzes	Choosing the number of vocabs for the quiz and the unit; For e.g., 5 vocabs and Unit Greetings. Then press generate	There will be 5 Randoms English words appear in the first column of the table for example: Hello, Good morning, Good afternoon, Nice to meet you, Goodbye. Also, there will be 5 buttons at the last columns of the table appears for entering hand-written.	MET
4	The vocabulary and its definition can be added by students	New words and their definition. For example: こんにちは and its definition: Hello. Then press Add.	The words and the definition will be added into the table on the right side	MET
5	The vocabulary and its definition can be deleted by students	Click on the row of the table that containing the deleted word. For example: こんにちは.	The whole line that contains the word and its definition in the table will be deleted	MET
6	The vocabulary in the list will be displayed	The vocabulary added inside the Vocablist windows. For	These vocabularies will be displayed randomly inside the flashcard window.	MET

	in flashcard window	example: こんにちは, こんにちは、おはよう		
7	Check students' answer automatically	If the timer still has time, press the submit button if finish. If not, no need actions	There will be a window appear showing the score of the students, for example if students have 25 correct quizzes over 30, the window will print out 25/30. There also two tables, one for the correct answer and one for the wrong answers. For the wrong answer, it will show the English, images of students' answer and correct answer. For example, Hello, 'こんにちはみ', こんにちは. For the correct questions, the table will simply show the quiz and the students' answer	MET
8	Vocab is sorted by topic	Choose the unit in the Quizz Windows, for example: Greetings then press Generate	The English words in the first column are related to Greetings for instance: Hello, Goodbye, Nice to meet you	MET
9	The wrong vocabulary answer in the quiz will be added to the vocabulary list	Open the Vocab list	The wrong answers and its definition will appear in the table inside the window	MET
10	The wrong vocab answer quiz can be added into the flash card	Open the flashcard windows	The users will see the Japanese words during the time of doing the flashcards	MET
11	The vocabulary will be deleted if the students know the words in the flashcard	Doing the quizz one more time, with the same topic. And this time, do all the quizz correct. Or Open the flashcard, check the box "I know this word"	The word will disappear from the table of vocabulary list	MET

12	History Windows	Doing quizz. For example: 5 vocabs, Unit: Greetings	The detail of the quizzes. E.g.: "Number of Vocabs": 5, "Date taken: " 20/11/2020, "Unit": Greetings, "Marks": 4	MET
13	Students' Record on Teacher App	Press on the button with the name of students on it. E.g., "Tuan"	There will be a window look like history windows in the student's app, all the records should be the same on the Tuan's students app.	NOT MET

Feedback from client

The program has met most of the success criteria and the requirements that we discussed since first meetings. The user interface is simple and easy to use even without instruction. However, the program could be decorated with more color so it would be more interesting and attractive to the users. The vocabulary quiz, vocabulary list and flashcard windows are all good. However, in the flashcard window, if the word is too long, the window could not display all the word instead just a part of the work so you should fix it in the future. Also, inside the history window, there should be an instruction for user to show them where to click if they want to see the record file as the user just need to click on the cell of containing the quiz. So, the user might not find out about this function. In the teacher app, it is good that all the students who signed up for the program could appears in the students list, however, I cannot see each student's history when click on the buttons. In overall, the app is good and meets all of my requirements except for the showing history of each students inside the teacher app.

Recommendation for future development

The log in system could be improved the through limiting the number of times that users enter wrong password. Either send email to the signed-up users or disable entering the input to log in the system for a specific amount of time.

In the Vocab Quizz windows, the program can only check the input that is written in hiragana, so it will be better if it could check the input that are written in kanji and katakana also.

In the history file, after a while of using the program, the list of history file will become too big and it will be uncomfortable for students and teachers to search entire list to find the record they want. The problem can be solved by creating a search function to help the users find the record through entering the quizzes date taken.

It would be better for users if there is a window showing the diagram of students' performance throughout the time so that they could see if they improve or not.

In the kanji windows, now the users can only check the box to choose the answers that they want, so the program could be improved through providing different types of questions such as matching, writing or finishing the missing strokes of the words. Through this, the users can have more options to learn Japanese.

Word Count: 224