Sample Document: Hello world! My name is Alice and I have 1 dog named Jasper. Jasper loves running around.

## **Test Cases**

| Test # | Input  | <b>Expected Output</b>  | Actual Output  | Reason   |
|--------|--|---|--|--|
| 1      | String replacing: Jasper<br>String replacing with:<br>Clover | Replaced Jasper with Clover 2 times.  Document: Hello world! My name is Alice and I currently own 1 dog named Clover. Clover loves running around.  | Replaced Jasper with Clover 2 times.  Document: Hello world! My name is Alice and I currently own 1 dog named Clover. Clover loves running around. | This is just to test to see if the program replaces the right word with the word passed in.  |
| 2      | String replacing:  | Enter the string to replace:  | Enter the string to replace:   | This is to see if the  |
|        | Thanks String replacing with: Sincerely                      | Prints out a dot on a new line N-times until child is killed. Once child is killed from separate terminal, prompts user for string to replace and string to replace with.)  Document: Hello world! My name is Alice and I have 1 dog named Jasper. Jasper loves running around.  Enter the string to replace: |  | child program will continuously print a dot on a new line when it cannot find the word to replace inside of the document. Then when the child is killed the parent process should not be killed and should prompt the user for the next string to enter. |
| 3      | String replacing: !wq  | Good bye.   | Good bye.  | Test to see if the parent process  |

|   |   |  |  | terminates upon receiving the string: !wq                  |
|---|---|--|--|--|
| 4 | String replacing: 1<br>String replace with: one             | Replaced 1 with one 1 times.                                 | Replaced 1 with one 1 times.                                 | Test to see if string replacement works for numbers.       |
|   |   | Document: Hello world! My name is Alice and I have one       | Document: Hello world! My name is Alice and I have one dog   | numbers.   |
|   |   | dog named Jasper. Jasper loves running around.               | named Jasper. Jasper loves running around.                   |  |
|   |   | Enter the string to replace:                                 | Enter the string to replace:                                 |  |
| 5 | String replacing: world<br>String replace with:<br>universe | Replaced world with universe 1 times.                        | Replaced world with universe 1 times.                        | Test to see if replacing strings next to punctuation still |
|   |   | Document: Hello universe! My                                 | Document: Hello universe! My                                 | works.   |
|   |   | name is Alice and I have 1 dog                               | name is Alice and I have 1 dog                               |  |
|   |   | named Jasper. Jasper loves running around.                   | named Jasper. Jasper loves running around.                   |  |
|   |   | Tulling around.  | running around.  |  |
|   |   | Enter the string to replace:                                 | Enter the string to replace:                                 |  |
| 6 | String replacing: !   | Replaced! with . 1 times.                                    | Replaced! with . 1 times.                                    | Test to see if it can                                      |
|   | String replace with: .                                      |  |  | replace punctuation  |
|   |   | Document: Hello world. My                                    | Document: Hello world. My                                    | with another   |
|   |   | name is Alice and I have 1 dog<br>named Jasper. Jasper loves | name is Alice and I have 1 dog<br>named Jasper. Jasper loves | punctuation.   |
|   |   | running around.  | running around.  |  |
|   |   |  | Turning with our and   |  |
|   |   | Enter the string to replace:                                 | Enter the string to replace:                                 |  |
| 7 | String replacing: Hello                                     | Replaced Hello world! with                                   | Replaced Hello world! with                                   | Test if the program  |
|   | world!  | What's up? 1 times.  | What's up? 1 times.  | can replace multiple                                       |
|   | String replace with:  | Do over onto What!   | Do come out t What's 2 Mar                                   | words with multiple  |
|   | What's up?  | Document: What's up? My name is Alice and I have 1 dog named | Document: What's up? My name is Alice and I have 1 dog named | words.   |
|   |   | is Affect and I have I dog haffled                           | is Affect and I have I dog hanned                            |  |

|   |   | Jasper. Jasper loves running around.   | Jasper. Jasper loves running around.   |  |
|---|---|--|--|--|
| 0 | G.: W.II  | Enter the string to replace:   | Enter the string to replace:   | T  |
| 8 | String replacing: Hello world String replace with: Hi           | Replaced Hello world with Hi 1 times.  | Replaced Hello world with Hi 1 times.  | Test if the program can replace multiple words with one word |
|   |   | Document: Hi! My name is Alice and I have 1 dog named Jasper. Jasper loves running     | Document: Hi! My name is Alice and I have 1 dog named Jasper. Jasper loves running around.   |  |
|   |   | around.  | Enter the string to replace:   |  |
|   |   | Enter the string to replace:   |  |  |
| 9 | String replacing: have<br>String replace with:<br>currently own | Replaced have with currently own 1 times.  | Replaced have with currently own 1 times.  | Test if the program can replace one word with multiple words |
|   |   | Document: Hello world! My name is Alice and I currently own 1 dog named Jasper. Jasper | Document: Hello world! My name is Alice and I currently own 1 dog named Jasper. Jasper loves | -  |
|   |   | loves running around.  | running around.  |  |
|   |   | Enter the string to replace:   | Enter the string to replace:   |  |