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# Setup a GitHub repository

## Make an account:

1. Go to:

<https://github.com/>

1. Login or create a new account.

## Download GitHub:

1. Go to:

For Macs: <http://mac.github.com/>

For Windows: <http://windows.github.com/>

1. Download GitHub (GUI or Bash shell or both)

## Connect to Repository:

1. Ask Kimi to add you as a collaborator.
2. Search for:

kaoyama/MCMProject

1. Clone the repository to your machine; there should be a GitHub directory that it will be cloned to.

# Modify Files

## Modifications

You can modify the content of any file in the repository. If you make changes or remove a file that you didn’t mean to, you can do a revert.

The following command will revert your working copy, all the changes you’ve made, to the most recent commit.

git reset --hard HEAD

## Add Files to GitHub

If you want to add new files to your local GitHub repository use the following command in the GitHub bash command window:

git add fileName1 fileName2 …

## Delete Files from GitHub

In order to remove a file from the GitHub repository use the following command:

git rm fileName1 fileName2 …

## Updating Working Copy

Before you make any changes and before you commit any changes you need to update your working copy.

From the GitHub bash command line type:

cd pathToGitHubDirectory/MCMProject

git pull

Or

From the GitHub GUI, click on the  button on the top of the window, it has the same functionality as git pull. (This applies before you have commit any changes)

## Commit Changes

Once you have modified, added, and removed the appropriate files, you need to commit them to your local GitHub before you can sync them with the main repository. A commit message is mandatory.

To do this, type the commands:

cd pathToGitHubDirectory/MCMProject

commit –m “commit message, description of changes made.”

Or

From the GitHub GUI you can view your changes and commit them with a message.

## Sync Changes with master

After your changes are committed to your local GitHub, you need to sync them with the master repository. The sync button mentioned in the update section will do this or you can use the command:

git push origin master