

# BLACK BOX TEST PLAN

These are the black-box test cases which will be utilized to test the functionality of the SpellChecker application. It should be noted that the SpellCheckerGUI must be closed and reopened in between each test case. For these black-box test cases, we will be using two test input files, **input-1.txt** and **input-2.txt**, which contain the following text:

- **input-1.txt**
  - reciever
- **input-2.txt**
  - bakeer

Additionally, two test dictionary files, **tiny-dictionary-1.txt** and **tiny-dictionary-2.txt**, will be required to complete the black box test plan. The contents of these files are listed below:

- **tiny-dictionary-1.txt**
  - bake receive

Test ID	Description	Expected Results	Actual Results
<b>readingInvalidFile (DT - trying to read a non-existent file)</b>	<p>Preconditions:</p> <ul style="list-style-type: none"><li>• SpellCheckerGUI has been loaded successfully</li><li>• missing-input.txt does not exist</li></ul> <p>Steps:</p> <ol style="list-style-type: none"><li>1. Click "Spell-check File"</li><li>2. Enter "missing-input.txt" and click Open</li><li>3. Quit</li></ol>	<p>Pop-Up displays: "&lt;Path to file for your OS&gt;/missing-input.txt (The system cannot find the file specified)</p>	

<b>checkValidFile</b> <b>(ECP - detecting a valid spelling error from a file)</b>	<p>Preconditions:</p> <ul style="list-style-type: none"> <li>● SpellCheckerGUI has been loaded successfully</li> <li>● input-1.txt exists</li> </ul> <p>Steps:</p> <ol style="list-style-type: none"> <li>1. Click "Spell-check File"</li> <li>2. Enter "input.txt" and click Open</li> <li>3. Quit</li> </ol>	<p>There is no error reported.</p> <p>Output text field contains:</p> <p>"Words in dictionary: 2  Words to be spell-checked: 1  Words misspelled: 1  reciever  Total probes used: 3  Total lookUp operations: 3  Average probes per word: 3  Average probes per lookUp: 1"</p>	
<b>checkFalsePositive</b> <b>(BVA - providing a word that will return as a false positive)</b>	<p>Preconditions:</p> <ul style="list-style-type: none"> <li>● SpellCheckerGUI has been loaded successfully</li> <li>● input-2.txt exists</li> </ul> <p>Steps:</p> <ol style="list-style-type: none"> <li>1. Click " Spell-check File"</li> <li>2. Enter "input-2.txt" and click Open</li> <li>3. Quit</li> </ol>	<p>There is no error reported.</p> <p>Output text field contains:</p> <p>"Words in dictionary: 2  Words to be spell-checked: 1  Words misspelled: 0  Total probes used: 2  Total lookUp operations: 2  Average probes per word: 2  Average probes per lookUp: 1"</p>	