

Team 3 Encryption Use Cases

1. Set up Password

Main:

When the user first starts the app they have to create a password and an answer to a security question.

Alternate:

If the user doesn't enter a password and a security question and answer they will get an error and be sent back to the set up screen

2: Change the Password

Scope: Phone application

Level: user goal

Primary Actor: The application

Stakeholders and Interests:

- User: Wants to change the password for file encryption.

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): The password was successfully changed.

Main Success Scenario (or Basic Flow):

- The user either will enter their old password first and log in, or use the security question to log in.
- The user selects the change password option and again will enter the old password or answer the security question
- The user will then enter the new password and confirm it.

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open

- Files or folders to be encrypted

3: Encrypt the File

Scope: Phone application

Level: user goal

Primary Actor: The application that is encrypting the file.

Stakeholders and Interests:

- User: Wants to encrypt the file or folder for secure storage.

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): File or folder is encrypted and locked from viewing.

Main Success Scenario (or Basic Flow):

- User opens the application and verifies their identity with either the password or security question.
- User navigates through the file browser to the location of the file or group of files that they want to encrypt.
- User selects the files and chooses the option to encrypt the file.
- File or group of files are then encrypted.

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open
- Files or folders to be encrypted

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants to encrypt a file

Open Issues: N/A

4: Decrypt file

Scope: Phone application

Level: user goal

Primary Actor: The application that is decrypting the file.

Stakeholders and Interests:

- User: Wants to decrypt the file or folder for unsecure storage.

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): File or folder is decrypt and unlocked from viewing.

Main Success Scenario (or Basic Flow):

The user has to click on the file that he/she want to decrypt if the file already encrypted he/ she has to enter the password to decrypt the file if the file not encrypted then will do nothing.

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open
- Files or folders to be decrypt

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants to decrypt a file

Open Issues: N/A

5: Open Encrypted File

Scope: Allows the user to open a file

Level: user goal

Primary Actor: The application that is decrypting the file.

Stakeholders and Interests:

- User: Wants to open the file or folder for unsecure storage.

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): File or folder is decrypt and unlocked from viewing.

Main Success Scenario (or Basic Flow):

The user enters the right password and is allowed to open the encrypted file

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open
- Files or folders to be decrypt

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants to open an encrypted file

Open Issues: N/A

6: Create new file

Main:

The user can create a new file that can later be encrypted, in case they need a quick/small file encrypted.

Scope: Allows the user to create a new file

Level: user goal

Primary Actor: The application file explorer that is creating the new file

Stakeholders and Interests:

- User: Wants to create a new file quickly

Preconditions: Application is running and no file is selected

Success Guarantee (or Postconditions): New file has been created.

Main Success Scenario (or Basic Flow):

The User will hit the create new file button

The User will enter a name for the new file

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants a new file

Open Issues: N/A

7: Move file

Main:

The user can select a file or folder and then choose where they would like to move them.

Scope: Allows the user to move new file to another folder/location

Level: user goal

Primary Actor: The application file explorer that is handling the file locations

Stakeholders and Interests:

- User: Wants to move a file to another location easily.

Preconditions: The user/app has access to the destination folder/location they are trying to move the file to

Success Guarantee (or Postconditions): The file was successfully moved.

Main Success Scenario (or Basic Flow):

The User will select a file

The User will press the move file button

The User will select a new location for the file

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants a new file

Open Issues: N/A

8: Search the File

Scope: Phone application

Level: user goal

Primary Actor: The application that is searching the file.

Stakeholders and Interests:

- User: Wants to search for the file or folder.

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): File or folder is search for and found.

Main Success Scenario (or Basic Flow):

- The user has to click on the search button and enter the name of the file that he/she look for.

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open
- Files or folders to be encrypted

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants to search for a file

Open Issues: N/A

9: Delete the File

Scope: Phone application

Level: user goal

Primary Actor: The application that is deleting the file.

Stakeholders and Interests:

- User: Wants to delete the file or folder.

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): File or folder is delete.

Main Success Scenario (or Basic Flow):

- The User can select the files they wish to delete and then press a delete button
- If the user selects an encrypted file they have to enter the password
- If they enter the correct password they can delete the file
- If they don't enter the correct password then they can't delete the file

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open
- Files or folders to be encrypted

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants to delete a file

Open Issues: N/A

10: Copy and Paste the File

Scope: Phone application

Level: user goal

Primary Actor: The application that is copying and pasting the file.

Stakeholders and Interests:

- User: Wants to copy or paste the file or folder .

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): File or folder is copy or paste.

Main Success Scenario (or Basic Flow):

- The user can press a copy button which will copy the selected file over to the clipboard. The user can navigate to a new location and hit a paste button to make a new copy of the file

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open
- Files or folders to be encrypted

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants to copy or paste a file

Open Issues: N/A

11: Store the File

Scope: Phone application

Level: user goal

Primary Actor: The application that is storing the file.

Stakeholders and Interests:

- User: Wants to store the file or folder.

Preconditions: Application is running and a file or group of files are selected.

Success Guarantee (or Postconditions): File or folder is store.

Main Success Scenario (or Basic Flow):

- The user can choose to store the encrypted file on a remote server. Later on, if an account is properly connected, you could download the file from a separate phone or computer.

Extensions: N/A

Special Requirements:

- Smart phone to run the application
- Application running and open
- Files or folders to be encrypted

Technology and Data Variations List: N/A

Frequency of Occurrence: Whenever the user wants to store a file

Open Issues: N/A

12: Forgot Password/ Security Question

Main:

if the user forgot his/her password they can click on Forgot password button the they have to answer the Security Question that he already created when he first time start the app to reset the password and if they can't answer it they will be not able to reset the password.