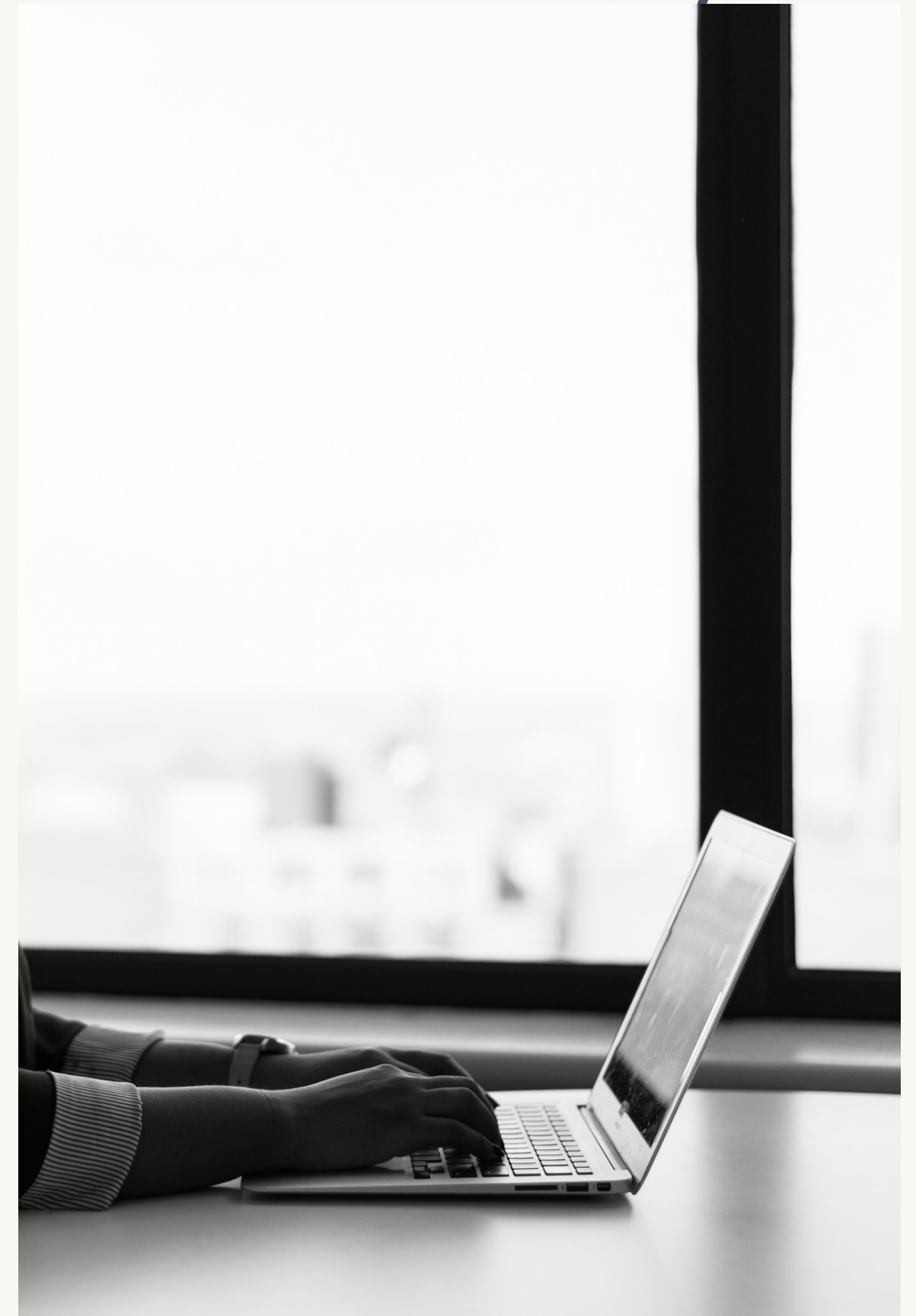


AUGUST 06, 2019

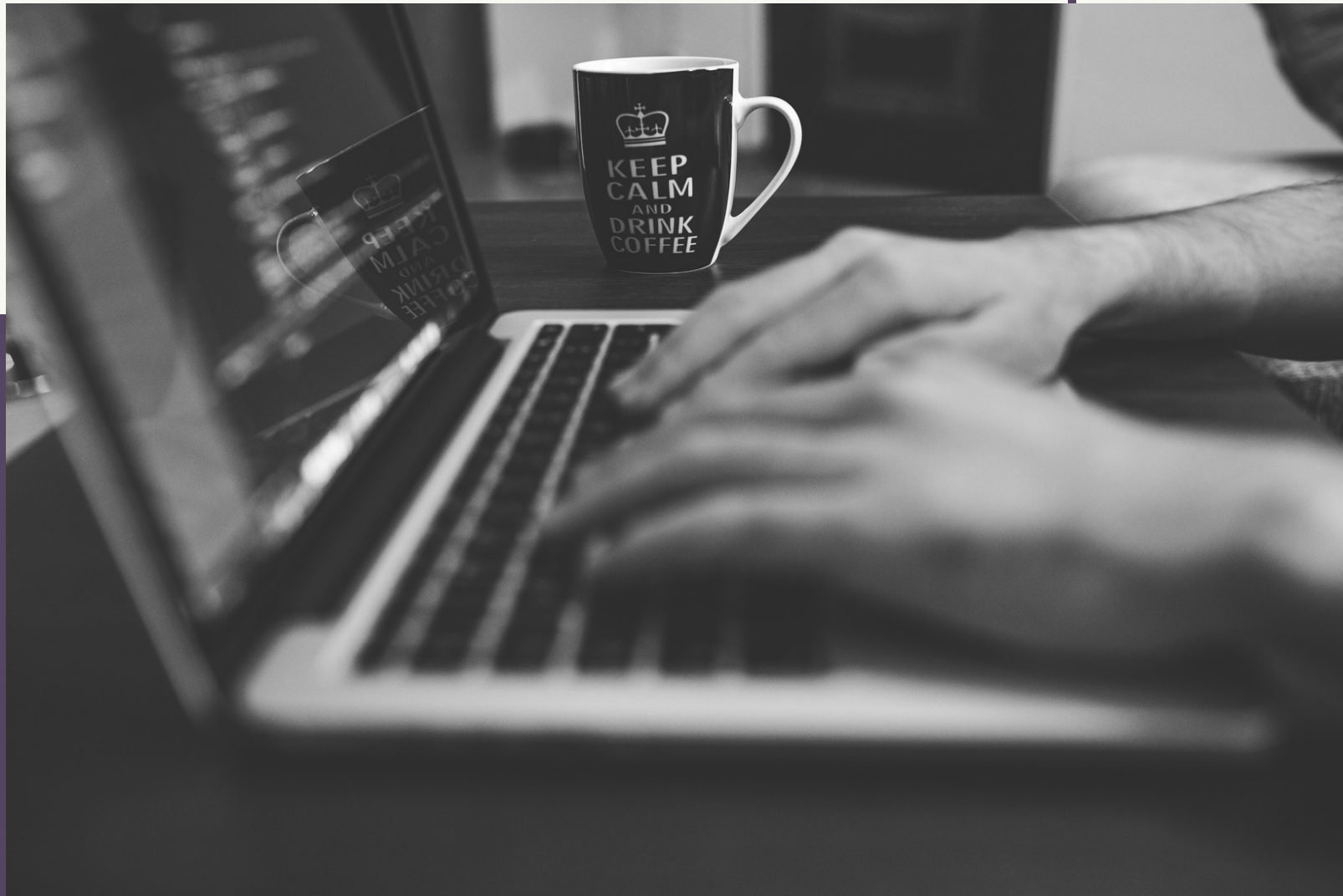
LockIt

Group 7:

Clifford Matthew, Grinberg Ekaterina,
Hashimuddin Shabab, Phiri Shannil



Presentation Overview



DISCUSSION

What is LockIt?

Why we developed this applications.

How LockIt is different from all the other applications.

LockIt features.

What is LockIt?



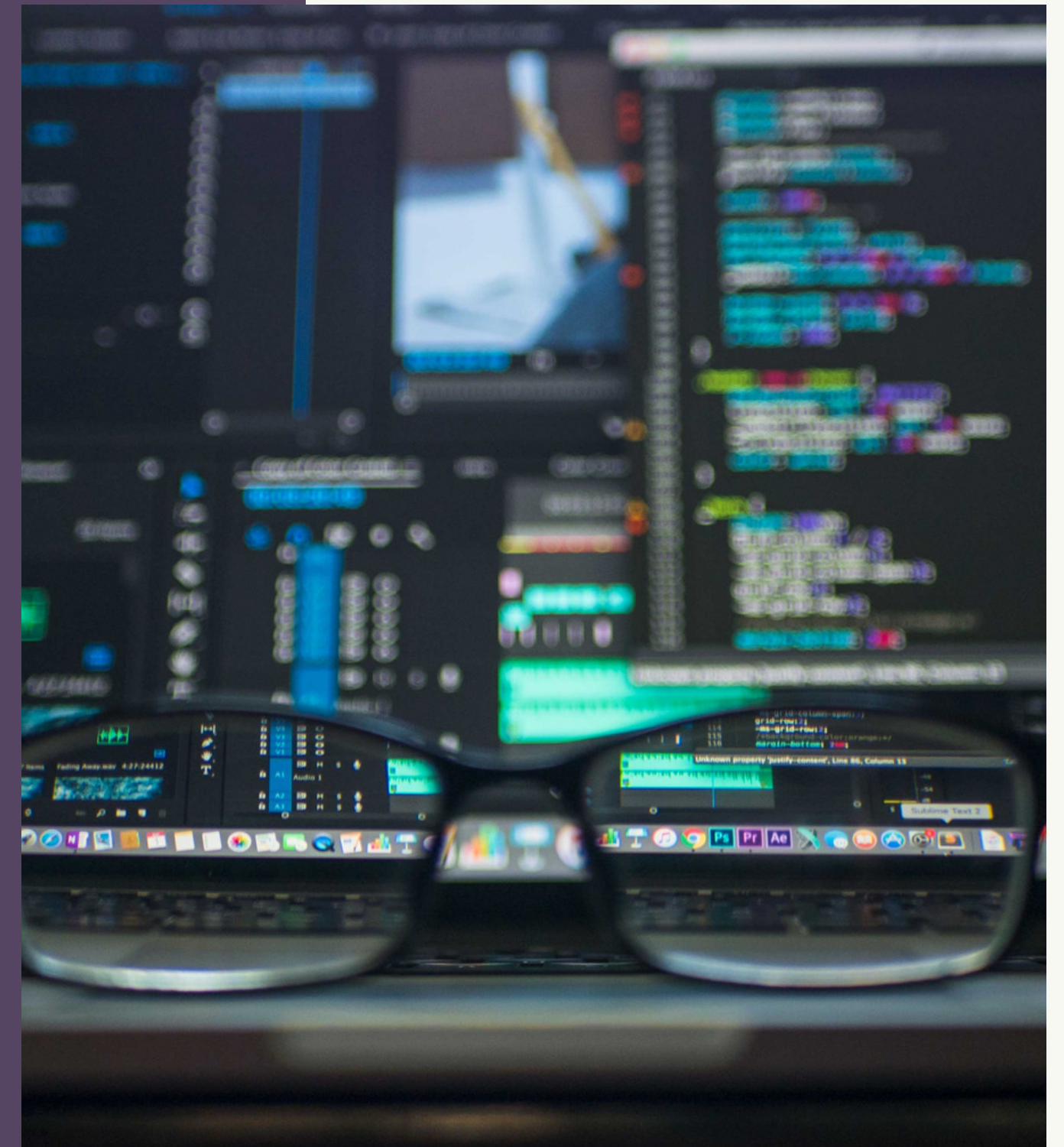
LockIt is a Password Manager Software for Desktops. In our Password Manager, all the user data will be encrypted locally inside a database and then locked by a strong secret key which is given to the PC app by the user..

DATA SAFETY

*Why we wanted to
develop LockIt*

Password manager

- Data is one of the most likely things to be stolen from any everyday person, whether it's their Debit card details or their government documentation.
- We developed this software to close the gateway between a hacker and the user's sensitive information. Giving the user an extra layer of protection against data lock or thievery.



How LockIt is different

- One unique password for each user to access his/her password database
- Encrypted document & media files
- Auto logout feature for added security

- Passwords are not saved in a server but on a local device
- Passwords are categorized and have unique colours

“

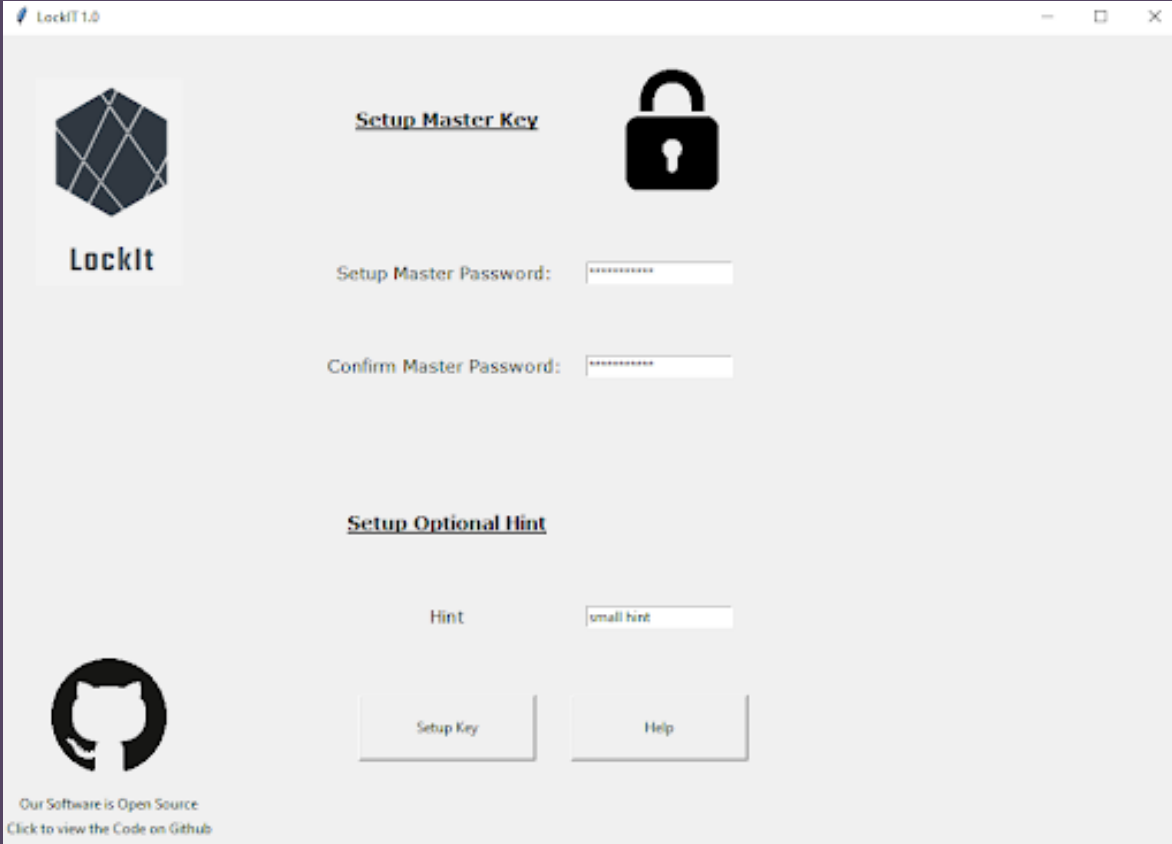
LockIt Features

- Registration - only master password setup
- Control on security setting
- Store encrypted passwords inside different categories
- Store encrypted media and documents
- Send media and document from Software to PC
- Password Expiry setup
- copy password to website
- password generator
- Redirected to website from password page

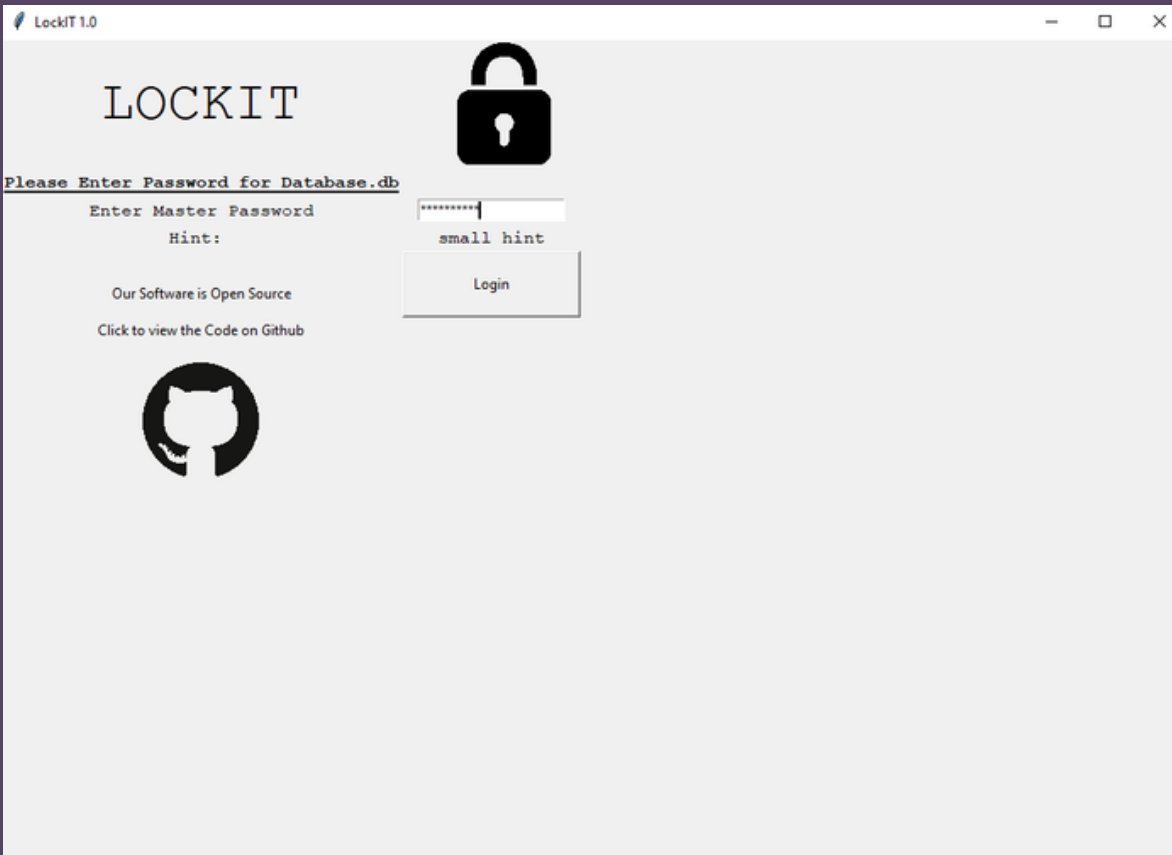


Registration And Log In

- Our user types in a master key on the register page which is the private key to access LockIt.db
- The login page authenticates and passes the user through to have access to contents of LockIt.db
- When logging in the application matches the input password with the master password in the database
- Both pages include a hint option, though not mandatory user cannot have their password as their hint




The screenshot shows the 'LockIt 1.0' application window. On the left is the 'LockIt' logo, a stylized hexagon with a grid pattern. On the right is a large padlock icon. The main content area is titled 'Setup Master Key'. It contains two password input fields: 'Setup Master Password:' and 'Confirm Master Password:'. Below these is a section titled 'Setup Optional Hint' with a 'Hint' label and a text input field containing 'small hint'. At the bottom are two buttons: 'Setup Key' and 'Help'. In the bottom left corner, there is a GitHub logo and the text 'Our Software is Open Source' and 'Click to view the Code on Github'.



The screenshot shows the 'LockIt 1.0' application window in its login state. The title bar says 'LockIt 1.0'. The main heading is 'LOCKIT' in large, bold, capital letters. Below it is a padlock icon. The text 'Please Enter Password for Database.db' is displayed. There are two input fields: 'Enter Master Password' and 'Hint:'. The 'Hint:' field contains the text 'small hint'. A 'Login' button is positioned below the password field. In the bottom left corner, there is a GitHub logo and the text 'Our Software is Open Source' and 'Click to view the Code on Github'.

Security Settings



LockIt

Enable Master Password Protection

Enables access to View Password/Media/Document Icon with Master Password

On

Enables access to Copy Password with Master Password

On

Enable Automatic Logout

Enables automatic logout of the software after a certain amount of inactivity

On

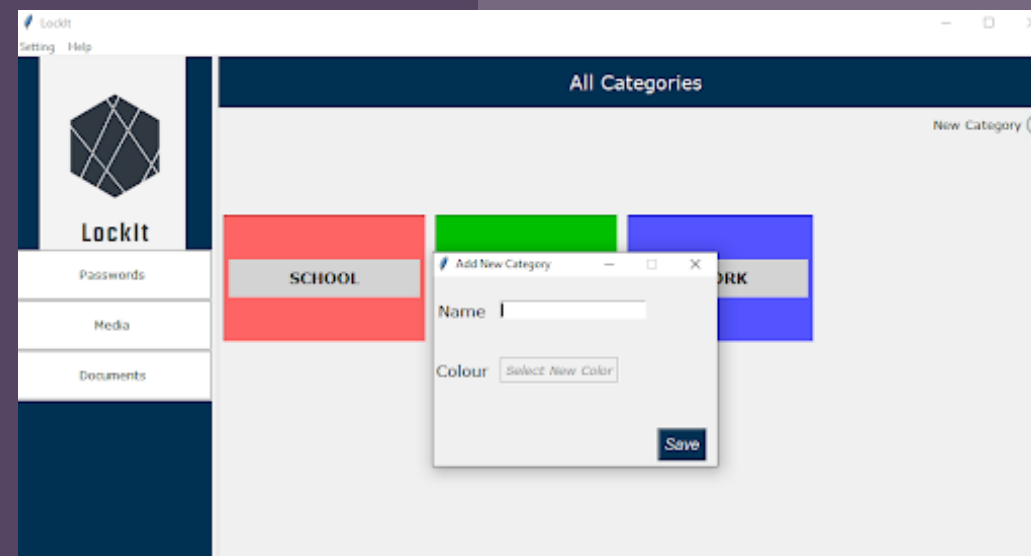
Apply

Save

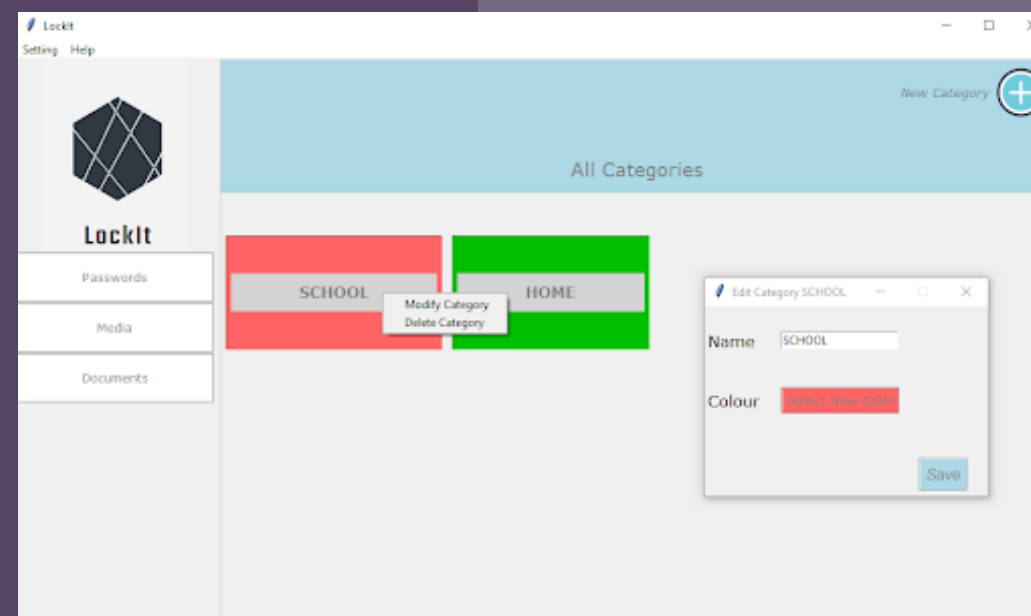
INITIAL SECURITY SETTINGS

- Our security features include requirements for a master password to access the view data button.
- Requires a master password to access the copy password button.
- An auto logout timer that will logout the user after a period of inactivity.

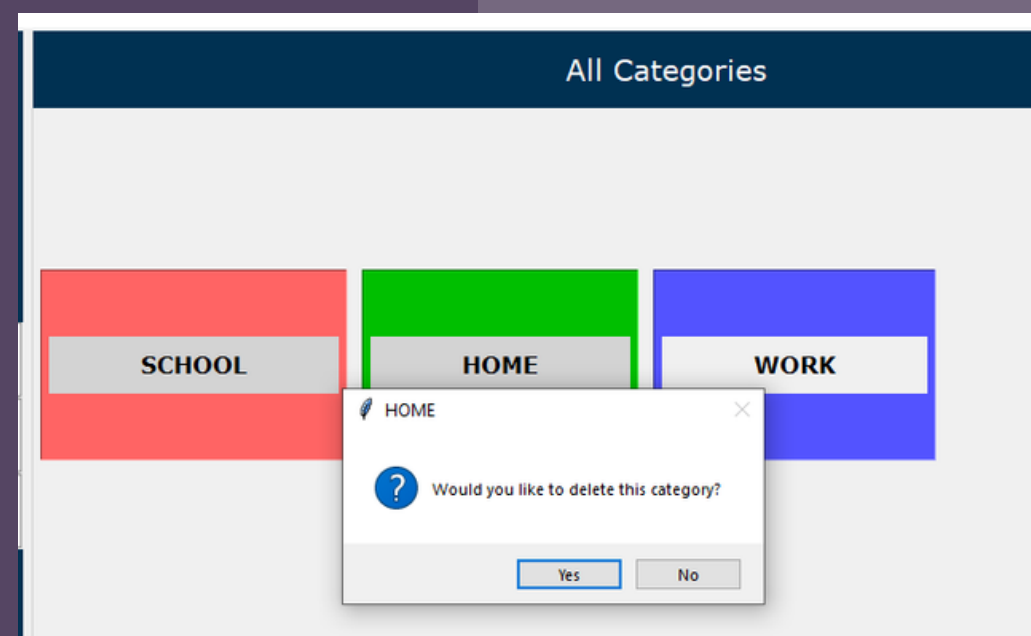
Store encrypted passwords inside different categories



● ADD CATEGORY

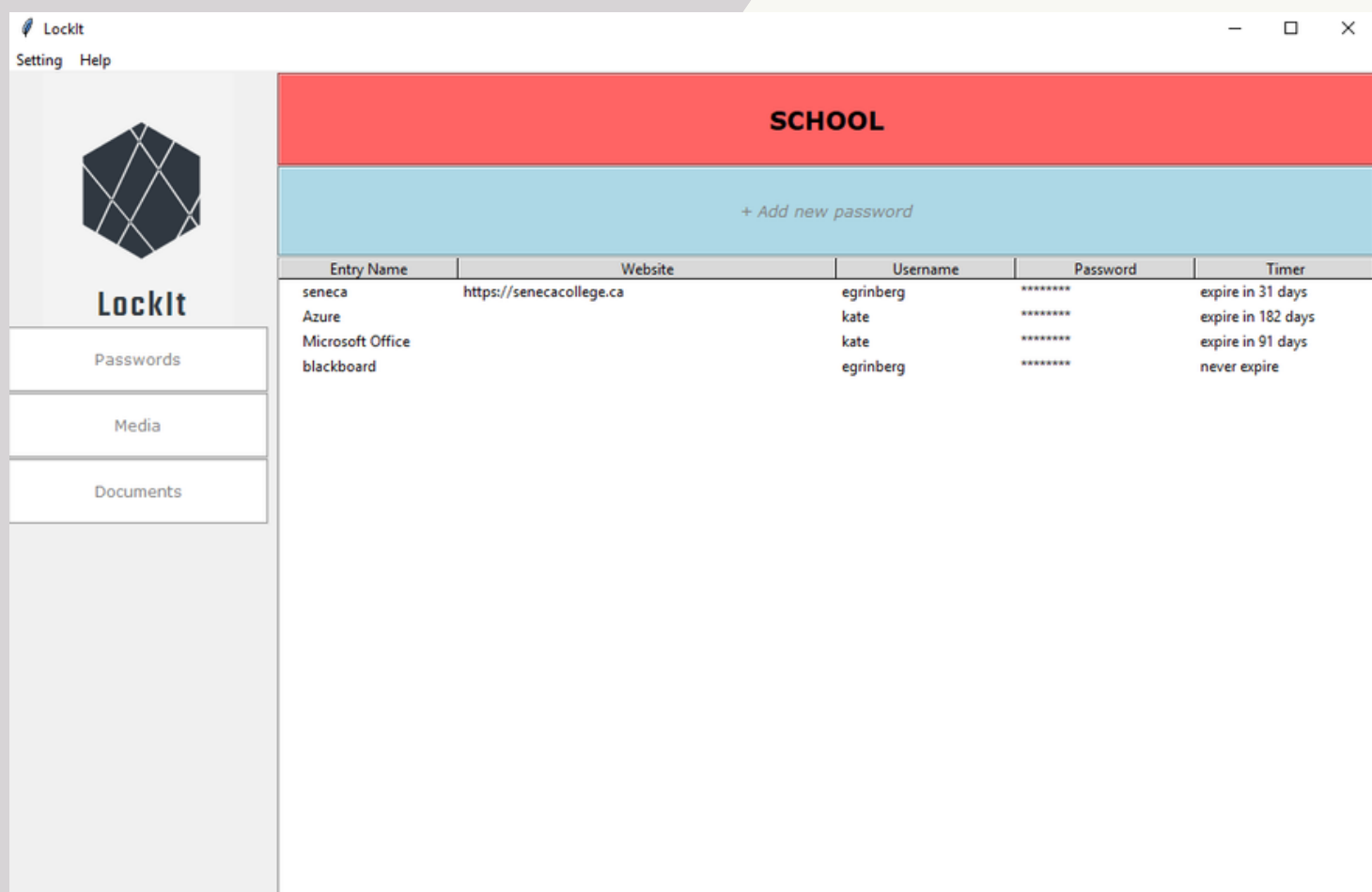


● MODIFY CATEGORY



● DELETE CATEGORY

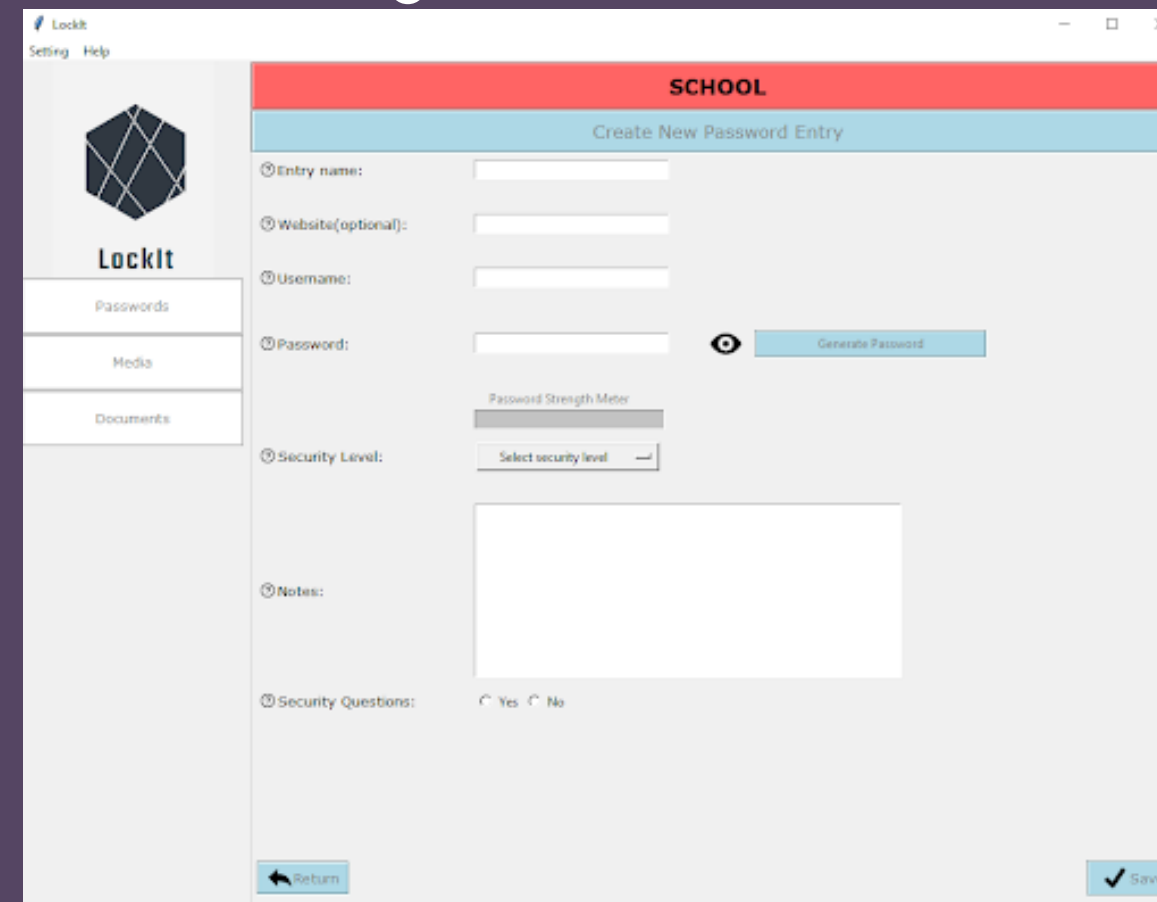
- Eye icon – see encrypted password
- If securing setting set on it will require master password
- Copy Button – copies the password
- Forward button – navigates to corresponding website



*Store
encrypted
passwords
inside
different
categories
pt.2*

Store encrypted passwords inside different categories pt.3

- Generate the password button
- Password indicator – indicates how strong is the password.
- Security Answers
- Security-level – timer to change the password
- Not secure – no timer
- Low – 6 months
- Medium – 3 months
- High – 1 month



The screenshot displays the LockIt application window. The title bar shows 'LockIt' and 'Setting Help'. The main window has a red header with the text 'SCHOOL' and a blue sub-header with 'Create New Password Entry'. On the left, there is a sidebar with the LockIt logo and three menu items: 'Passwords', 'Media', and 'Documents'. The main content area contains the following fields and controls:

- Entry name:** A text input field.
- Website(optional):** A text input field.
- Username:** A text input field.
- Password:** A text input field with a 'Generate Password' button to its right.
- Password Strength Meter:** A visual indicator showing the strength of the password.
- Security Level:** A dropdown menu with the option 'Select security level'.
- Notes:** A large text area for additional information.
- Security Questions:** A section with radio buttons for 'Yes' and 'No'.

At the bottom of the form, there are two buttons: 'Return' (with a back arrow) and 'Save' (with a checkmark).

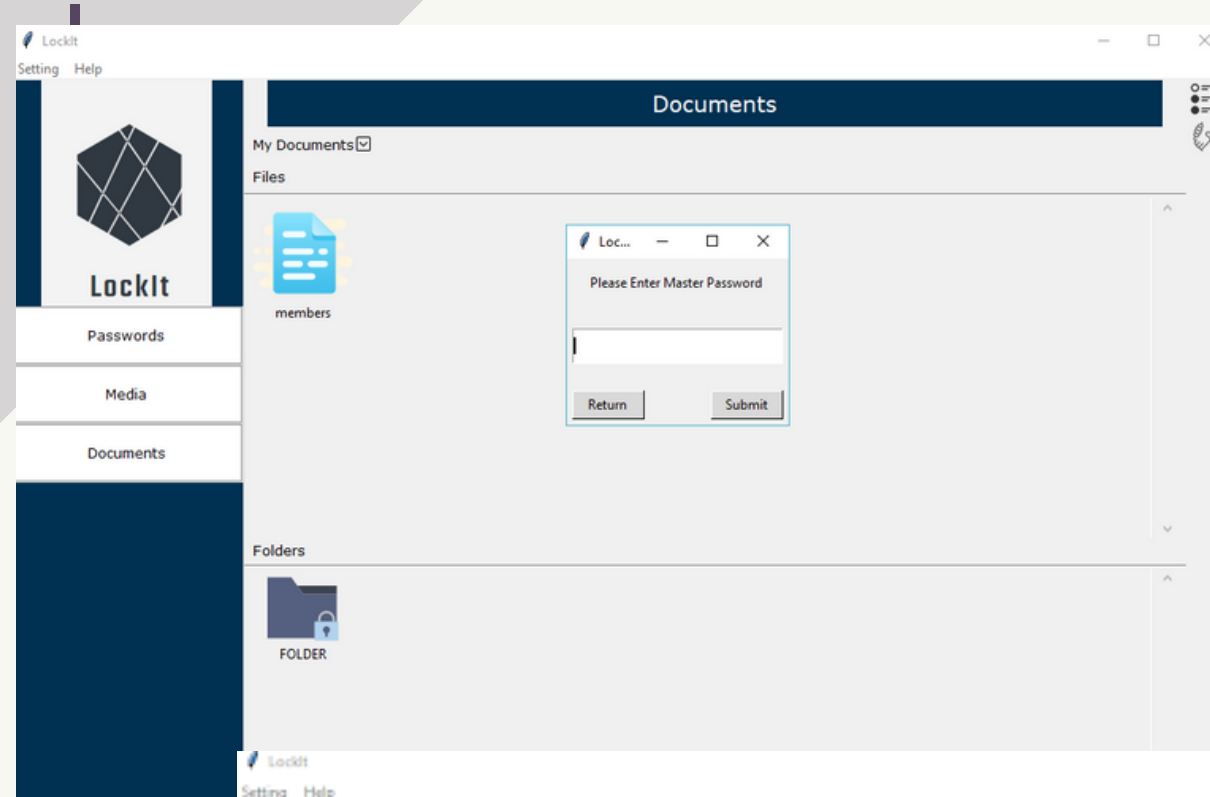
Security Settings

- You can come back and change the security settings any time you want
- Require a master password to access the view data button.
- Require a master password to access the copy password button.
- An auto logout timer that will logout the user after a period of inactivity.

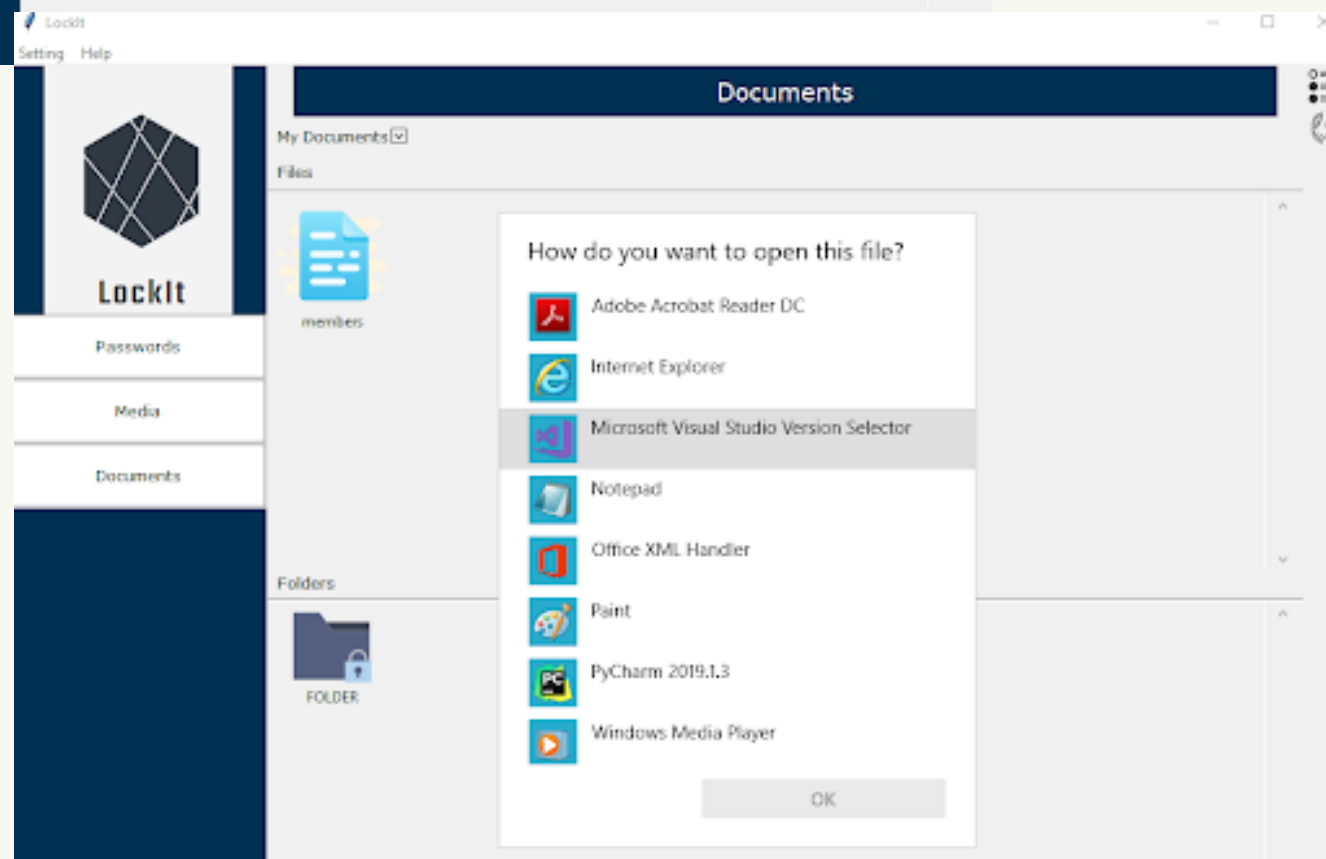




*Store encrypted Media
and Documents*



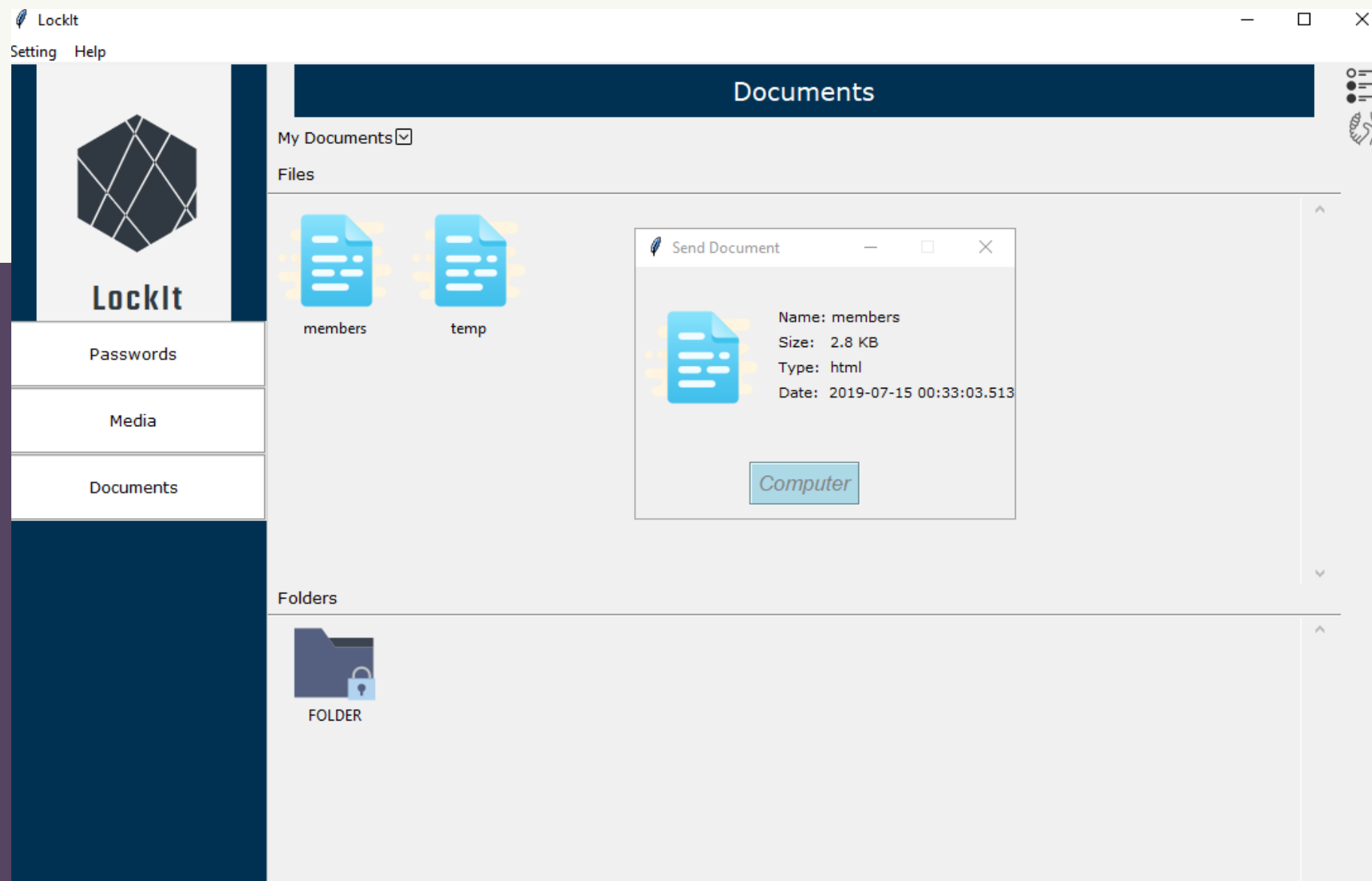
When it comes to the media and document options, if the user has turned on the master key requirement then they would have to view their files by inputting their master password first.



If not then the user can view their files immediately.

Similar to the passwords page the media and document pages allow the user to add folders creating a clean and easy to navigate application

Send Files from App to Local computer



To reduce the possibility of files or data being stolen via wireless connection. The documents or media can only be imported or exported to and from local devices.

Citations

- PRJ566 Final presentation, March 2019, Clifford Matthew, Grinberg Ekaterina, Hashimuddin Shabab, Phiri Shannil
-

To view as powerpoint click link below:

[https://www.canva.com/design/DADh2lv76AY/ugxkrN6zIfHcZ2MtrlaNqA/view?
utm_content=DADh2lv76AY&utm_campaign=designshare&utm_medium=link&utm_so
urce=sharebutton](https://www.canva.com/design/DADh2lv76AY/ugxkrN6zIfHcZ2MtrlaNqA/view?utm_content=DADh2lv76AY&utm_campaign=designshare&utm_medium=link&utm_source=sharebutton)

Thank you