# Design Specifications

## User Considerations

### Interface Design

Functions such as encrypting and decrypting files should be easily accessible.

Information that should be displayed and easily available about the files

* File Name – The decrypted name of the file.
* Status – Wether the file is encrypted or decrypted
* Size – The size of the file
* Path – Where the file is stored on the disk
* Date Modified – The last time the file was changed.

Features:

* Icons for buttons
* Key shortcuts
* System tray icon

### Social and Ethical Issues

The only thing the program should do with the files is encrypt and decrypt them. It should not share any contents of the files the user is trying to protect. This program only encrypts files and protects the real contents from being read by a third party without the required key. However it is still possible for the files to be deleted or stolen.

Any saved information should also be encrypted and only accessible with the correct password. Password salted hashes should be stored.

The program should handle the files safely – that is they should not be corrupted.

If the user loses or forgets the password files cannot be decrypted.

## Environmental Considerations

### Software

.NET Framework will be needed for the program to run.

## Developer Considerations

### Modules

### Data Structures

### Storage

## List of Algorithms