Update on GitHub Repository and User Manual

Abstract:

The SC group at its last SC08 meeting expressed the preference to use the GitHub Team Plan as a non-profit organization. The Secretariat officially submitted the application for the GitHub Nonprofit Plan on 5 Feb 2024. However, the Secretariat was informed that due to a high volume of tickets, the approval process may be delayed. The secretariat will continue to try to get the approval from GitHub for the use of the Nonprofit Team Plan.

As a contingency plan, the Secretariat has established a GitHub Free Plan, which will be used until the GitHub Nonprofit Team Plan is secured.

Current User Summary: Currently, 6 Members, Invited Expert and Secretariat are active within this group.

Member	Name	Number
CANADA	Chris ROOPER	1
CHINA	Qiuyun MA, Libin DAI, Heng ZHANG	3
EU	Karolina MOLLA GAZI	1
JAPAN	Kazuhiro OSHIMA, Momoko ICHINOKAWA, Shota NISHIJIMA, Akihiro MANABE, Ken ISHIDA	5
RUSSIA	Vladimir VLADICON	1
USA	Erin BOHABOY	1
Invited Expert	Joel RICE	1
Secretariat	Sungkuk KANG	1
Total	CANADA, CHINA, EU, JAPAN, RUSSIA, USA, Invited Expert, SECRETARIAT	14

At the SC08 meeting, it was also requested that the Secretariat develop user guidelines for the Git Repository in collaboration with Members. The Data Coordinator has prepared a user manual outlining basic steps for utilizing the Git Repository. This manual is attached as Annex A and will also be available on the NPFC website. It can be continuously enhanced based on further comments and suggestions from Members.

Repository Access Details:

Members of the CMSA Group have the ability to view, edit, and delete code files in the CMSA Repository.

Repository Management:

Members are encouraged to share their code by creating sub-folders (child folders) under the CMSA (Main) Repository, rather than creating separate repositories. Since other groups such as BF-ME or Pacific Saury may also need their own repositories under the North-Pacific-Fisheries-Commission group, it is ideal for each group to manage their code files by creating sub-folders under its main repository. This recommendation comes from the EU and the Secretariat. For technical assistance or the need for additional repositories, please contact the Data Coordinator at skang@npfc.int.

Repository Structure:

Please refer to the screenshot below.
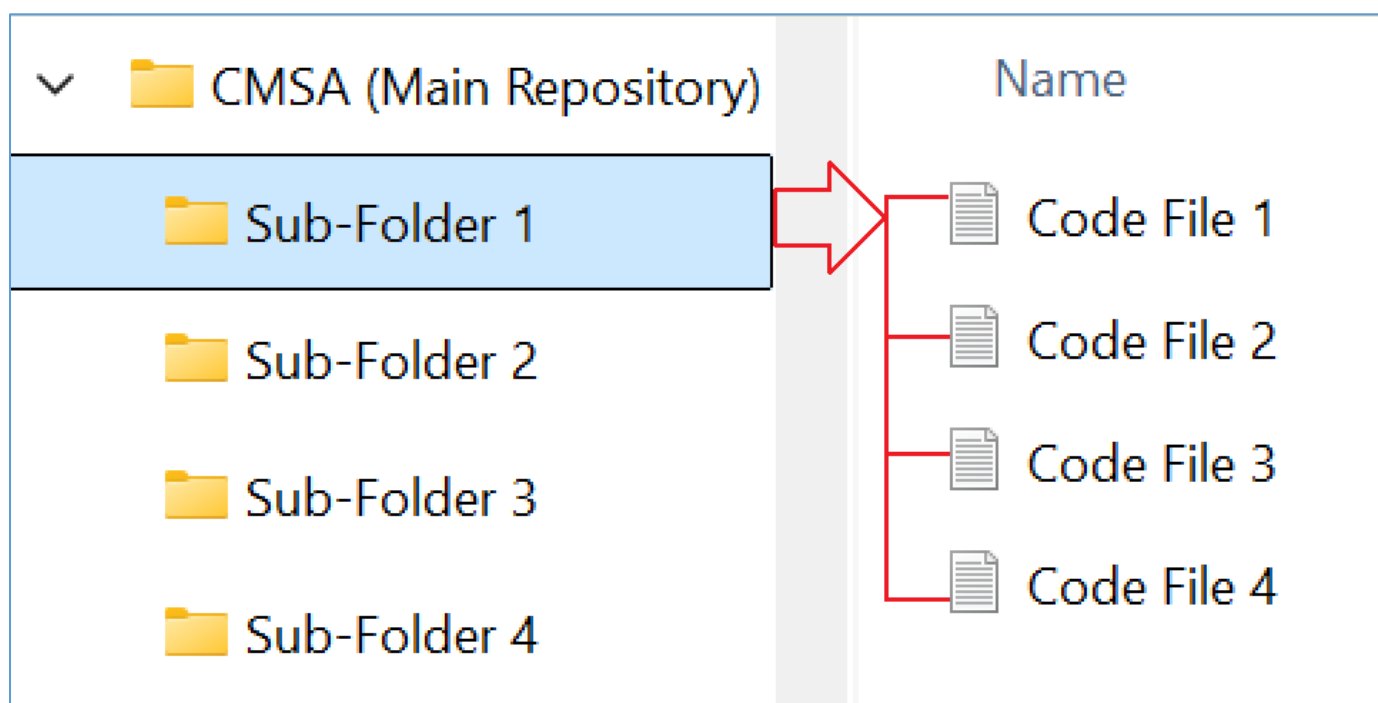
GIT Repository User Manual

Interacting with the GIT Repository on GitHub:

- GitHub Web
- GitHub Desktop Application
- GitHub Command Line

This manual will focus on using the GitHub Web and GitHub Desktop Application.

1 Create a GitHub account.

1.1 Create your account on the GitHub website (https://github.com/)

1.2 Provide your full name and email address associated with your GitHub account to the Data Coordinator for access to the CMSA Repository, following an example below.

- Full name: Sungkuk KANG
- Email address: skang@npfc.int

Upon submission of your details, you will receive an invitation to join The-North-Pacific-Fisheries-Commission group (https://github.com/The-North-Pacific-Fisheries-Commission) and access the CMSA Repository (https://github.com/The-North-Pacific-Fisheries-Commission/CMSA/).

2 GitHub Web

2.1 Upload files into the CMSA Repository

Visit the CMSA Repository (https://github.com/The-North-Pacific-Fisheries-Commission/CMSA/), and click on "Upload files" under the "Add file" menu, and choose the relevant files or folders from your local PC.
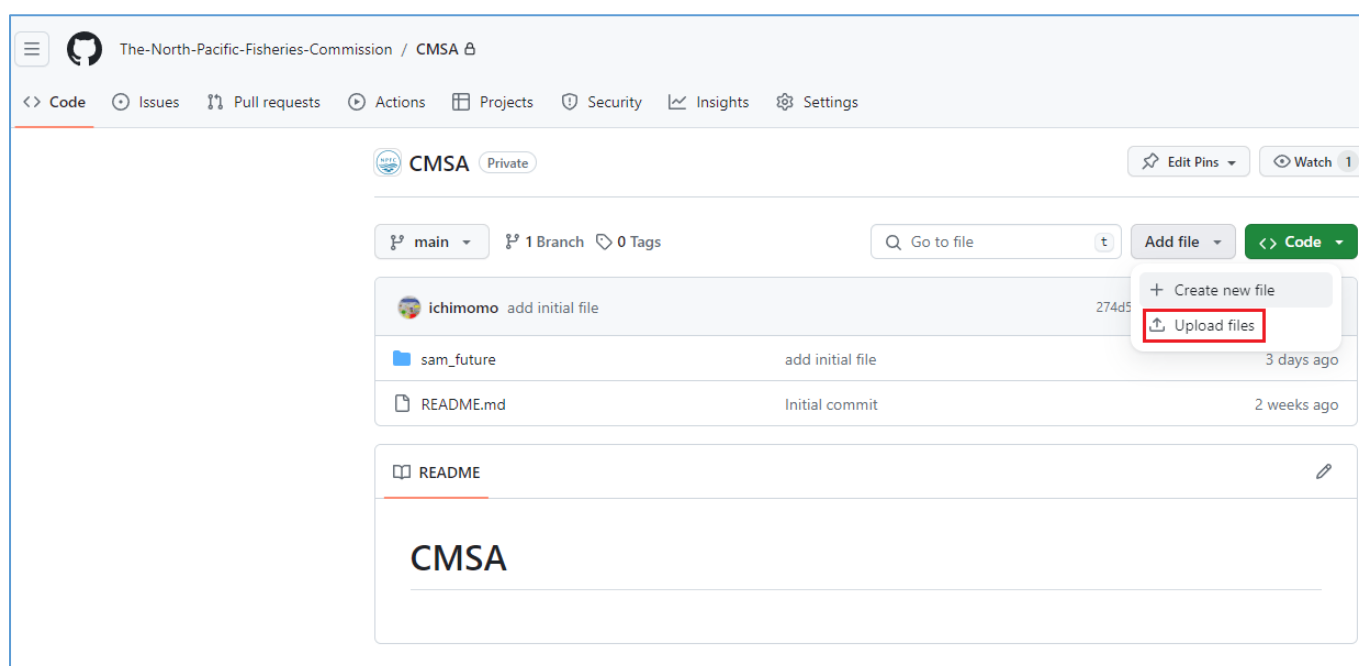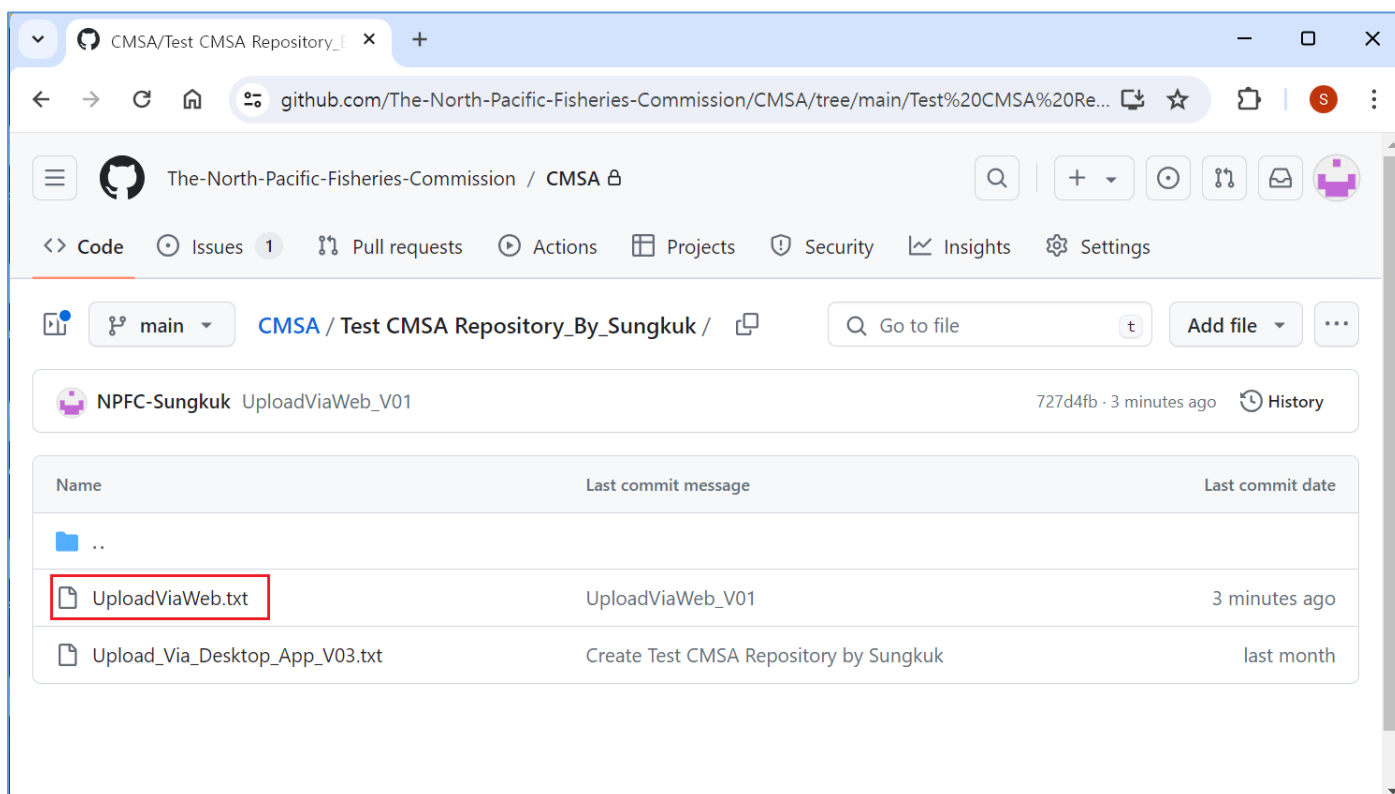
Drag files to the "Drag additional files here to add them to your repository". Enter commit details in the "Commit changes" and confirm by clicking on the "**Commit changes**" button.
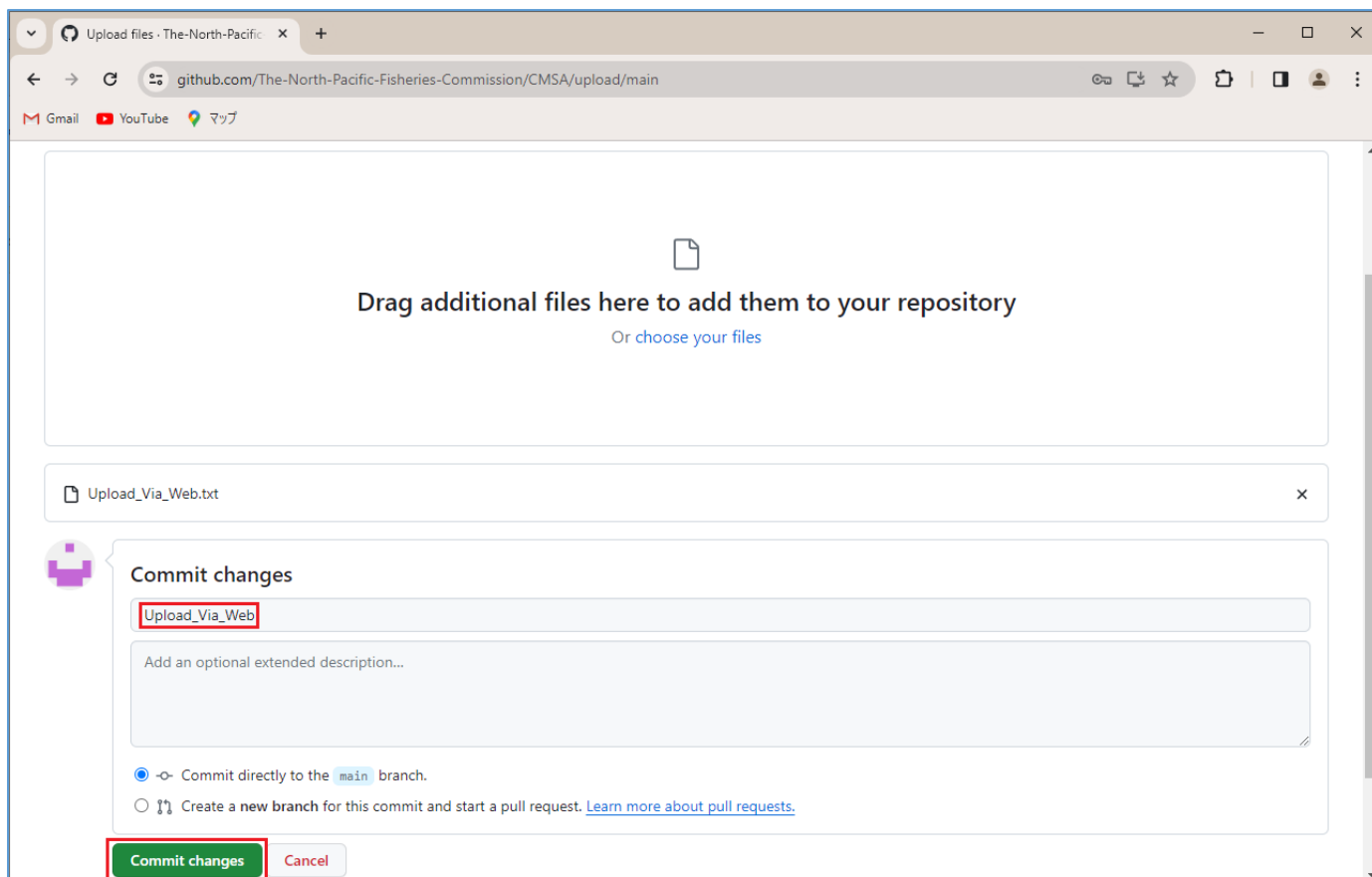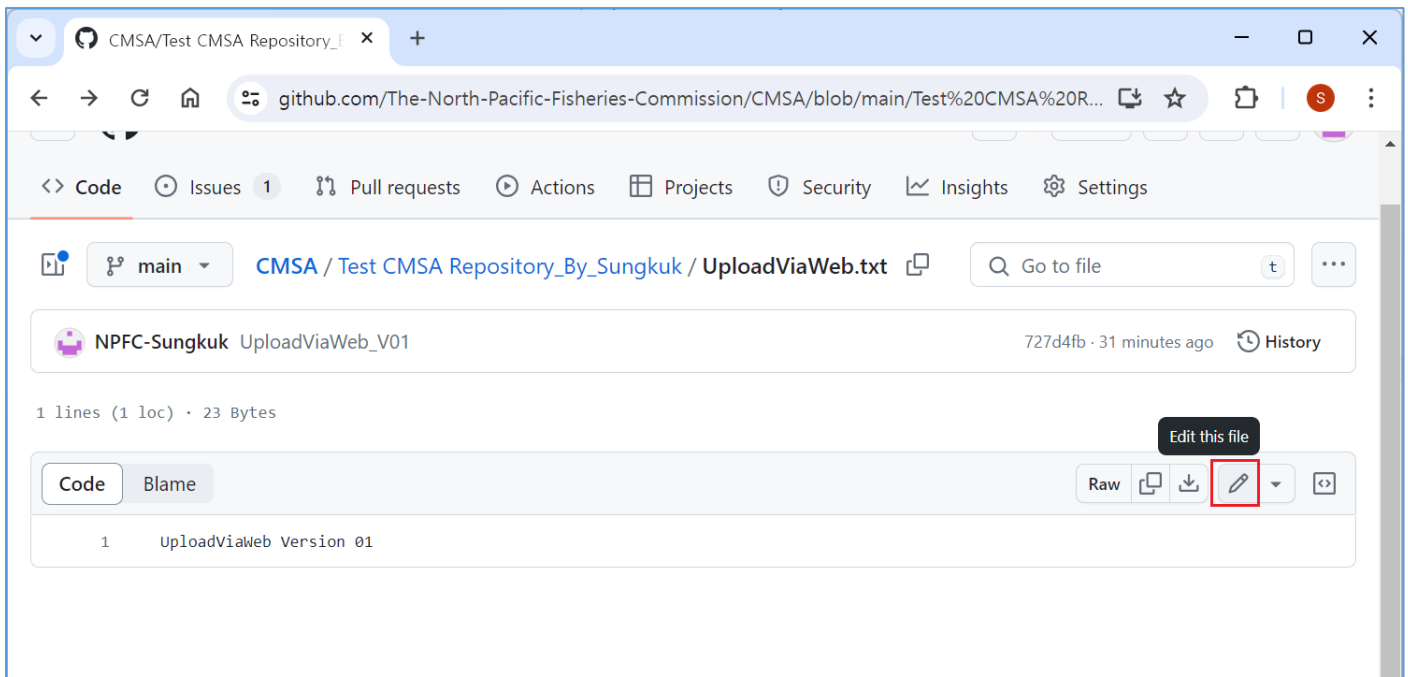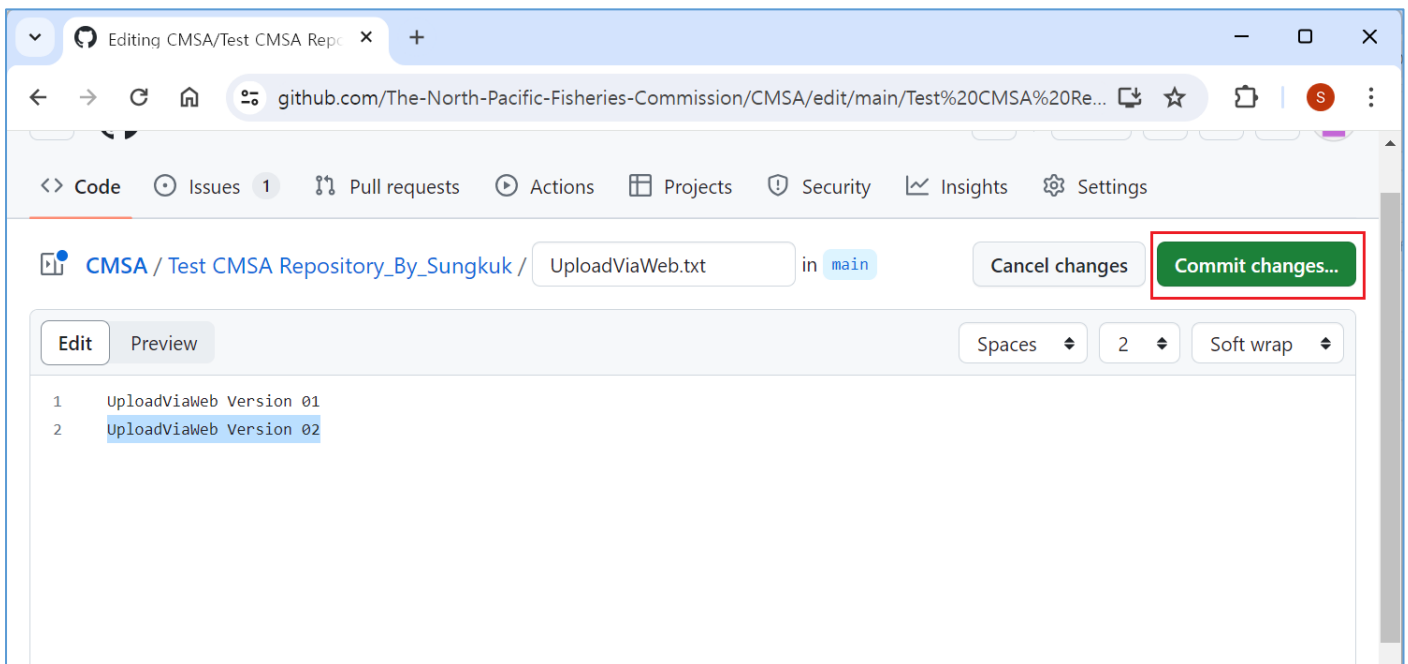

2.2 Edit and update the existing file

Click on the file you would like to edit.
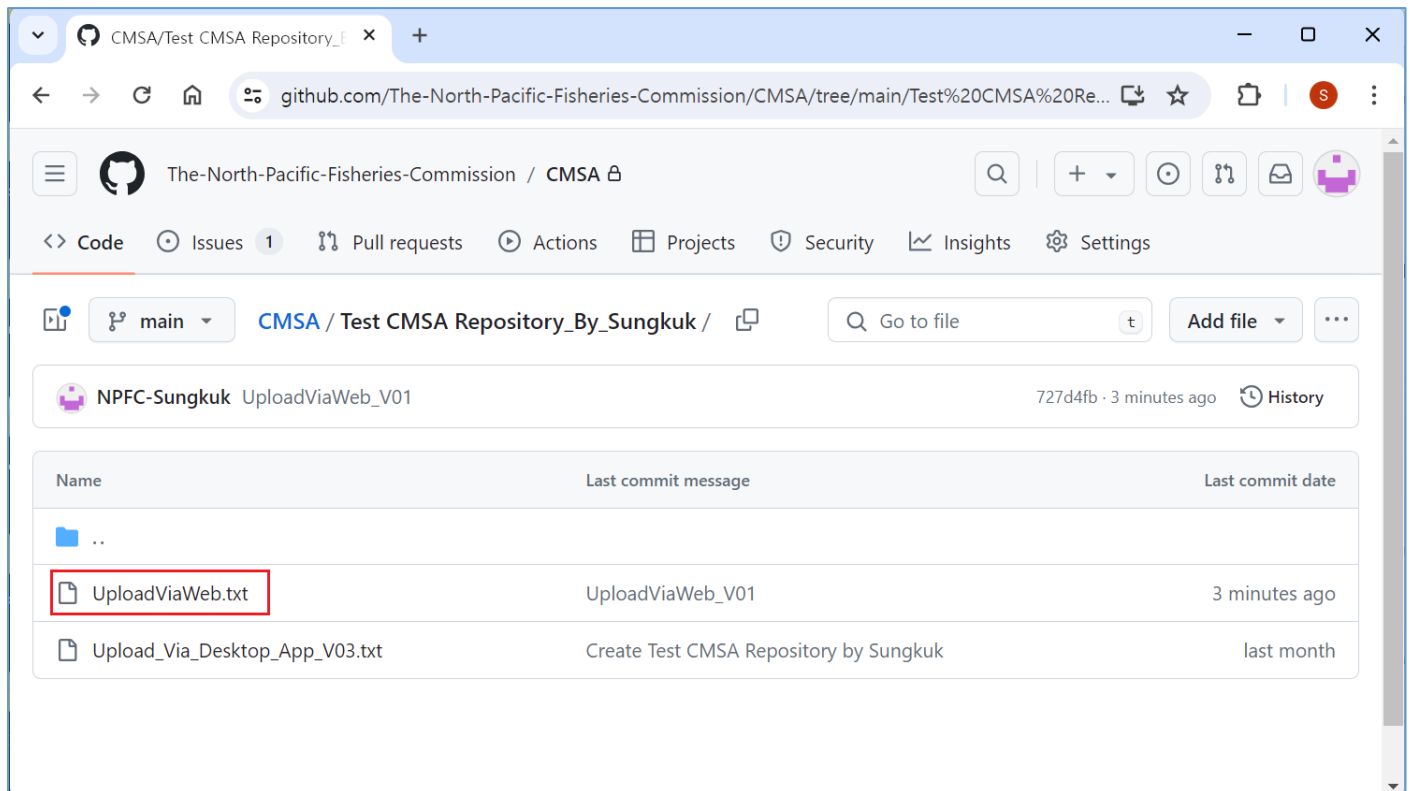
Click on the pencil icon.

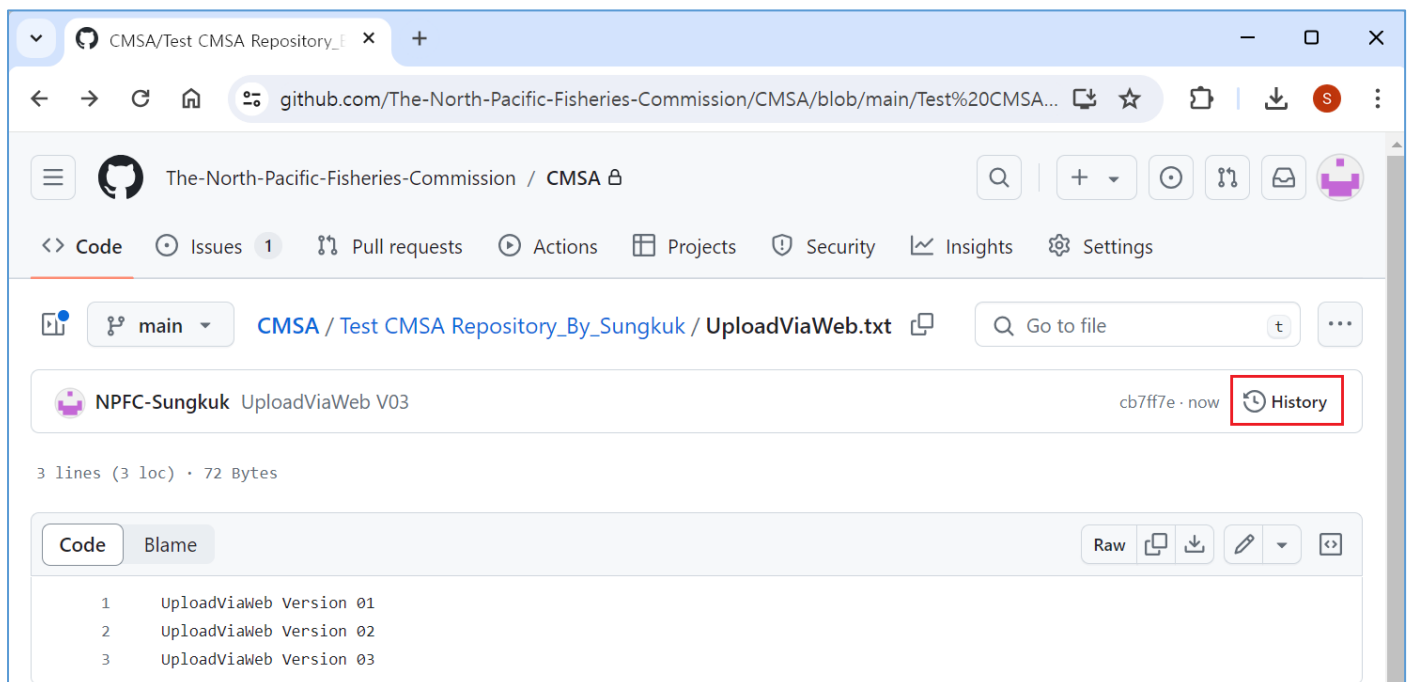Edit your code and click on "**Commit changes**" button.
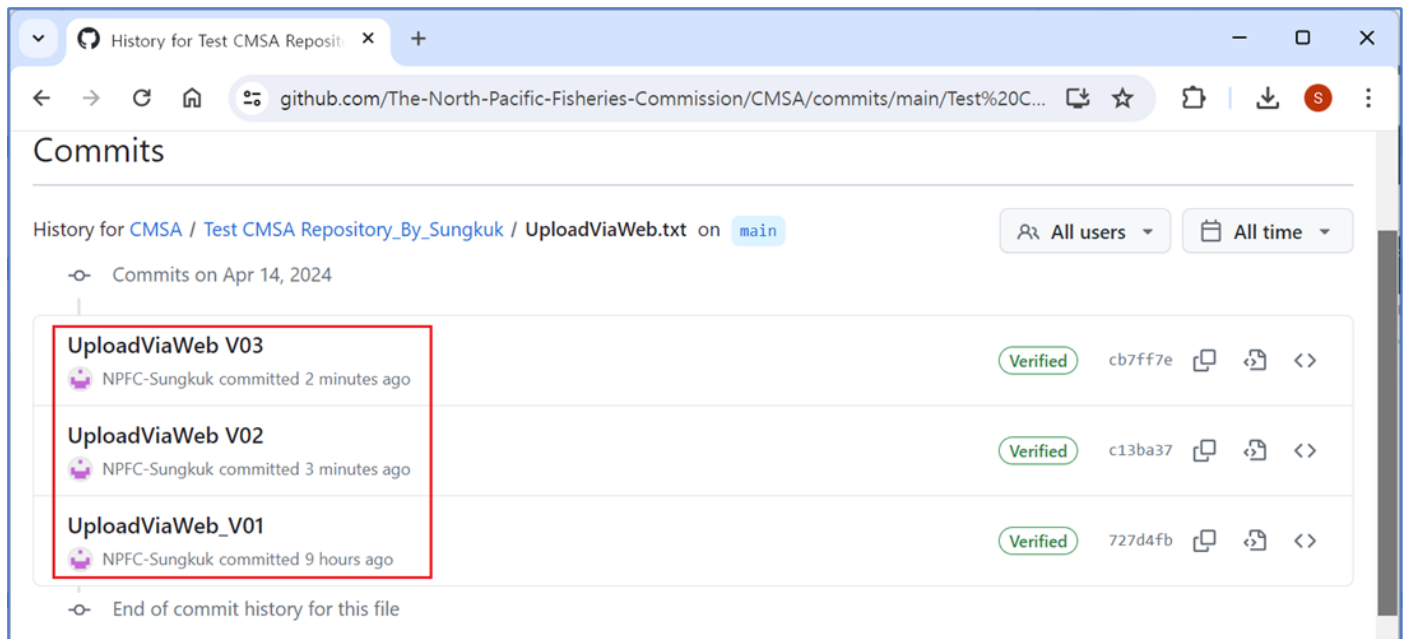
2.3 Review the Version History

Click on the file you want to review.

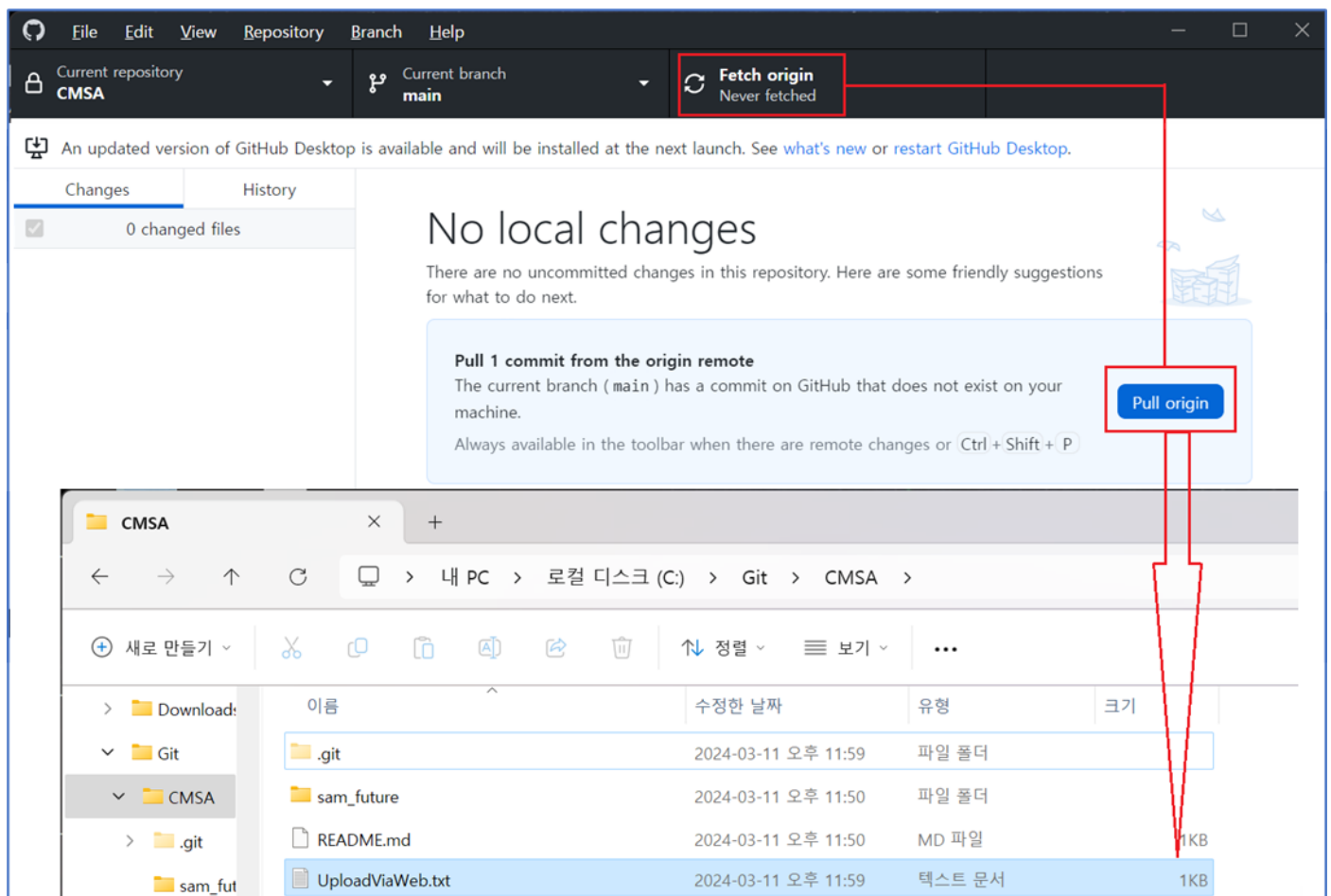Click on the "History" button.

You can check the version history by clicking each file version.

## 2.4 Synchronize updates to your Local PC Repository.

Go to your Desktop App and click the "Fetch origin", and then click the "Pull origin" button. This action will pull the file or any updates from the GitHub Website Repository to your local PC by synchronizing the latest updates from the GitHub Web Repository.
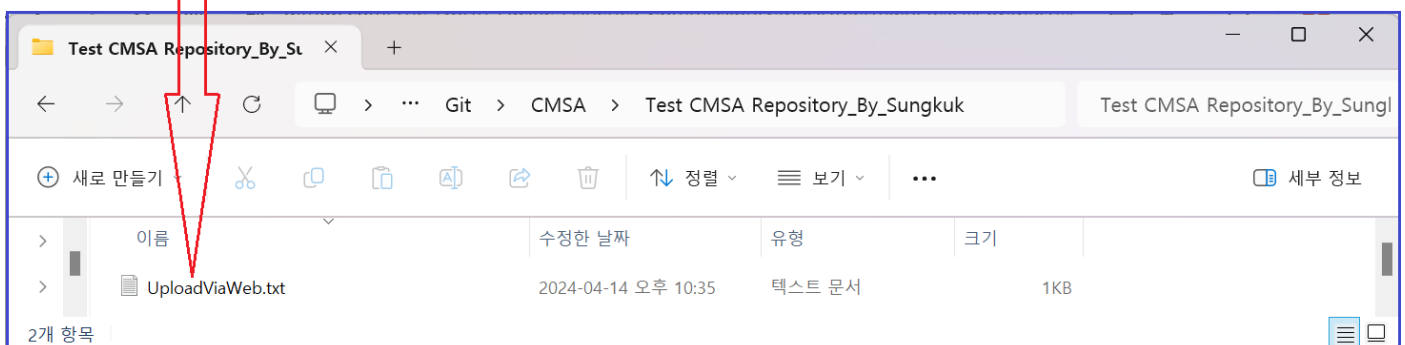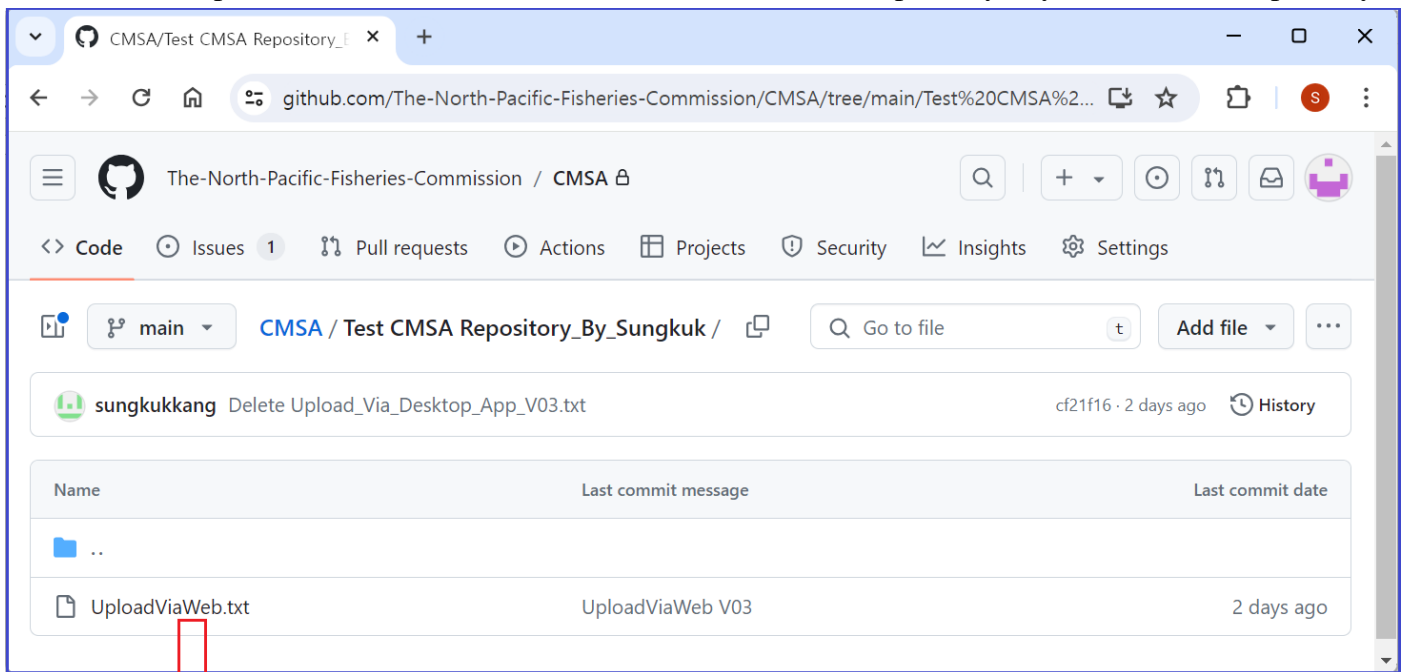
3 GitHub Desktop Application

3.1 Download and install the Desktop Application (https://docs.github.com/en/desktop/installing-and-authenticating-to-github-desktop/installing-github-desktop).

3.2 Clone the CMSA Web Repository to your desktop by pasting its URL of the GitHub Web Repository and setting the local path into your Designated Local Folder.
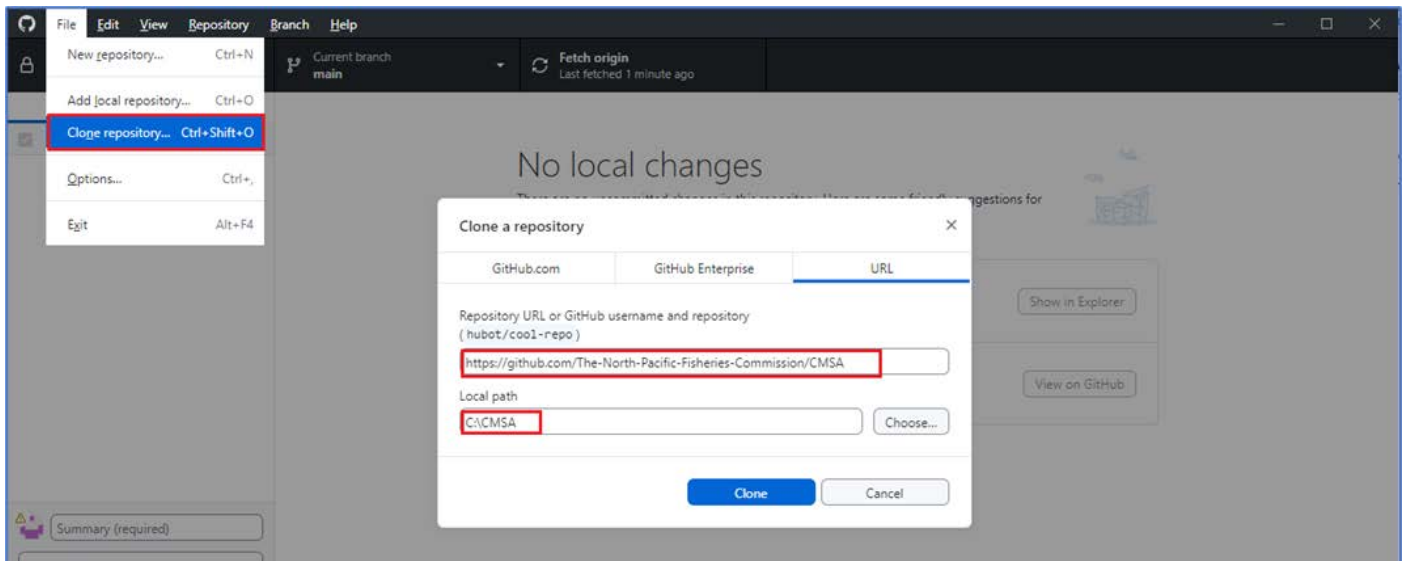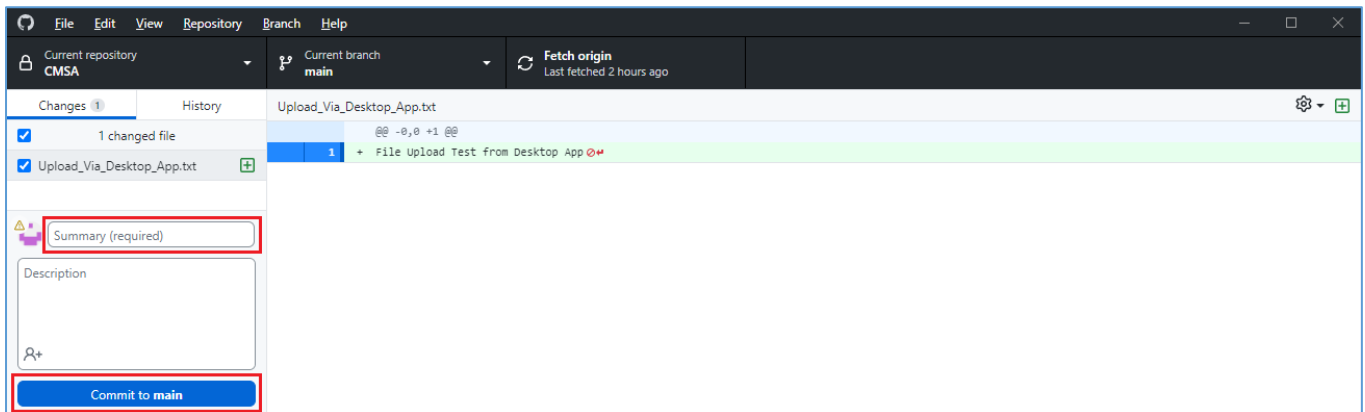

This action will pull all the files and folders from the GitHub Web Repository to your Local PC Repository.

3.3 Transfer your files or folders to the designated local folder.

3.4 Go to your GitHub Desktop Application and summarize your changes in the "Summary (required)" textbox and click "Commit to main" button.
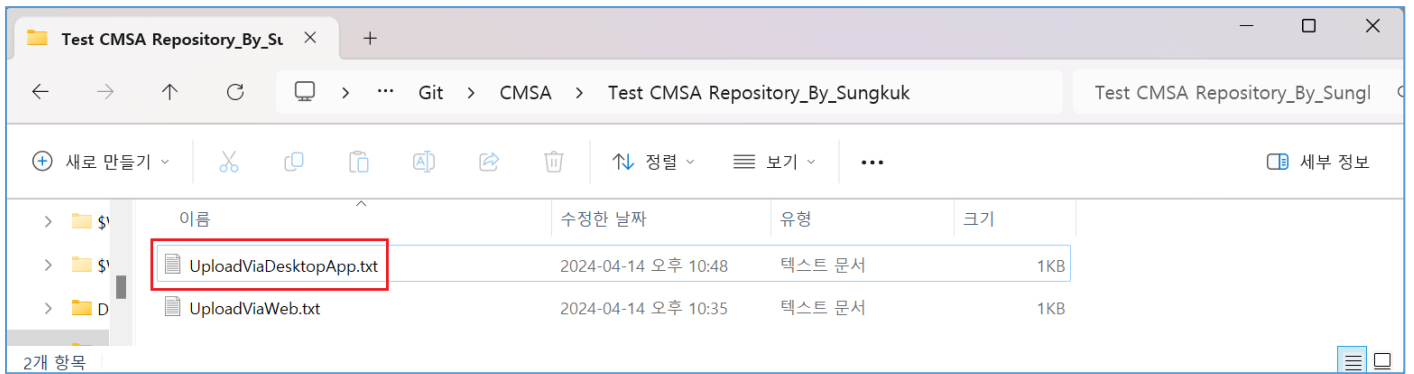

3.5 Click the "Push origin" button to push your code data file to the GitHub CMSA Web Repository. This action will push the file or any updates from your Local PC Repository to the GitHub Web Repository by synchronizing the latest version of your Local PC Repository with the GitHub Web Repository.
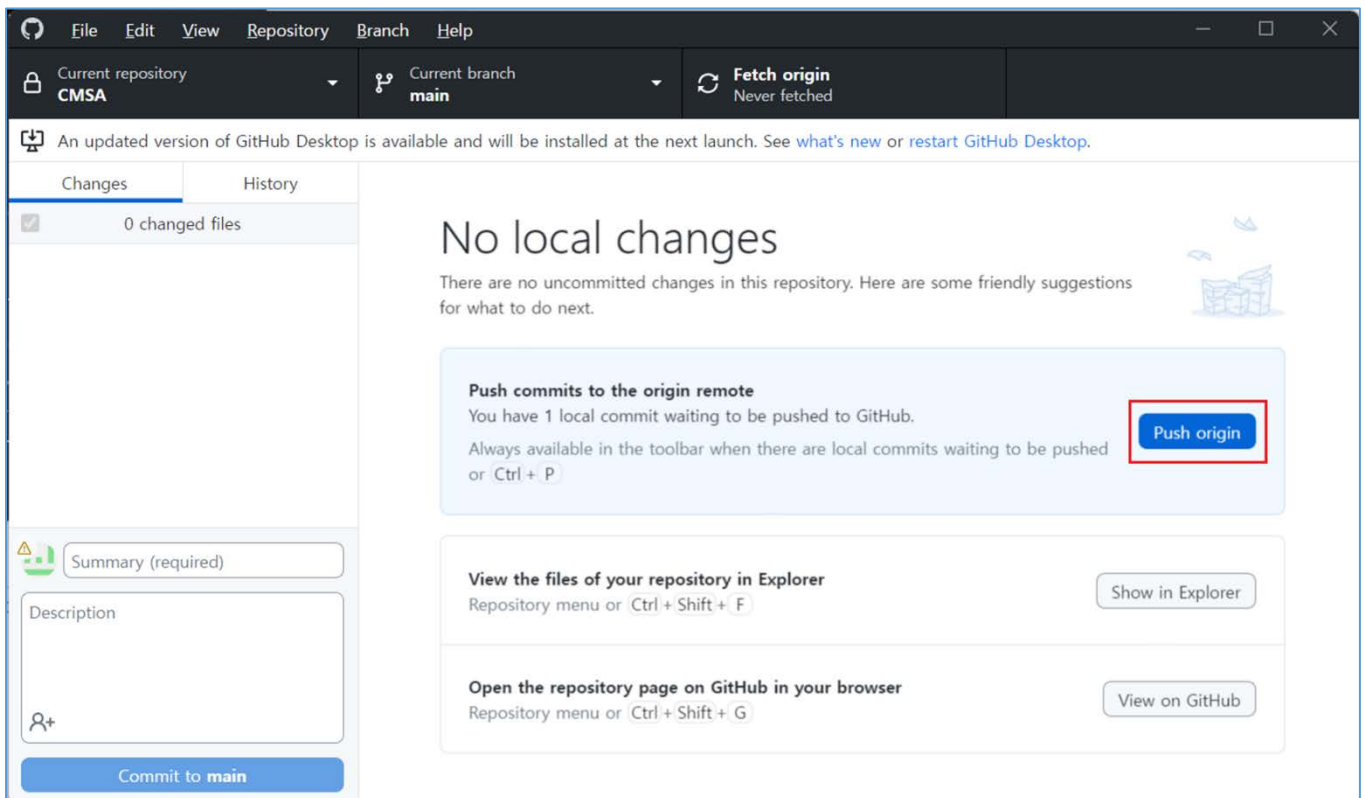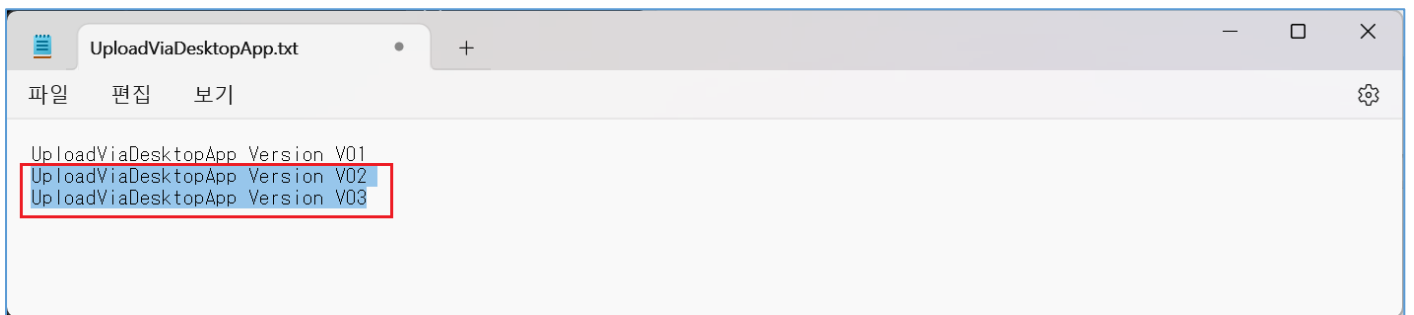
3.6 Edit and update a file

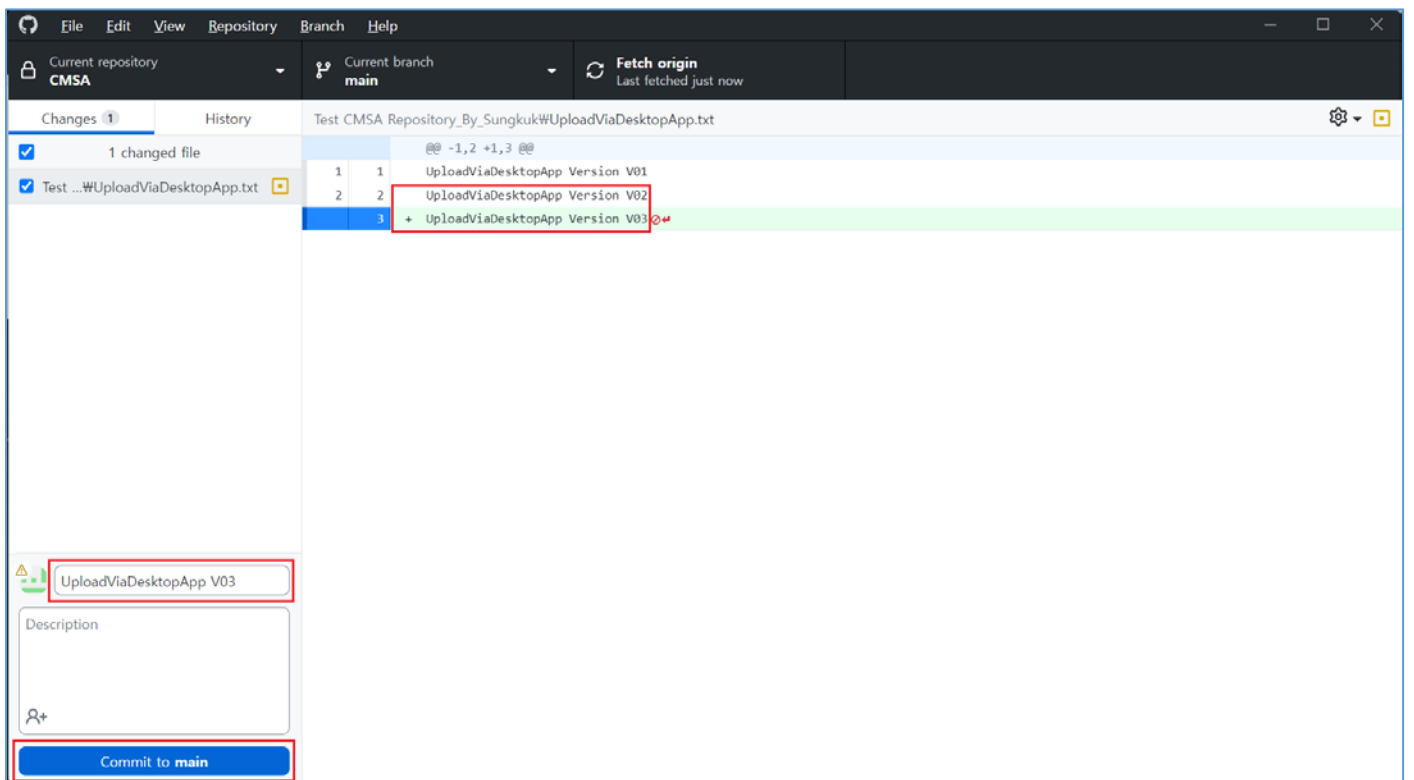Open your file from in your Local Repository.

Edit, update, and save your file.

Go to Your GitHub Desktop Application and the App will automatically find the update.

Please type the Commit Title in the "Summary (required)" textbox and click on the "Commit to main" button.

3.7 Reflect Version Changes from your Local Repository to the Web Repository.

Please click on the "Push origin" button to apply your local code file update to the cloud (GitHub Web Repository). This action will push the file or any updates from your Local PC Repository to the GitHub Web Repository by synchronizing your Local Repository with the GitHub Web Repository.
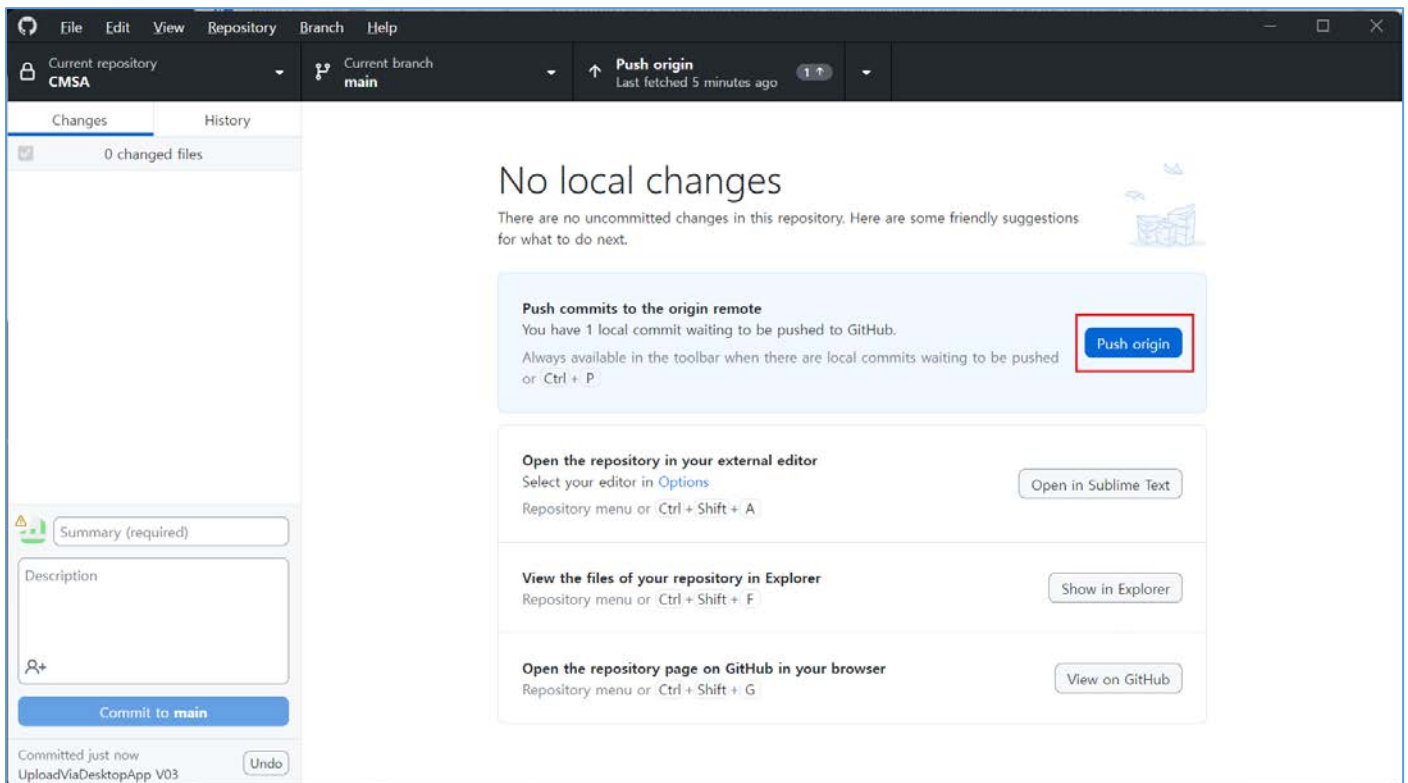
4. GitHub Command Line

For more details on command line usage, visit the following links. GitHub CLI Manual or view tutorials like GitHub CLI Tutorial.

- **GitHub CLI Manual:** https://cli.github.com/manual/

- **GitHub CLI Tutorial:** https://www.youtube.com/watch?v=HVsySz-h9r4