## User Considerations

### Interface Design

Information displayed about the files:

* File Name – The decrypted name of the file.
* Status – Whether 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:

* Easily access encrypt and decrypt functions.
* Display progress information on cryptographic and compression functions.
* Consistency between encrypt and decrypt forms.
* Icons on buttons for fast identification.
* Key shortcuts. ([E]ncrypt [D]ecrypt [A]dd...)
* System tray icon with context menu.
* Options - Default settings, System tray icon toggle.
* Command-line interface. (Ability to pass arguments to Crypty-Chops.exe)
* Online help.

### Social and Ethical Issues

* Files should be able to be encrypted and decrypted without any loss of data or corruption.
* Should not collect any information about the plain text contents of the files.
* Permission needs to be asked before any third party libraries are installed or checks for updates are done.
* No sensitive/unencrypted data should be stored.

### Environmental Considerations

* Software Requirements
  + Windows OS
  + .NET Framework 4.0
* Hardware
  + RAM
  + A fast CPU will decrease time taken to perform operations

## 

## Developer Considerations

* List of Algorithms
  + Encrypt
  + Decrypt
  + Find all file segments in directory
  + Split/Join file(s)
  + Update
  + Load file list

The following are in separate documents

* Modules
* Data Structures