**Intro:**

This project will be a cipher program written in C# with the ability to both encrypt and decrypt user provided inputs via an input box or a text file and allows the user to export the results to a text file by the end of March for my senior project as an opportunity to learn about and explore a variety of ciphers and the algorithms behind them.

**Background:**

Cryptography is a fundamental part of peoples’ lives today. It is an integral piece of everything from how web browsers transmit data securely to how passwords are stored in databases to securely transmitting messages. This project will allow users to encrypt messages of their own using a selected cipher.

**Strategy:**