

Sprint 2

Regression and Incremental Testing

Encryption x2

## Module Description

**Uploading files:** This module allows users to specify the title, comments, etc and choose the file they would like to upload. (This module was tested in sprint 1 but is needed to test the other modules).

Inputs: Title, comments, date, file, etc

Output: File will be seen on the main hub and if there are no error messages that means it was successful.

**Sharing Files:** This module allows the users to share their files with other users

Input: Select file to share, other user's email, credentials

Output: A confirmation will appear on screen whether or not the share was successful

**Viewing Files:** This module allows the user to view the files they have on their main hub page

Input: Select file, and input credentials

Output: Content of file will appear on screen

**Downloading Files:** This module allows the user to download their files after giving their credentials

Inputs: Select file, input credentials

Output: Encrypted file will start downloading if credentials were correct

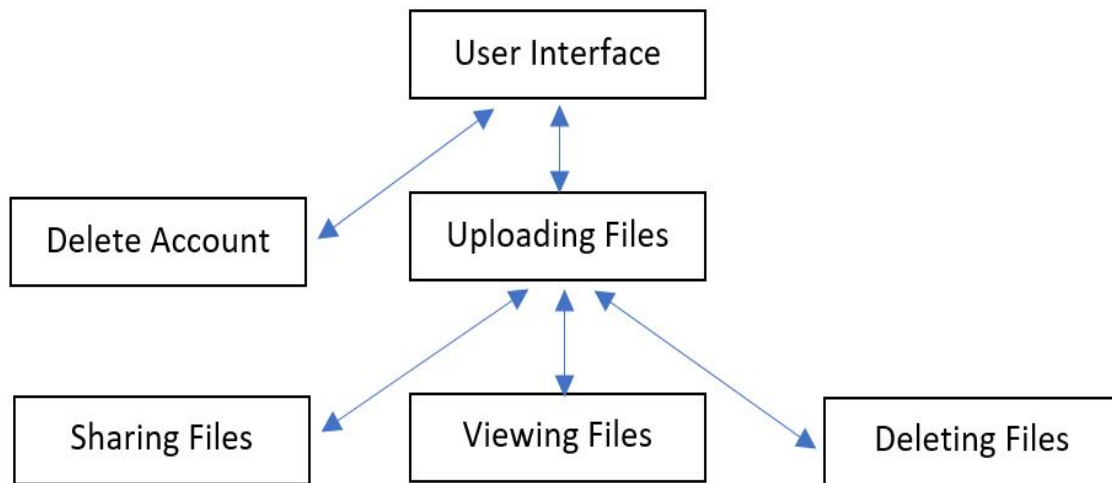
**Deleting Account:** This module lets the user to delete their account

Input: Select delete account button, input credentials

Output: If credentials were correct, the user will be logged out and the account will be deleted

## Incremental Testing Technique

We decided to do a top-down testing approach. The modules at the top are tested first while stubs are created and used for the lower level modules since are not yet integrated. Since we are testing the top first, we will not have to create drivers for them.



Product	Encryption x2
Module	Sharing files
Author	Development Team
Date	3/16/18

Defect #	Description	Severity	How Corrected
1	Files were shown to be successfully shared but did not appear on the other user's end	3	Corrected by updating the other user's list of accessible files. Originally forgot to update the user's file list within the database

Product	Encryption x2
Module	Viewing Files

Author	Development Team
Date	3/16/18

Defect #	Description	Severity	How Corrected
1	Files were always showing the encrypted files rather than the original files content	4	Forgot to decrypt the file from the cloud before displaying it on screen. Fixed by calling the decrypt function before displaying.

Product	Encryption x2
Module	Downloading files
Author	Development Team
Date	3/16/18

Defect #	Description	Severity	How Corrected
1	Only encrypted files were being downloaded. Original files were not being recovered	4	Similar problem as viewing files. Had to decrypt the file and then pass the decrypted file link to the user

Product	Encryption x2
Module	Deleting Account
Author	Development Team
Date	3/16/18

Defect #	Description	Severity	How Corrected
1	Account was successfully deleted but shared files still existed	3	Updated and removed the shared files that were shared with other users