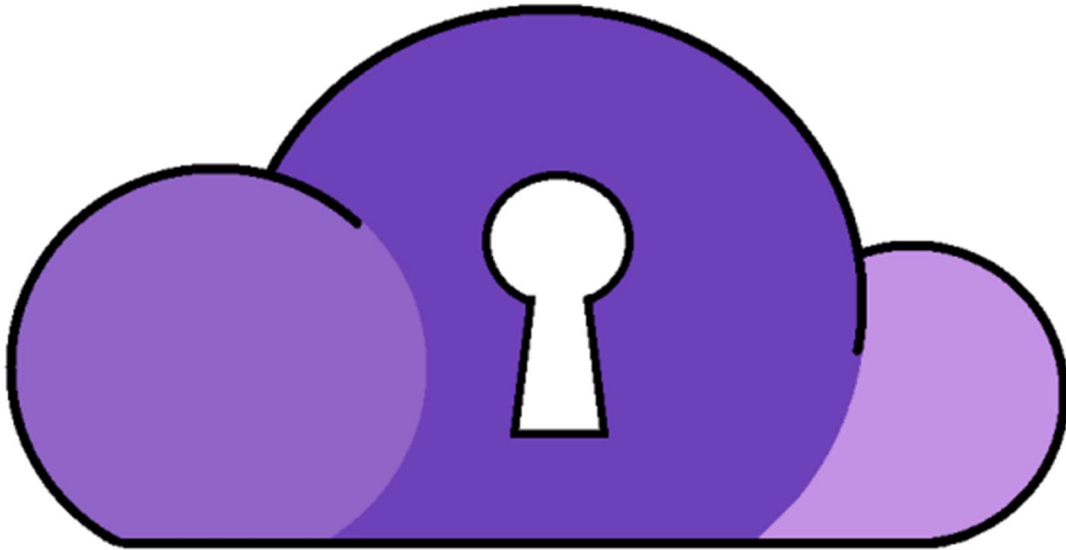


# **Client handbook**



## **Ethereal Cloud Group 25**

**[Written by Eli Bowen]**

## **Introduction to Ethereum cloud**

Ethereal Cloud is a cloud storage solution designed with security and usability in mind. Our platform offers file storage, sharing, and collaboration capabilities whilst keeping the privacy and security of your data.

## **Getting Started**

- Clone the GitHub repository to get the docker files and source code.
- Run docker and launch the website.
- Sign up for an account on the Ethereum Cloud website.
- Log in using your credentials.
- Begin uploading files and folders to your secure cloud storage from any device.

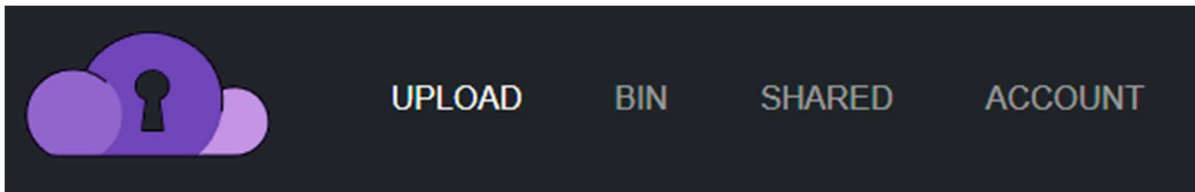
## **Our Security Features**

- End-to-End Encryption: All data stored on Ethereum Cloud is encrypted from your device to our servers, ensuring that only you and authorized users can access your files.
- Two-Factor Authentication (2FA): Enable 2FA to add an extra layer of security to your account login process.
- Compliance: Ethereum Cloud complies with industry-standard security regulations to safeguard your data this includes encrypting the files you upload.

## **File Management**

- Upload: Drag and drop files or folders directly into your Ethereum Cloud account for secure storage.
- Organise: Create folders, rename files, and arrange your data to stay organised and efficient.
- Sharing: You can share files with other users

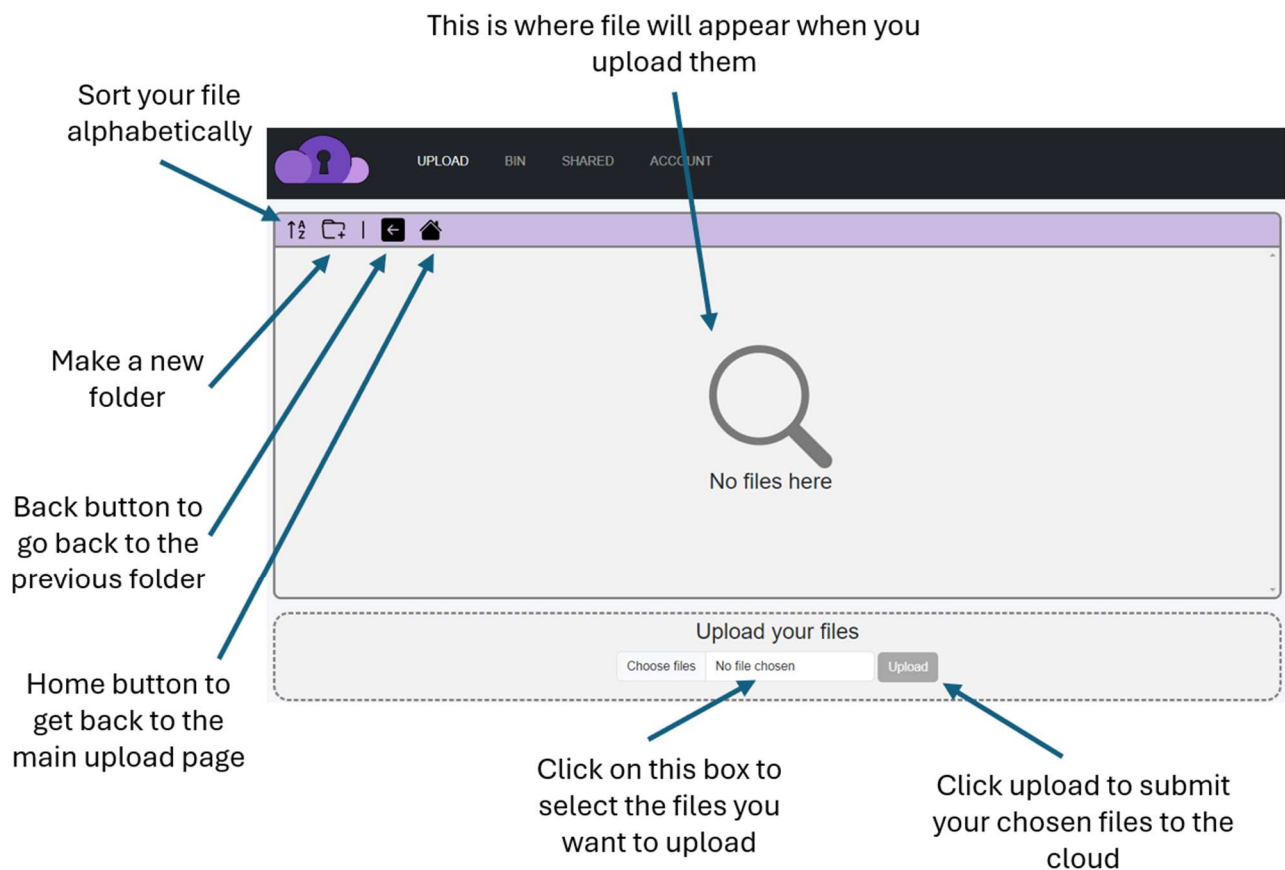
## Main navigation bar:



Here the user can simply click on whichever page they want whilst on the website. The navigation bar is fixed and will never disappear, which helps the user to find what they want both easily and quickly.

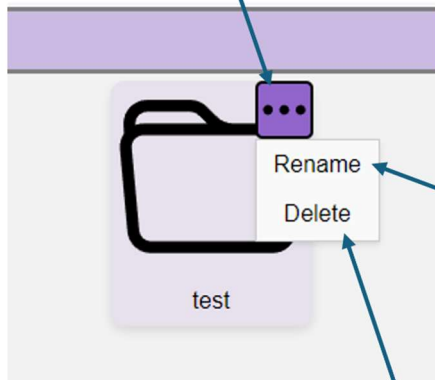
## Upload page:

Here are all the buttons on the upload page and what they all do.



## Folder options:

Click on the three dots when hovering over the folder icon



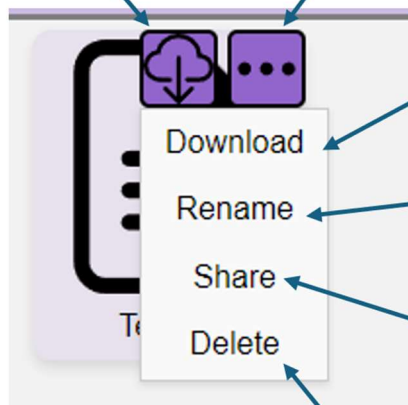
Rename button allows you to change the name of the folder

Delete button will delete your file which can be restored from bin if you wish

## File options:

This button also downloads the file as well as the download option (there are two download options)

Click on the three dots when hovering over the folder icon



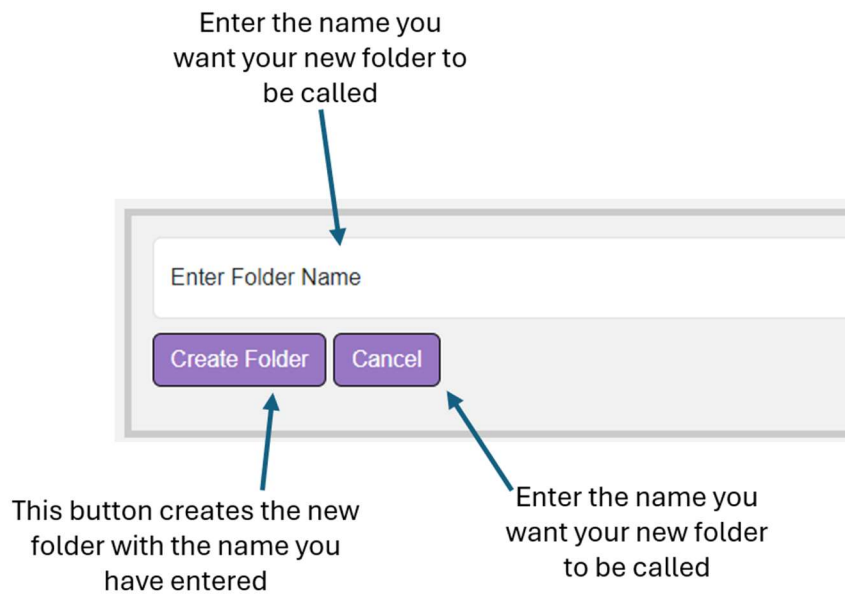
Download button allows you to download the file

Rename buttons allows you to change the file name

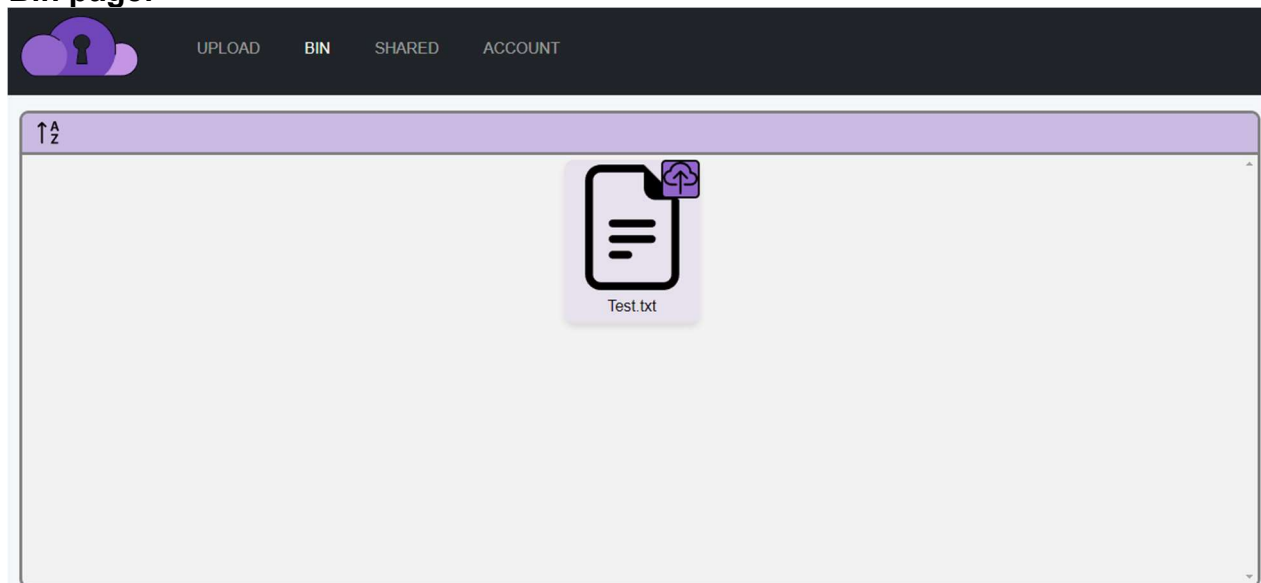
Share buttons allows you to share your file with another user on the website, you can see files you have shared on the shared page (which you can find in the navigation bar)

Delete buttons allows you to change the file name

**Create new folder popup (appears when clicking new folder in top left of upload page):**

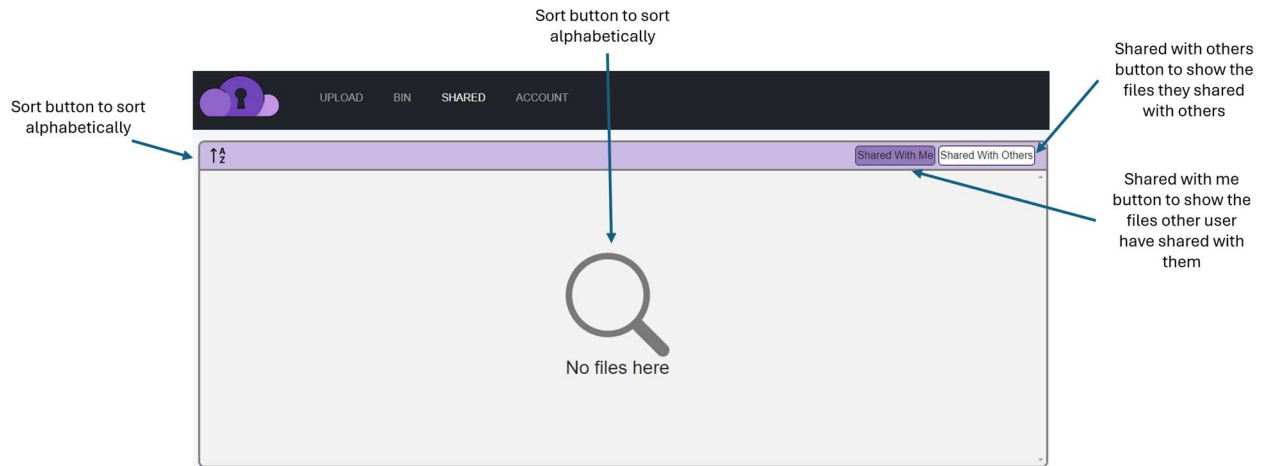


**Bin page:**

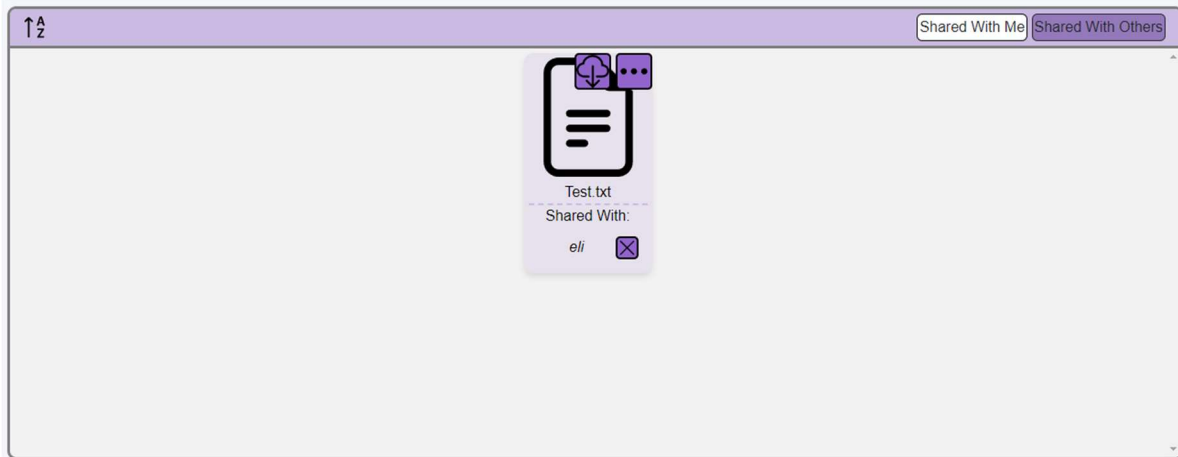


The bin page has one button in the top left, this is for sorting the files alphabetically. The main content on the page will be files that have been deleted. To restore these files simply hover of them and press the restore button in the top right corner.

## Shared page:



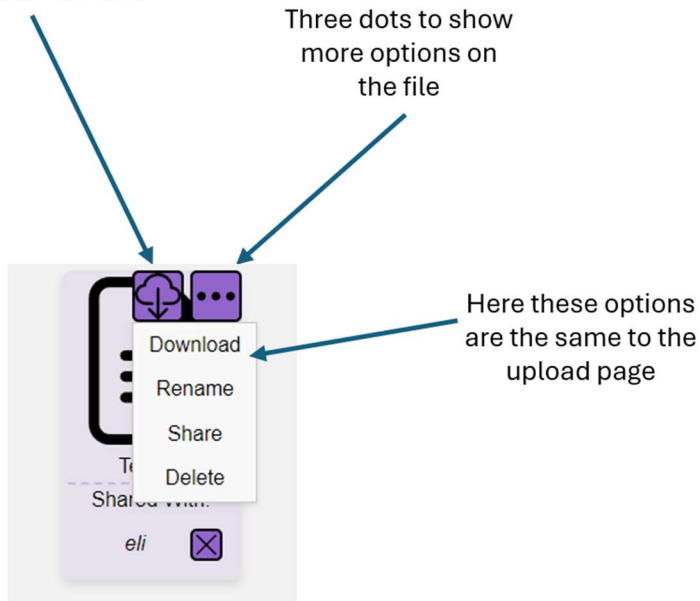
## Shared with others page:



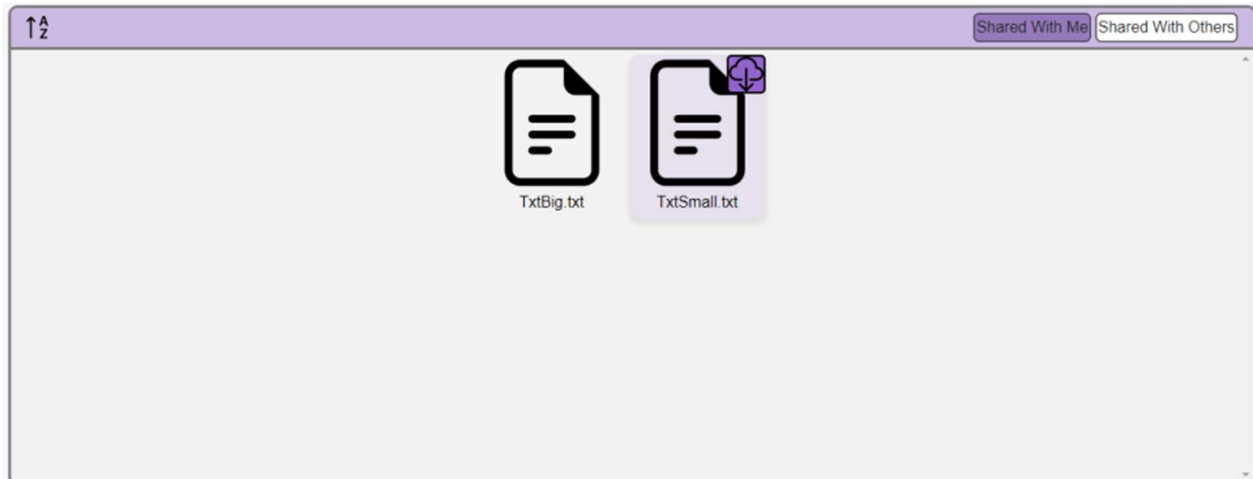
## Options on the file:

Download the files

Three dots to show more options on the file



## Shared with me page:



This page only has a download button on the files. It doesn't have any other functionality because the files don't belong to the user, and therefore they can't rename or delete other users' files.

### How does it work?

Our website works by using docker, this is an open-source software that allows you to host websites and other things inside of a container. The docker container is hosted on port 8081, that port is set up to use a secure HTTPS connection which allows you to access and use the cloud platform.

### How do we use the website?

To use our website, you simply run the docker-build.bat file, which is inside the repository, to start up all the docker containers and download the images needed to run our cloud service. Once this is done simply go to any browser installed on your device and type into the search bar localhost:8081.

### Getting updates?

Getting updates for our website would be done by simply pulling the GitHub repository on <https://github.com/Plymouth-University/comp2003-2023-25> this will then update the source code. By doing this it will allow the docker container to be updated accordingly when you re-run the docker build script.

### Where is it hosted?

It is currently hosted both on localhost and on an external IP. The use of localhost is extremely useful for in house simple and easy cloud storage where small businesses can run this to let everyone inside that business use it for file sharing. The perfect use case for this is that it is free to host yourself instead of using other cloud services.

### Who to contact for what?

If there are any bugs you can submit them in the issues section on our GitHub page. Then one of us will fix the bug within a few days.