Software Engineering Group Projects -

TEST SPECIFICATION

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| Author: | Kassandra Briola [kab71], Izabella Kuziora [izk], Martynas Ivanovas [mai17] |
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Department of Computer Science

Aberystwyth University

Aberystwyth

Ceredigion

SY23 3DB

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# Introduction

## Purpose of this Document

The purpose of this document is to provide a test table which will describe in detail how the test will be carried out.

## Scope

This document specifies how every test will work, by giving them a test reference, describing which requirement is being tested, a test content to explain what the test is about, the input and output of each test and pass criteria.

## Objectives

The main objective is to create a test table which will contain all the necessary tests for the app. This description is known as a test procedure.

# Test specifications

## Start-up

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-001 | FR1 | Dictionary loads up in English as a default | Open the app | Displays a list of English words with their translations | Dictionary loaded in English |
| SE-F-002 | N/A | Checking if the app is saving the content of the user in its current state | Add the word «hell» to the dictionary, close the app, open the app again and search for the recently added word «hell» | Displays the word «hell» with its welsh translation «uffern» | Word displayed correctly |
| SE-F-003 | FR2 | Switching to Welsh dictionary | Press the «CY» button | Displays a list of Welsh words with their translations | Dictionary loaded in Welsh |
| SE-F-004 | FR2 | Switching back to English dictionary | Press the «ENG» button | Displays a list of English words with their translations | Dictionary loaded in English |

## Searching

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-005 | FR3 | Check if the words are getting predicted in English | Press «ENG» button, type «hel» in the searching bar | Displays all words from dictionary starting with «hel» | Words are displayed correctly |
| SE-F-006 | FR3 | Check if the words are getting predicted in Welsh | Press «CY» button, type «hel» in the searching bar | Displays all words from the dictionary starting with «hel» | Words are displayed correctly |
| SE-F-007 | FR3 | Check different types of inputs in English | Press «ENG» button, type «£@#~» in the searching bar | The list of words in the dictionary is empty | Showing the empty list |
| SE-F-008 | FR3 | Check different types of inputs in English | Press «ENG» button, type «123» in the searching bar | The list of words in the dictionary is empty | Showing the empty |
| SE-F-009 | FR3 | Check different types of inputs in Welsh | Press «CY» button, type «£@#~» in the searching bar | The list of words in the dictionary is empty | Showing the empty list |
| SE-F-010 | FR3 | Check different types of inputs in Welsh | Press «CY» button, type «123» in the searching bar | The list of words in the dictionary is empty | Showing the empty list |

## English dictionary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-011 | FR5 | Add a new word to the dictionary | Press «+» button, type in word in English «widow», its translation «weddw» and set type as a verb | Home screen view, «New word added» message displayed, revision list updated with a new word | The word is added successfully to both dictionary and revision list, message displayed correctly |
| SE-F-012 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, type in word in English «widow», leave the translation field blank, set type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-013 | FR5 | Add new word to the dictionary with blank fields | Press «+» button, type in word in English «widow», its translation «weddw», leave word type field blank | «Submit» button greyed out | Button remains not active |
| SE-F-014 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave the field for English word blank, type in welsh translation «weddw» and set word type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-015 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave all fields blank | «Submit» button greyed out | Button remains not active |
| SE-F-016 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, type in word in English «widow», leave the translation field blank, leave word type blank | «Submit» button greyed out | Button remains not active |
| SE-F-017 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave the field for English word blank, leave the field with welsh translation blank and set type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-018 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave the field for English word blank, type in welsh translation «weddw» and set word type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-019 | FR5 | Add the same word to the dictionary twice | Add a new word to the dictionary, try to add the same word once again | « Word’s already in the dictionary» message | Error message displayed |
| SE-F-020 | FR6 | Check if verbs are prefaced by “to” | Type «go» in the searching bar | Displays «to go» | Word displayed correctly |
| SE-F-021 | N/A | Delete newly entered word of dictionary | Press the right mouse button, click «delete» | Removing the word with its translation from the dictionary. Displays updated list. | List displayed correctly. The word is removed. |
| SE-F-022 | N/A | Check if it is case insensitive | Type «Hello» in the searching bar | Display «Hello» | Word is found and displayed correctly |
| SE-F-023 | FR4 | Add a word to your revision list | Double click on the word you want to add | Word is added to the revision list, marked as true in the dictionary | Revision list updated correctly |

## Welsh dictionary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-024 | FR5 | Add a new word to the dictionary | Press «+» button, type in word in Welsh «weddw», its translation «widow» and set type as a verb | Home screen view, «New word added» message displayed, revision list updated with a new word | The word is added successfully to both dictionary and revision list, message displayed correctly |
| SE-F-025 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, type in word «weddw» in Welsh, leave the translation field blank, set word type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-026 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, type in word in Welsh «weddw», its translation «widow», leave word type field blank | «Submit» button greyed out | Button remains not active |
| SE-F-027 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave the field for Welsh word blank, type in English translation «widow» and set type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-028 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave all fields blank | «Submit» button greyed out | Button remains not active |
| SE-F-029 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, type in word in Welsh, leave the translation field blank, leave word type blank | «Submit» button greyed out | Button remains not active |
| SE-F-030 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave the field for Welsh word blank, leave the field with English translation blank and set type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-031 | FR5 | Add a new word to the dictionary with blank fields | Press «+» button, leave the field for Welsh word blank, type in English translation «widow» and set type as a verb | «Submit» button greyed out | Button remains not active |
| SE-F-032 | FR5 | Add the same word to the dictionary twice | Add a new word to the dictionary, try to add the same word once again | Display “The word is already in the dictionary” message | Error message displayed |
| SE-F-033 | N/A | Delete newly entered word of dictionary | Press the right mouse button, click «delete» | Removing the word with its translation from the dictionary. Displays updated list. | List displayed correctly. The word is removed. |
| SE-F-034 | FR4 | Add a word to your revision list | Double click on the word you want to add | Word is added to the revision list, marked as true in the dictionary | Revision list updated correctly |
| SE-F-035 | N/A | Check if it is case insensitive | Type «Helo» in the searching bar | Display «helo» | Word is found and displayed correctly |

## Revision list

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-036 | FR4 | Delete word from the practise list | Double click on the word you want to delete | Word is removed from the practise list | Practise list updated correctly |
| SE-F-037 | FR4 | Delete word from the practise list | Right-click on the word you want to delete, press «delete» | Word is removed from the practise list | Practise list updated correctly |
| SE-F-038 | FR7 | Display list of words from the revision list | Press «Revision List» button | List of words in the practice list displayed | Words displayed correctly |

## Settings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-039 | N/A | Change the size of the font «medium» | Set font as «medium» | The font in the app changed to 18 pixels | Text displayed correctly |
| SE-F-040 | N/A | Change the size of the font «small» | Set font as «small» | The font in the app changed to 12 pixels | Text displayed correctly |
| SE-F-041 | N/A | Change the size of the font «large» | Set font as «large» | The font in the app changed to 28 pixels | Text displayed correctly |
| SE-F-042 | N/A | Change the number of words used in a single quiz | Set number to «10» | The tests taken by the user should present up to 10 words in the quiz | Settings updated correctly |
| SE-F-043 | N/A | Change the number of words used in a single quiz | Set number to «15» | The tests taken by the user should present up to 15 words in the quiz | Settings updated correctly |
| SE-F-044 | N/A | Change the number of words used in a single quiz | Set number to «20» | The tests taken by the user should present up to 20 words in the quiz | Settings updated correctly |
| SE-F-045 | N/A | Change the number of words used in a single quiz | Set number to «25» | The tests taken by the user should present up to 25 words in the quiz | Settings updated correctly |
| SE-F-046 | N/A | Change the number of words used in a single quiz | Set number to «30» | The tests taken by the user should present up to 30 words in the quiz | Settings updated correctly |
| SE-F-047 | N/A | Change the number of words used in a single quiz | Set number to «5» | The tests taken by the user should present up to 5 words in the quiz | Settings updated correctly |
| SE-F-048 | N/A | Change the language that you would like to be quizzed in | Set language as «Welsh» | Quizzes in Welsh | Settings updated correctly |
| SE-F-049 | N/A | Change the language that you would like to be quizzed in | Set language as «English» | Quizzes in English | Settings updated correctly |
| SE-F-050 | N/A | Change the language that you would like to be quizzed in | Set language as «both» | Quizzes in both English and Welsh | Settings updated correctly |

## Revision

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ref | Req being tested | Test Content | Input | Output | Pass Criteria |
| SE-F-051 | FR9 | Check that the system treats correct input as a good answer in the input box | Add the word «hello» to the revision list, run test, enter «helo» in the input box, press «submit» | The score increased by 1, «Well done» message displayed | Message displayed correctly |
| SE-F-052 | FR9 | Check that the input in the box is case insensitive | Add the word «hello» to the revision list, run test, enter «Helo» in the input box, press «submit» | The score increased by 1, «Well done» message displayed | Message displayed correctly |
| SE-F-053 | FR9 | Check that the system treats incorrect input as a wrong answer in the input box | Add the word «hello» to the revision list, run test, enter «heelo» in the input box, press «submit» | The score stays the same**,** «Wrong answer» message displayed | Error message displayed correctly |
| SE-F-054 | FR9 | Check that the system takes the good answer as correct | Add the word «hello» to the revision list, run test, choose «helo» from the options, press «submit» | The score increased by 1, «Well done» message displayed | Message displayed correctly |
| SE-F-055 | FR9 | Check that the system takes the wrong answer as incorrect | Add the word «hello» to the revision list, run test, choose any answer apart from «helo», press «submit» | The score stays the same**,** «Wrong answer» message displayed | Error message displayed correctly |
| SE-F-056 | FR9 | Check that there are six different translations given | Run test, compare the answers | N/A | Six different answers displayed |
| SE-F-057 | FR10 | Check that overall score is correct | Press «Settings», Set number of test in the revision section as 10, give only two correct answers | Score displayed as «2/10» | Feedback displayed correctly |
| SE-F-058 | FR8 | Check if you can check the word’s translation from the flashcard | Add the word «hello» to the revision list, press «Revise», press «Flashcards», press press «Show the translation» | Translation «helo» displayed | Translation displayed correctly |

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DOCUMENT HISTORY

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