Software Engineering Group Project 20

Test Report

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# SYSTEM TESTS

These tests are based on the system tests found in the Test Specification. [2]

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| **Test Reference** | **Requirement Being Tested** | **Test Content** | **Input** | **Output** | **Pass Criteria** | **Pass or Fail** |
| **GR20-001** | **FR1** | **Check that words shown are arranged alphabetically by their English words.** | **N / A.** | **English words shown in ascending order alphabetically.** | **Correct data displayed.** | **Pass** |
| **GR20-002** | **FR2** | **Selecting the language option should reorder the list to alphabetically show Welsh words over English.** | **Clicking the language button.** | **Welsh words shown in ascending order alphabetically.** | **Correct data displayed.** | **Pass** |
| **GR20-003** | **FR3** | **Typing an English word in the search bar while the list is sorted by English should only show words starting with those letters.** | **Typing “ap”** | **Words displayed should be words starting with the written input. E.g. “Apple”** | **Correct data displayed.** | **Pass** |
| **GR20-004** | **FR3** | **Typing a Welsh word in the search bar while the list is sorted by Welsh should only show words starting with those letters.** | **Typing “af”** | **Words displayed should be words starting with the written input. E.g. “Afal”** | **Correct data displayed.** | **Pass** |
| **GR20-005** | **FR4** | **Highlighted words should all be placed in a practice list.** | **Select word with left click to highlight.** | **Word should be added into the practice list.** | **Word correctly added to practice list.** | **Pass** |
| **GR20-006** | **FR4** | **Words deselected should be removed from the practice list.** | **Select word with left click to remove highlight.** | **Word should be removed from the practice list.** | **Word correctly removed from practice list.** | **Pass** |
| **GR20-007** | **FR5** | **Trying to add a new word to the dictionary without supplying a translation.** | **Add**  **“Apple”**  **[Leave translation field blank.]** | **An error message warning of incorrect input should be shown.** | **System displays input error message.** | **Pass** |
| **GR20-008** | **FR5** | **Trying to add a word that is already in the program.** | **Add**  **“Apple”**  **[Afal]** | **An error message warning of duplicate data attempt should be shown.** | **System displays duplicate data error message.** | **Pass** |
| **GR20-009** | **FR6** | **Welsh words should show whether they are masculine or feminine nouns.** | **Navigate to “Practice List” menu option.** | **Word information is displayed next to each word.** | **Word information matches the data stored within the stored file.** | **Pass** |
| **GR20-010** | **FR7** | **Clicking the “Practice List” menu should show all practice words the user has highlighted.** | **Navigate to “Practise list” menu option.** | **All practice words should be shown in alphabetical order.** | **Practice words shown in alphabetical order.** | **Pass** |
| **GR20-011** | **FR8** | **Flash cards should start on Welsh or English based on which language the dictionary is sorted by on the dictionary page.** | **Navigate to “Flashcard” menu option.** | **Flash cards correctly show Welsh or English word with the correct counterpart word when flipped.** | **Flash card shown to user correctly.** | **Pass** |
| **GR20-012** | **FR9** | **Starting a “6 Meanings” test should show a word followed by six words in the opposite language. (One of which being correct.)** | **Navigate to “Study” menu option.** | **Test word must be shown along with six possible answers (One of which must be correct.)** | **Correct data displayed.** | **Pass** |
| **GR20-013** | **FR9** | **Starting a “Translate” test should show a word followed by a text box where the translated word can be entered by the user.** | **Navigate to “Study” menu option.** | **Test word must be shown along with a text box, where inserting the correct translation must show as correct. Inserting an incorrect translation must show as incorrect.** | **Data shown correctly. Correct prompts shown on pass or failure of the translation.** | **Pass** |
| **GR20-014** | **FR9** | **Starting a “Match The Meaning” test should show four practice list words along with four matching (unordered) meanings. The four meanings can be matched with the words.** | **Navigate to “Study” menu option.** | **Four test words must be shown along with their four jumbled meanings. Matching them correctly must be shown as correct while matching them incorrectly must be shown as incorrect.** | **Data shown correctly, Pass or Fail correctly shown upon the matching of words and meanings.** | **Pass** |
| **GR20-015** | **FR9 (SPECIFICALLY GR20T12)** | **The “Match The Meaning” test option must not be available unless there are at least FOUR words added to the practice list.** | **Navigate to “Study” menu option.** | **The user must be shown an error message if there are less than FOUR words added to the practice list. Otherwise the test will begin.** | **If less than FOUR words are present within the test list. An error message is shown.**  **If FOUR words are present the test will proceed without an error message following test parameters outlines within (GR20T12.)** | **Pass** |
| **GR20-016** | **FR10** | **When the user starts a test, the words loaded should be from the practice list.** | **Navigate to “Study” menu option.** | **Tests only use words that were added to the practice list by the user. And six meanings also pulls from the dictionary for the other 5.** | **Correct data displayed.** | **Pass** |
| **GR20-017** | **FR10** | **With each answer the user gives, a score counter should reflect the number of questions answered along with how many the user has answered correctly.** | **Start one of the tests within the “Study” menu.** | **A score table must be shown. This counter must show the number of questions that have been answered along with the number that the user has entered correctly.** | **Data, correct questions and number of questions shown and counted correctly.** | **Pass** |
| **GR20-018** | **FR10** | **At the conclusion of the test the user should be shown clear feedback of praise if they are correct. Otherwise the feedback should be information on what the correct answer is.** | **Navigate to “Study” and complete tests using both known correct and incorrect answers.** | **Feedback shown at the end of each test must be the correct outcome along with showing the correct assistance feedback if required.** | **Data shown correctly in the feedback prompt.** | **Pass** |
| **GR20-019** | **FR10** | **Selecting the “Study” tab will run 10 random tests with at least one of each type of test as long as there are enough words in the practice list.** | **Navigate to “Study” menu option.** | **10 random tests are run, of which there should be at least one of each type.** | **10 tests are run, of which there should be at least one of each type.** | **Pass** |

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# FAILED TESTS

|  |  |  |
| --- | --- | --- |
| **Test Reference** | **Explanation of why it failed** | **Has it been resolved yet?** |
| **GR20-003** | **Shows all words containing “ap”** | **Yes** |
| **GR20-004** | **Shows all words containing “af”** | **Yes** |
| **GR20-008** | **Adds word to the dictionary even though it is already in the dictionary, it’s not case sensitive.** | **Yes** |
| **GR20-011** | **Flash card shows only English to Welsh translation instead randomizing them.** | **Yes (changed the test spec)** |
| **GR20-015** | **Having 4 words in practise list does not allow the user to start match the meaning test.** | **Yes** |
| **GR20-019** | **Doesn't have random game button** | **Yes (changed the test spec)** |

# REFERENCES

[1] QA Document SE.QA.010 - Producing a final report.

[2] TestSpecGroup20 Test Specification

# DOCUMENT HISTORY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Version* | *CCF No.* | *Date* | *Changes made to document* | *Changed by* |
| 0.1 | N/A | 30/04/20 | Initial Creation | HD, MJ |
| 0.2 | N/A | 03/05/20 | Updated to reflect edits in the test specification document. | HD, MJ |
| 1.1 | #59 #60 #61 #62 #63 #64 #65 #66 | 04/05/20 | Updated document to match changes to the Test Specification following QA review. | HD, MJ |
| 1.2 | #67 #68 #69 #70 | 05/05/20 | Updated document following second QA review. | HD |