Testing

Test	Expected outcome	Actual outcome
Test that the exit functionality of the window works	Window should close once the exit top right has been clicked	Outcome was as expected, window closed.
Test that both the browse files buttons work	Clicking either of the browse files buttons should open up the PC library and allow the user to enter a file	Outcome was as expected and the user was given the library to browse for a file by click both buttons.
Test ranked frequency decryption using standard cipher file and frequency file	"output.txt" file to be made with text of the same structure as cipher file with substituted letters where applicable	As expected, although text is not in fully English plaintext, much of the words have now become clearer, i.e. Sherlock Homes. Therefore, this method on its own was not successful in fully decrypting the whole file
Test nearest frequency decryption using standard cipher file and frequency file	"output.txt" file to be overwritten as new file with substituted letters where applicable	Most recent test did not compile however from tests while in the process of creating the program I found that although this method was slightly better than the other for this example file, I found that many letters were substituted to the same plaintext as they had nearest frequency to the same letter, this is an issue with this method.
Test either decryption method by only entering one or zero files.	A "file not found" error message should pop up prompting the user to add two files	The result when tested was as expected.
Test by entering a non-text file to decrypt.	A "IO Exception" error message should pop up prompting the user to add valid files	Error message did not pop up but instead the program crashed, this is an issue with my code that I will investigate.
Test ranked frequency using own frequency of letters list	Same process should take place using my own list of frequencies and so should	Test was as expected, a more decrypted message was outputted as it was

	show more decrypted text in cipher.txt	decrypted using false letter frequencies.
Test the decryption using own cipher file	Using a smaller simple message, this should be easier to decipher using ranked frequency decryption.	Outcome as expected, deciphered message was written to “output.txt”.
Test the decryption using an empty cipher file	No decryption should take place and program should write nothing to the output file	Outcome as expected.