



School of Computing

User Manual

GitMD

Members:

Aaron Crawford - 20336753
Ciaran Skelly - 20324213

Supervisor:

Stephen Blott

Date Completed	20/04/2024
----------------	------------

Table of Contents

Abstract	2
Installation	2
Web App	2
Mobile App	3
User guide	4
Login and Register	4
Create and Delete Collections	5
Navigation bar	7
View Files in Collection	8
Add and remove collaborators	9
Restore Deleted Files	10
Create File	11
Edit file	12
View formatted Markdown	14
Restore old file versions	15

Abstract

GitMD is a markdown editor available as a web application and on mobile platforms. The application allows users to create, modify, organise, and access their markdown files effortlessly regardless of the platform they are on. It aims to make the writing process more accessible, shareable and ensure no loss of work through the use of Git. Git repositories allow users to access their files on multiple devices and collaborate with other users on the same markdown files by sharing a repository; these features are ideal for teams working on projects or research groups.

Installation

Web App

To run the web application you must first clone our repository using git clone. Next you must have the latest version of python installed on your machine which can be gotten here [Download Python](#). Now using pip we can install the requirements file, cd into src and then pip install -r requirements.txt. Now you have all the dependencies for the backend to run it you must cd into WebApp\GitMD and run the following commands

- Python manage.py makemigrations
- Python manage.py migrate
- Python manage.py runserver

After you have done this you can set up the frontend of the application by cd into frontend and running the following commands

- Npm install
- Npm run dev

The web application should now be running on your local machine.

Mobile App

Installation is required to use the GitMD android application but at the moment, the application is not on Play Store so there are some extra steps involved in installing the application.

To install the APK file on an android device you may first have to change your settings to allow Installation of unknown apps. This can be done by opening settings navigating to apps > Special App access > Install unknown apps.

Select a browser to use to install the APK file (e.g chrome). Select Allow from this source to allow APK files to be installed via that browser. We recommend switching this off again after you have installed the app because this helps prevent installing unsafe or harmful apps. On the browser that you have just allowed to install unknown apps navigate to the [release directory](#) of our project repository.

Click download, you may still get warnings about installing from unknown sources but proceed through them and the APK should begin to download. Once the download is complete, click open, it will ask you "do you want to install this app?", click install. If you get another warning about unknown apps click install anyway.

The app should then be installed on your device and ready to be used.

User guide

Login and Register

Mobile:

Sign in

Email Address

Password

LOG IN

[Forgot Password?](#)

Register

Register

Username

Email Address

Password

Submit

Web:

Sign in

Email Address *

Password *

LOG IN

[Don't have an account? Register](#)

[Forgot Password?](#)

Register

Username *

Email Address *

Password *

*Password must be minimum 8 characters

REGISTER

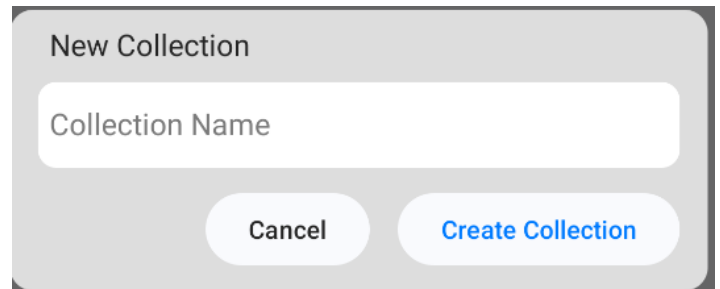
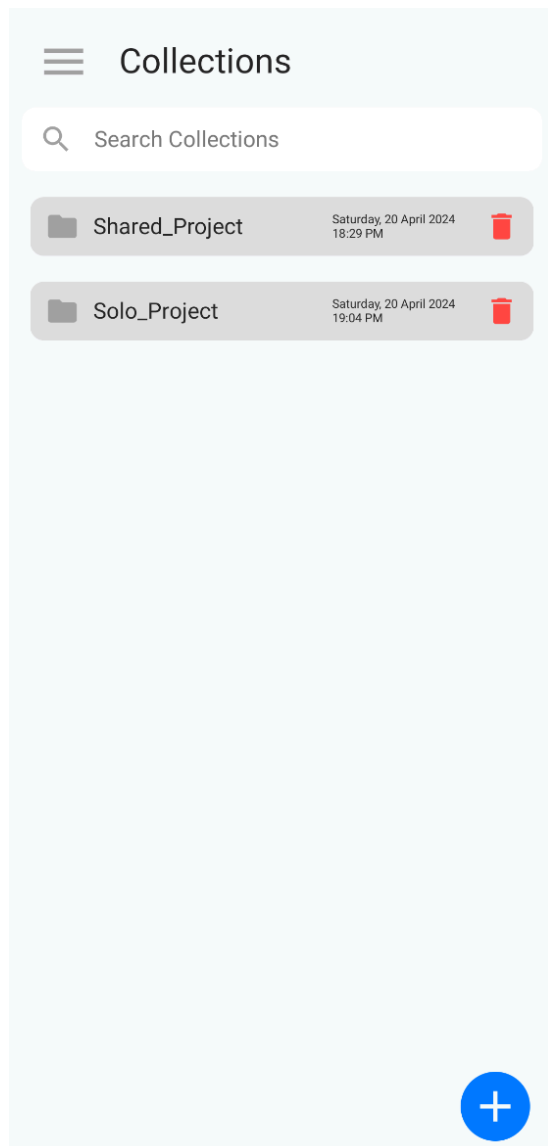
[Have an account? Login](#)

[Forgot Password?](#)

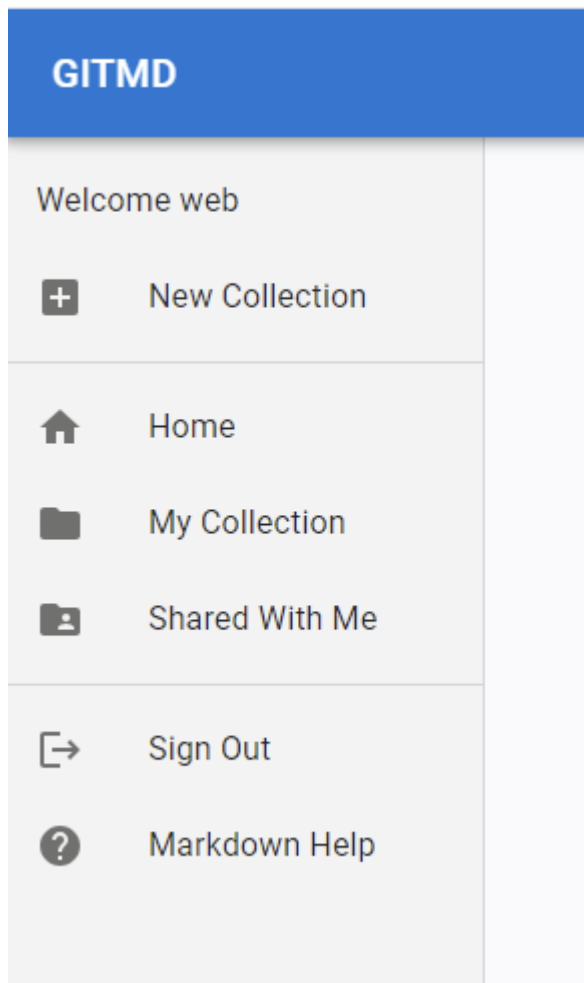
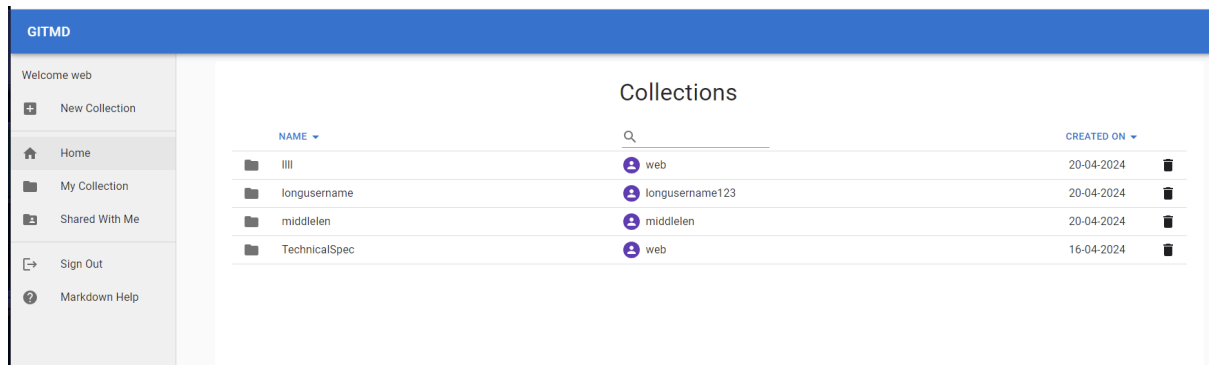
On the application, the login page is the first thing you see when it is launched. If you already have an account set up you can enter the email address used to register your account and the password you set, into the appropriate boxes and then click submit to login. If you don't have an account set up, you can click the 'Register' button to be brought to the registration page where you can set up your account by entering a username, email, and password (must be a minimum length of 8 characters) before clicking submit. Once you successfully register your account you will be logged in.

Create and Delete Collections

Mobile:



Web:

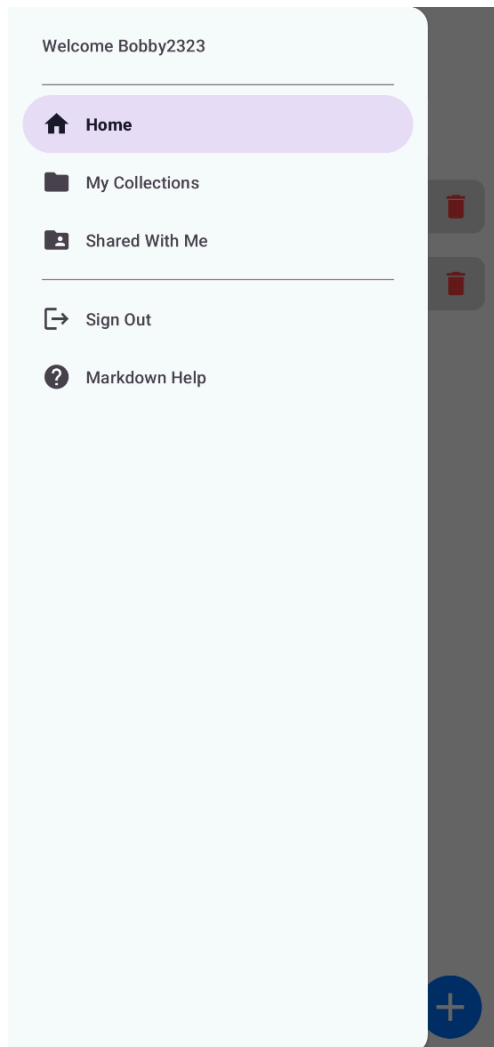


On the app, collections can be created by clicking on the plus icon on the bottom right of the collections screen, this will bring up a dialog that will allow you to enter the name of the collection you wish to create and then click 'Create Collection' to create it. On the web app the same can be done by clicking on New Collection in the nav bar.

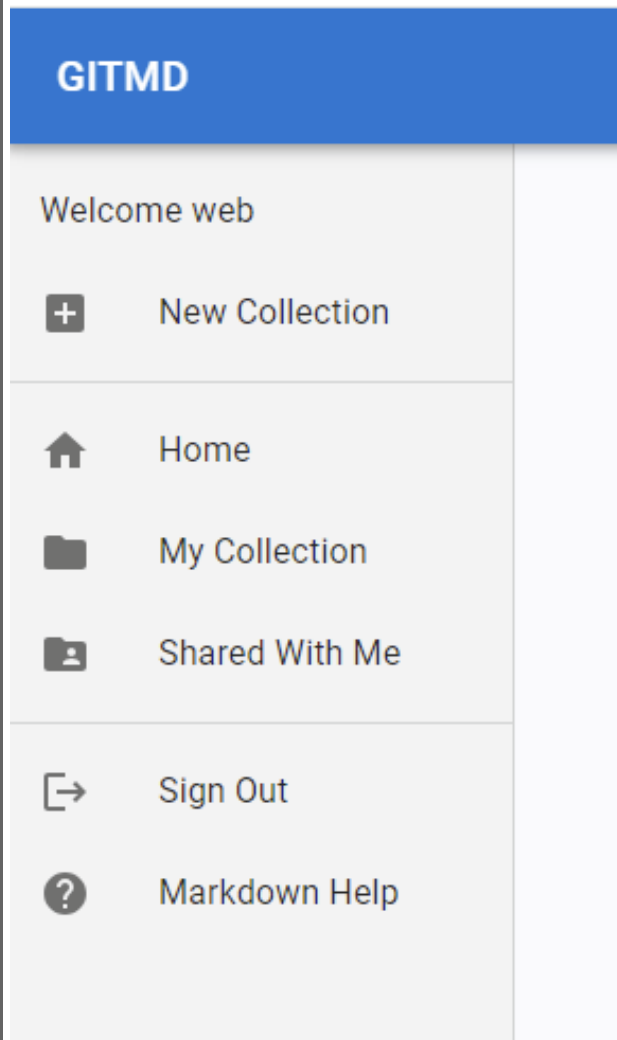
Collections can be deleted by clicking on the delete icon of the collection you wish to delete.

Navigation bar

Mobile:



Web:

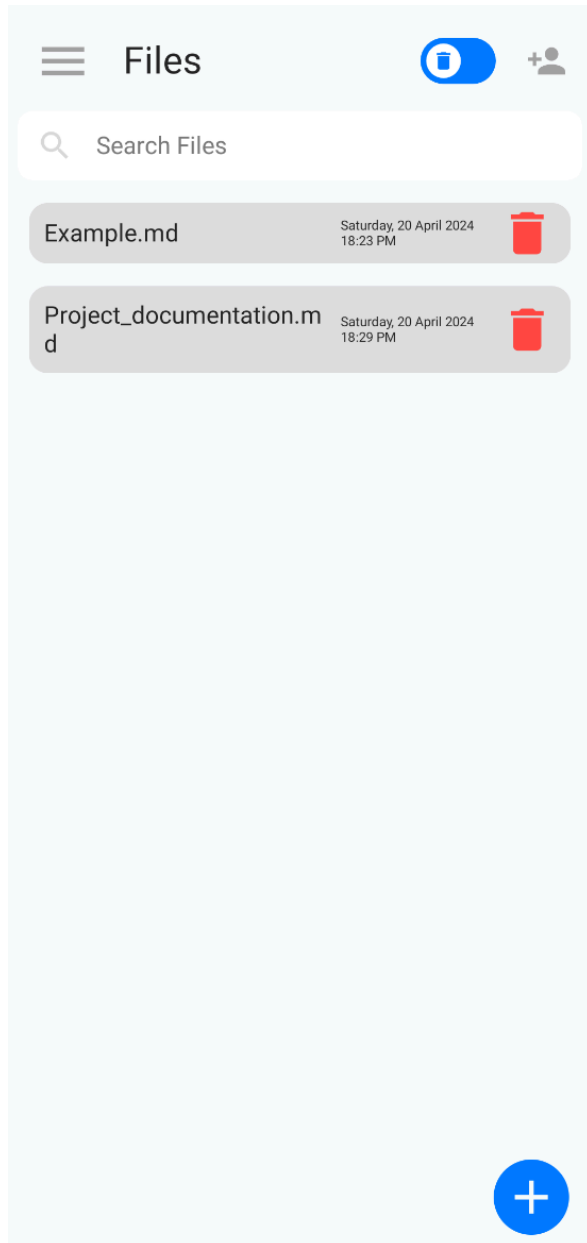


To filter between all collections, collections that you own and collections that have been shared with you, you can click the hamburger button on the top left to bring up the navigation menu on the mobile app otherwise on the web app the navigation bar is stuck to the screen. Click one of the top three items to change the collections you are seeing or click 'sign out' to be brought back to the login screen. Markdown help is a page that users will get to grips with writing in markdown, showcasing its capabilities and allowing users to play with sample markdown.

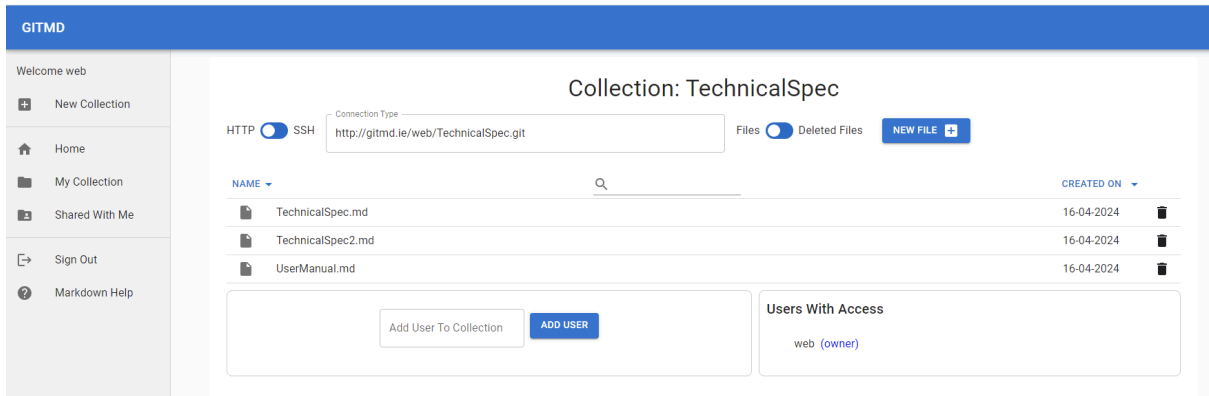
View Files in Collection

Clicking on a collection will bring you to the next page, which will display the files within the collection you clicked. To delete any file click the delete icon to the right of the file.

Mobile:

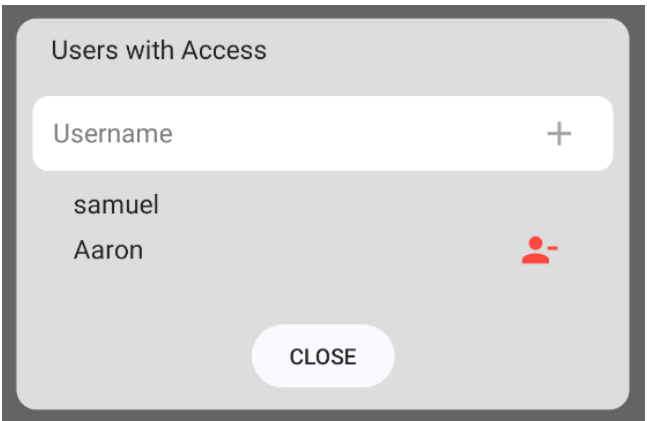
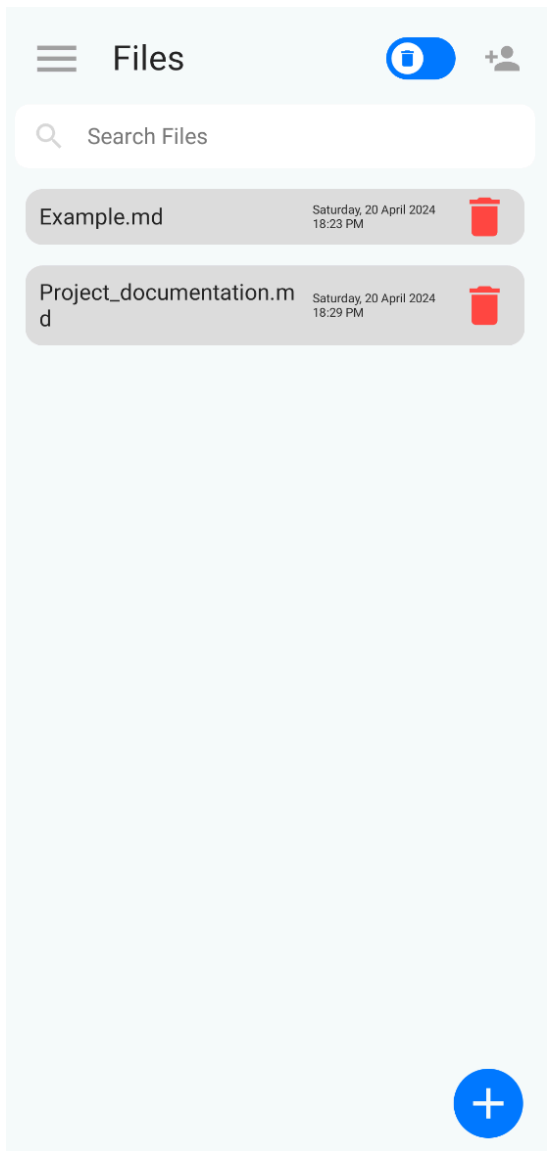


Web:



Add and remove collaborators

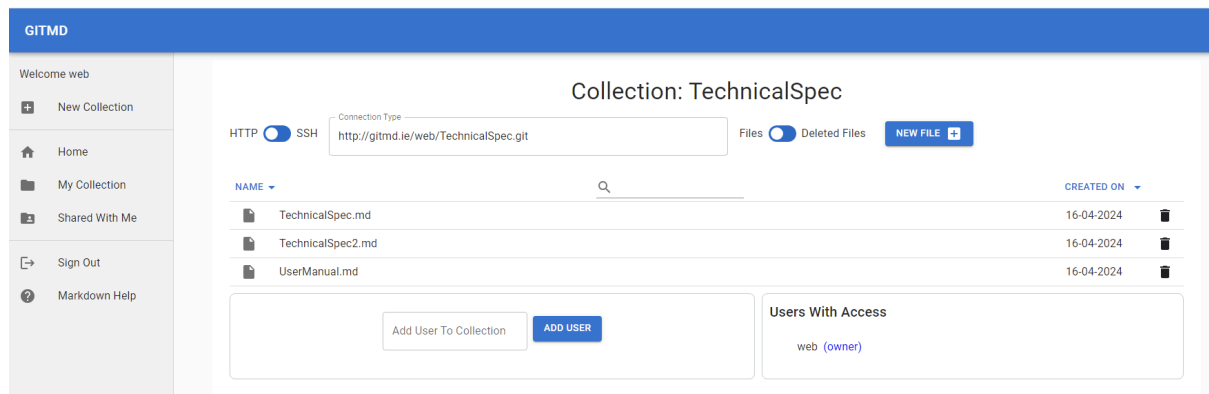
Mobile:



To see a list of the users who currently have access to the collection you can click on the add user icon on the top right of the screen. This will display the list of users with the owner

on the top. To add another user as a collaborator, enter their username in the 'Username' text box and click the plus icon. To remove a collaborator, click the 'remove user' icon beside their username in the list. These features can be on the same page on the larger web UI.

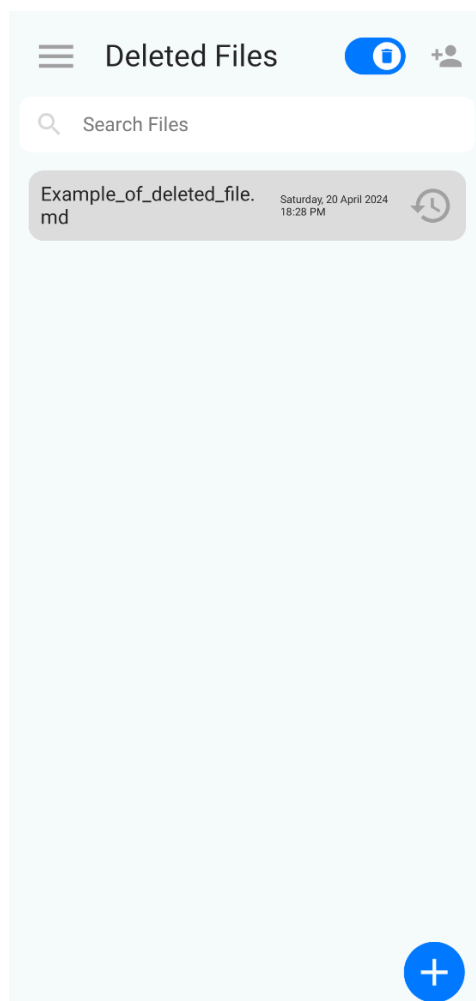
Web:



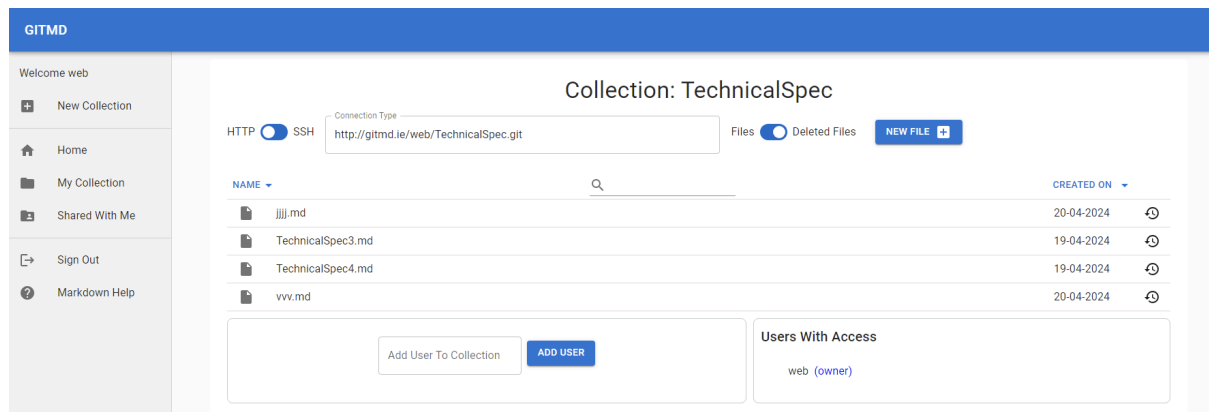
To add and remove users to a collection on the web app simply enter their username into the text box on the bottom left and click add user. To remove them click on the red remove icon beside their name.

Restore Deleted Files

Mobile:



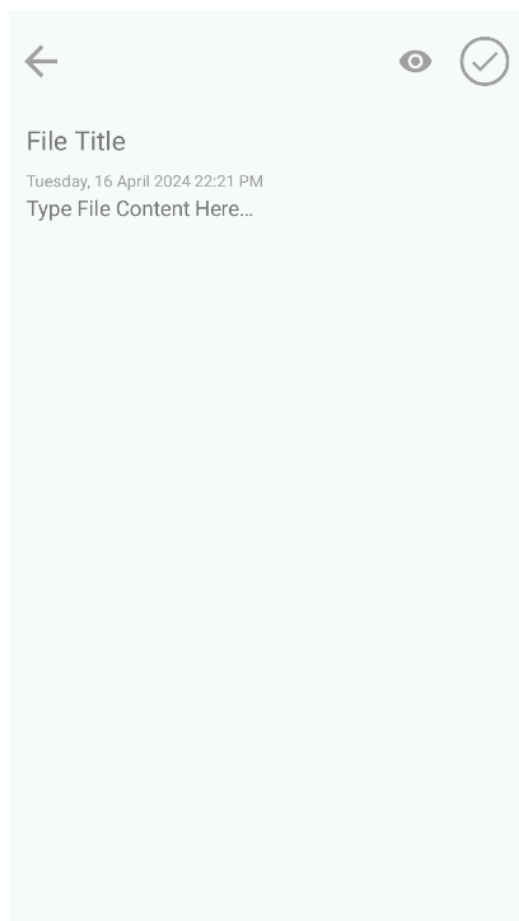
Web:



To restore a deleted file, click the switch on the top of the screen, this will update the list of files to display deleted files only. Click the restore icon beside the file you wish to restore. This will restore the file and move it from the deleted list to the regular file list. To see that list click the switch again.

Create File

Mobile:



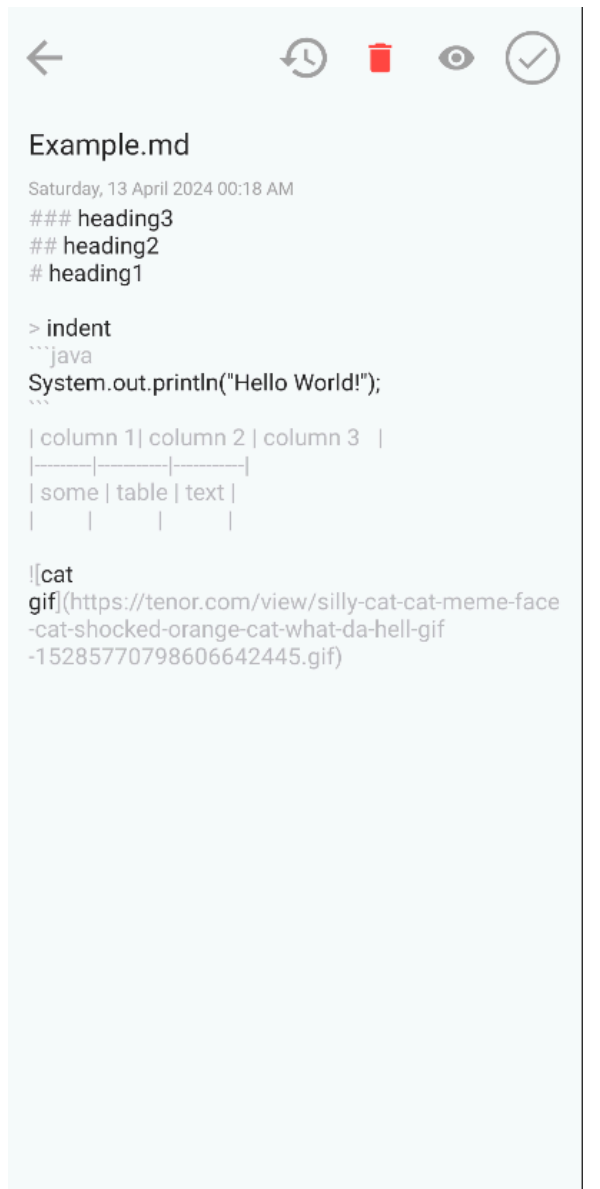
On the app, to create a new file click the plus icon on the bottom right of the screen. This will take you to the create file page, where you can set the title of your file, and enter content. To save a file you click the tick icon on the top right of the screen.

Web:

To create a file on the web application click the new file button when inside a collection and you will see the above screen. Enter your file title along with the content on the left page and when you are happy click create.

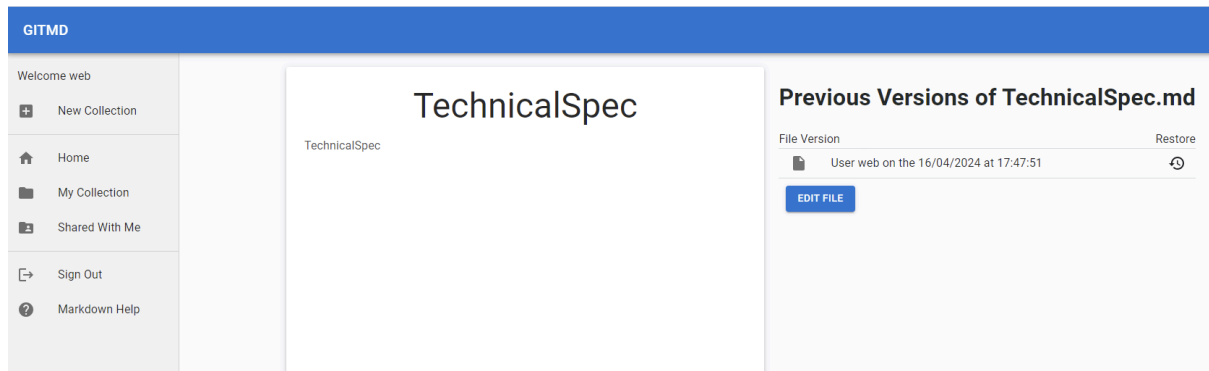
Edit file

Mobile:

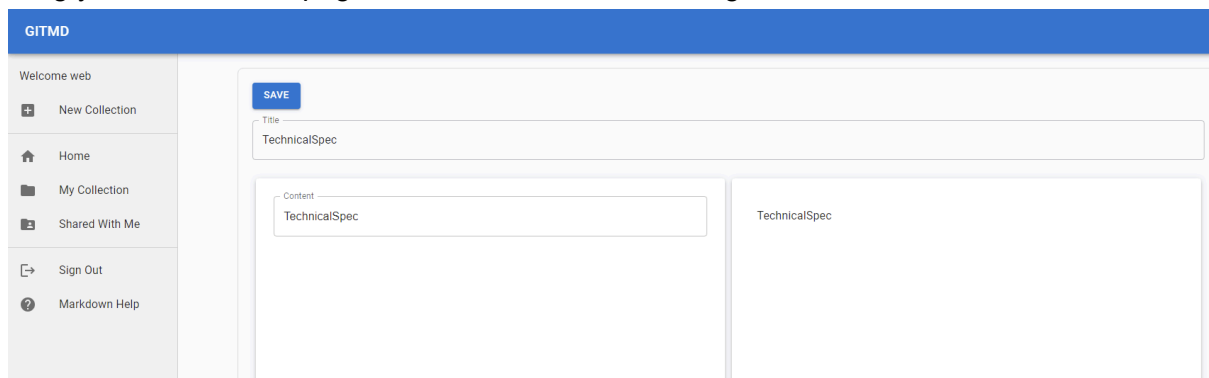


On the app, to edit a file, click on the file you want to edit from the files list. This will open the edit file page where you can make edits to the content of the file and save them the same as you would a new file. If you wish to delete a file you can do so from the edit file page by clicking the delete icon and confirming you would like to delete the file.

Web:



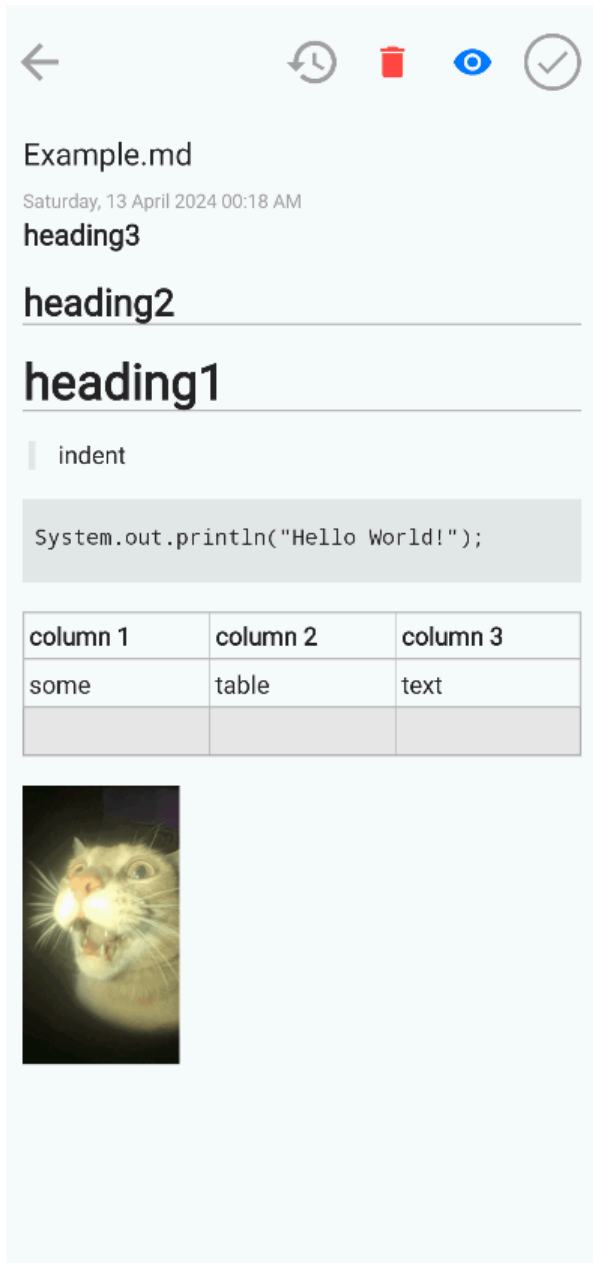
To edit a file on the web application you click on the desired file within a collection which will bring you to the above page. Next click edit file on the right of the screen.



This will bring you to a similar page as creating a file however the title and content fields will be already populated. Make any edit you wish and click save.

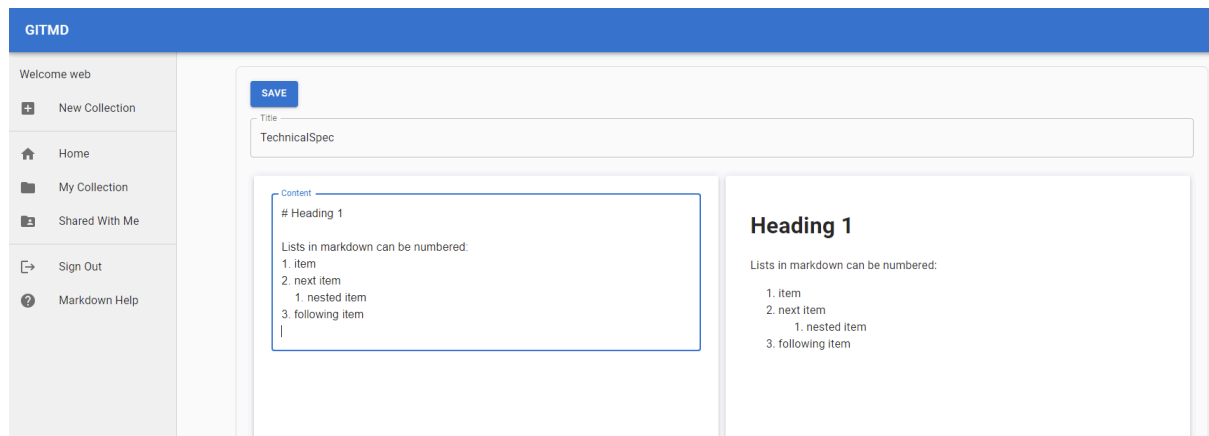
View formatted Markdown

Mobile:



On the app clicking the eye icon will render the text in a markdown format. Then clicking it again will let you make edits again.

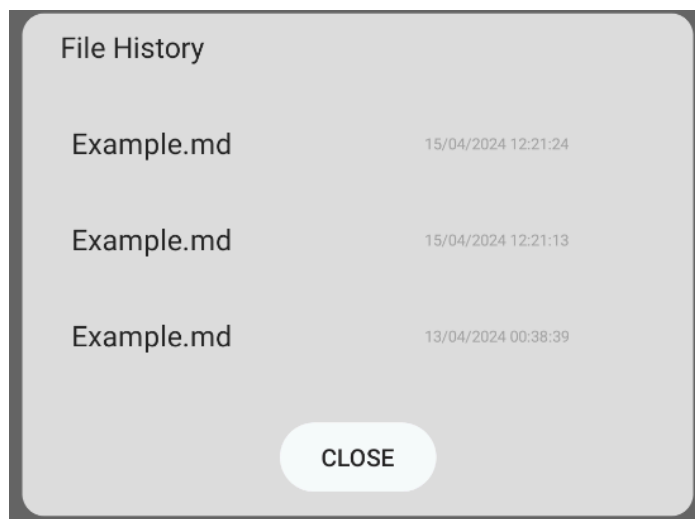
Web:



On the web application the content you enter is translated live to markdown on the page to the right of your file.

Restore old file versions

Mobile:



If you wish to restore an old version of a file you can do so from the edit file page by clicking the restore icon. This will open a dialog displaying timestamps of previous versions, if you click one of these timestamps it will display the file content saved at that time.

←

↺

Previous Content

18/04/2024 at 01:53:01

Example

heading2

heading3

dfgdfgd

```
System.out.println("text");
private String something = "some text";
```

fsdsfsd	sdfsdfsd f	sdfsdf		
sdfsdfs	sdfsdfsd f	sdfsdfsd f		



gdfgdfgdfgdfgdfg

Clicking the restore icon will revert the file back to that version and bring you back to the edit file page.

Web:

GITMD

Welcome web

+ New Collection

🏠 Home

📁 My Collection

👤 Shared With Me

🚪 Sign Out

🔗 Markdown Help

TechnicalSpec

Heading 1

Lists in markdown can be numbered:

1. Item

2. next item

1. nested item

3. following item

Previous Versions of TechnicalSpec.md

File Version	Restore
📄 User web on the 20/04/2024 at 23:44:17	↺
📄 User web on the 16/04/2024 at 17:47:51	↺

EDIT FILE

To restore a file to a previous version on the web application click on the file in a collection, then select the version you wish to go back to which will show you a preview of the old version. When you are happy to restore, click the restore icon beside the version you wish to keep.