Prerequisites:

* All team members must have GitHub accounts
* Install Git on your machine: <https://git-scm.com/downloads>
* Setup SSH Key  
  <https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent>
* Add SSH key

<https://docs.github.com/en/authentication/connecting-to-github-with-ssh/adding-a-new-ssh-key-to-your-github-account>

# GitHub workflow

In order to work on a repository, this is the workflow GitHub recommends:

1. Create a branch
2. Make changes
3. Create a pull request
4. Merge your pull request
5. Delete your branch

# Steps

1. Go to Git Bash here or Terminal:

Verify git installation using git --version. You should see a message like this



1. Create a Repository using GitHub:

Repository Tab -> New Repository

1. Add Collaborators:

Go to your repo -> Settings -> Manage Access -> Add Collaborators using their email/username

1. Create different branches for different collaborators line:
   1. Web Interface

Go to your repo -> main branch-> branch dropdown -> write a name for new branch -> Create branch from main

* 1. Command Line

$ git checkout -b branch\_name

(To go to existing branch: $ git checkout existing\_branch\_name)

List all branches locally:

$ git branch

List all branches remotely:

$ git branch -r

1. Add files
   1. Web Interface

Add files -> Upload files -> Choose your files -> Add a commit message to reflect the change you are making -> chose branch -> commit changes

* 1. Command line:

After making changes/adding files in your working directory, follow these steps:

1. Check status

$ git status

1. Add files to staging area

$ git add . --all

1. Check status again to make sure all the files(new/modified) are staged correctly
2. Commit your changes

$ git commit -m "Adding Doumentation"

1. Check status again to see there are no new changes to be committed
2. Push the changes to your repo:

$ git push <Or>

$ git push --set-upstream origin branch\_name

1. Merge Changes to Main Branch

Go to your repo on GitHub -> Compare and Pull Changes -> Add Comments -> Create Pull request

On the Pull request, click on Merge Changes and once they are merged you can optionally delete the branch if it’s no longer required