User Error Handling

Exception	Solution
Selected wrong COM	Check if user started recording, if no audio detected, prompt user to check COM
0s Recording time	If time = 0, ask the user if they are sure they want to record 0's of audio
Button spamming	Set a wait time between same button clicks to ensure no overload
File Location incorrect	If the file location cannot be found, suggest the user update or change location
Other file path issues	Check for common file-related issues like missing files, file format mismatches or permission issues and prompt the user on how to resolve it
Decryption Error	Received message does not decrypt. Maybe request a re-send, or try to use parity bytes to detect and fix any swapped bits
Buffer Overflow	If the user enters a message or records a message that is longer than the buffer the program will alert the user to the possible loss of data if they use that message
Special Characters	Check if a user entered special characters and if they did, prompt them to enter a new message
Save/Exit	If a user abruptly closes the program ask if they want to save the outgoing audio before initiating program close