# **Black Box Test Plan**

For the Black-Box Testing, we will use the babyShark.txt file:

Baby shark do do do do do do  
baby shark do do do do do do  
baby shark do do do do do do  
baby shark

To start the program, run WordCloudUI.java

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| --- | --- | --- | --- |
| Test ID | Description | Expected Results | Actual Results |
| testLoadBabySharkFile  (ECP - loading words from file) | **Preconditions:**   * WordCloudUI has been loaded successfully. * The software prompts the user to specify the input files.   **Steps:**   1. Enter “babyshark.txt”   \*The software loads the appropriate file information\*  2. Type “q” to quit software  3. Click Enter | The software closes, and the input files remain unedited. | The software closes, and the input files remain unedited. |
| testFrequencyOfThreeWords  (BVA - trying to retrieve max number of words | **Preconditions:**   * WordCloudUI has been loaded successfully. * The software prompts the user to specify the input files.   **Steps:**  1. Enter “babyShark.txt”  \*The software loads the appropriate file information\*  2. Click “g”, “(G)enerate report of most frequent words”  3. Type “3”  4. Click Enter | MostFrequentWords[  do - 18  baby - 4  shark - 4  ] | MostFrequentWords[  do - 18  baby - 4  shark - 4  ] |
| testFrequencyOfNegativeWords  (DT- trying to retrieve negative number of words) | **Preconditions:**   * WordCloudUI has been loaded successfully. * The software prompts the user to specify the input files.   **Steps:**   1. Enter “babyshark.txt”   \*The software loads the appropriate file information\*  2. Click “g”, “(G)enerate report of most frequent words”  3. Click Enter  4. Type “-1”  4. Click Enter | MostFrequentWords[  Number of words must be greater than 0.  ] | MostFrequentWords[  Number of words must be greater than 0.  ] |
| testFilterWordNotInFile | **Preconditions:**   * WordCloudUI has been loaded successfully. * The software prompts the user to specify the input files.   **Steps:**  1.Enter “babyShark.txt”  \*The software loads the appropriate file information\*  2. Click “f”, “Frequency of a word”  3. Click Enter  4. Type “the”  5. Click Enter | The word (the) is contained in the text 0 times. | The word (the) is contained in the text 0 times. |
| testInvalidFile | **Preconditions:**   * WordCloudUI has been loaded successfully. * The software prompts the user to specify the input files.   **Steps:**   1. Type “invalid.txt” 2. Click Enter | \*The software re-prompts the user to specify a new file\* | \*The software re-prompts the user to specify a new file\* |