**STC 19 - Users can sort the words in their Word book by date when they are added.**

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| **Test Description** | This test case is a system testing for URS-19. Users can sort the words in their Word book by date when they are added. |
| **Prerequisite** | 1. The service to sort words in Word book by date when they are added is available.  2. The system is on running status, and is on the interface which displays words from Word book. |
| **Input Required** | 1. Selection of service to sort words in Word book  2. Selection of users to sort words by date when they are added |
| **Test Steps** | 1. Users select the service to sort words in Word book.  2. System shall provide the service for users to sort the words in their Word book.  3. Users select to sort the words in Word book by date when they are added.  4. System shall retrieve all the word data in their own Word book from database.  5. System shall sort all the words data from database by date they are added.  6. System shall provide the user interface to display a list of the sorted words by date. Dates are sorted from the latest to the earliest. |
| **Tested Date** |  |
| **Tested By** |  |

**Test cases**

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| **Test Case ID** | **Description** | **Input** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 19.1 | Users select the service to sort words in Word book. | Selection of service to sort words in Word book | System shall provide the service for users to sort the words in their Word book. |  |  |
| System shall provide the user interface to show prompt message. “No word in your Word book. You can add whatever you like.” |  |  |
| 19.2 | Users select to sort the words in Word book by date when they are added. | Selection of users to sort words by date when they are added | System shall provide the user interface to display a list of the sorted words by date. Dates are sorted from the latest to the earliest. |  |  |

**STC 20 - Users can sort the words in their Word book alphabetically.**

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| **Test Description** | This test case is a system testing for URS-20. Users can sort the words in their Word book alphabetically. |
| **Prerequisite** | 1. The service to sort words in Word book alphabetically is available.  2. The system is on running status, and is on the interface which displays words from Word book. |
| **Input Required** | 1. Selection of service to sort words in Word book  2. Selection of users to sort the words in Word book alphabetically |
| **Test Steps** | 1. Users select the service to sort words in Word book.  2. System shall provide the service for users to sort the words in their Word book.  3. Users select to sort the words in Word book alphabetically.  4. System shall retrieve all the word data in their own Word book from database.  5. System shall sort all the word data from database alphabetically.  6. System shall provide the user interface to display a list of the sorted words. |
| **Tested Date** |  |
| **Tested By** |  |

**Test cases**

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| **Test Case ID** | **Description** | **Input** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 20.1 | Users select the service to sort words in Word book. | Selection of service to sort words in Word book | System shall provide the service for users to sort the words in their Word book. |  |  |
| System shall provide the user interface to show prompt message. “No word in your Word book. You can add whatever you like.” |  |  |
| 20.2 | Users select to sort the words in Word book alphabetically. | Selection of users to sort the words in Word book alphabetically | System shall provide the user interface to display a list of the sorted words. |  |  |

**STC 21 -** Users can search Chinese words in the Word book by their meaning in English.

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| **Test Description** | This test case is a system testing for URS-21. Users can search Chinese words in the Word book by their meaning in English. |
| **Prerequisite** | 1. The service to search Chinese words in Word book is available.  2. The system is on running status, and has opened Word book already. |
| **Input Required** | 1. Selection of service to search Chinese words in Word book  2. English meaning provided by users for Chinese word searching |
| **Test Steps** | 1. Users select the service to search Chinese words in Word book by their meaning in English.  2. System shall provide the service for users to search Chinese words in the Word book by their meaning in English.  3. System shall provide the user interface to receive the English meaning inputted by users.  4. Users provide the English meaning for searching Chinese word(s).  5. System retrieve the data of the word(s) from database by the English meaning.  6. System shall provide the user interface to display a (list of) related word(s). |
| **Tested Date** |  |
| **Tested By** |  |

**Test cases**

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| **Test Case ID** | **Description** | **Input** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 21.1 | Users select the service to search Chinese words in Word book by their meaning in English. | Selection of service to search Chinese words in Word book | System shall provide the user interface to receive the English meaning inputted by users. |  |  |
| 21.2 | Users provide the English meaning for searching Chinese word(s). | English meaning provided by users for Chinese word searching | System shall provide the user interface to display a (list of) related word(s). |  |  |
| System shall provide the user interface to display the error message. “No word found related to the meaning.” |  |  |

**STC 22 - Users can select Text-To-Speech to get the pronunciation of a Chinese word in their Word book.**

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| **Test Description** | This test case is a system testing for URS-22. Users can select Text-To-Speech to get the pronunciation of a Chinese word in their Word book. |
| **Prerequisite** | 1. The service to get the pronunciation of a Chinese word in Word book is available.  2. The system is on running status, and is on the interface which displays a Chinese word from Word book. |
| **Input Required** | 1. Selection of service to get the pronunciation of a Chinese word in Word book  2. Selection of users to request for the pronunciation of the selected Chinese word |
| **Test Steps** | 1. Users select the service to get the pronunciation of a Chinese word in Word book.  2. System shall provide the service for users to request for the proper pronunciation of a Chinese word in their Word book.  3. Users request for the pronunciation of the selected Chinese word.  4. System shall send the selected Chinese word to Microsoft Translator API.  5. Microsoft Translator API shall retrieve the pronunciation data of the word.  6. Microsoft Translator API shall send the pronunciation data to system.  7. System shall receive the pronunciation of the selected word in Chinese.  8. System shall provide the service for users to get the proper Chinese pronunciation of the selected word. |
| **Tested Date** |  |
| **Tested By** |  |

**Test cases**

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| **Test Case ID** | **Description** | **Input** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 22.1 | Users select the service to get the pronunciation of a Chinese word in Word book. | Selection of service to get the pronunciation of a Chinese word in Word book | System shall provide the service for users to request for the proper pronunciation of a Chinese word in their Word book. |  |  |
| 22.2 | Users request for the pronunciation of the selected Chinese word. | Selection of users to request for the pronunciation of the selected Chinese word | System shall provide the service for users to get the proper Chinese pronunciation of the selected word. |  |  |
| System shall provide the user interface to display the error message. “No internet access.” |  |  |
| System shall provide the user interface to display the error message. “Cannot find the pronunciation of this word.” |  |  |