

How create branch and folder name in GitHub through Git Bash

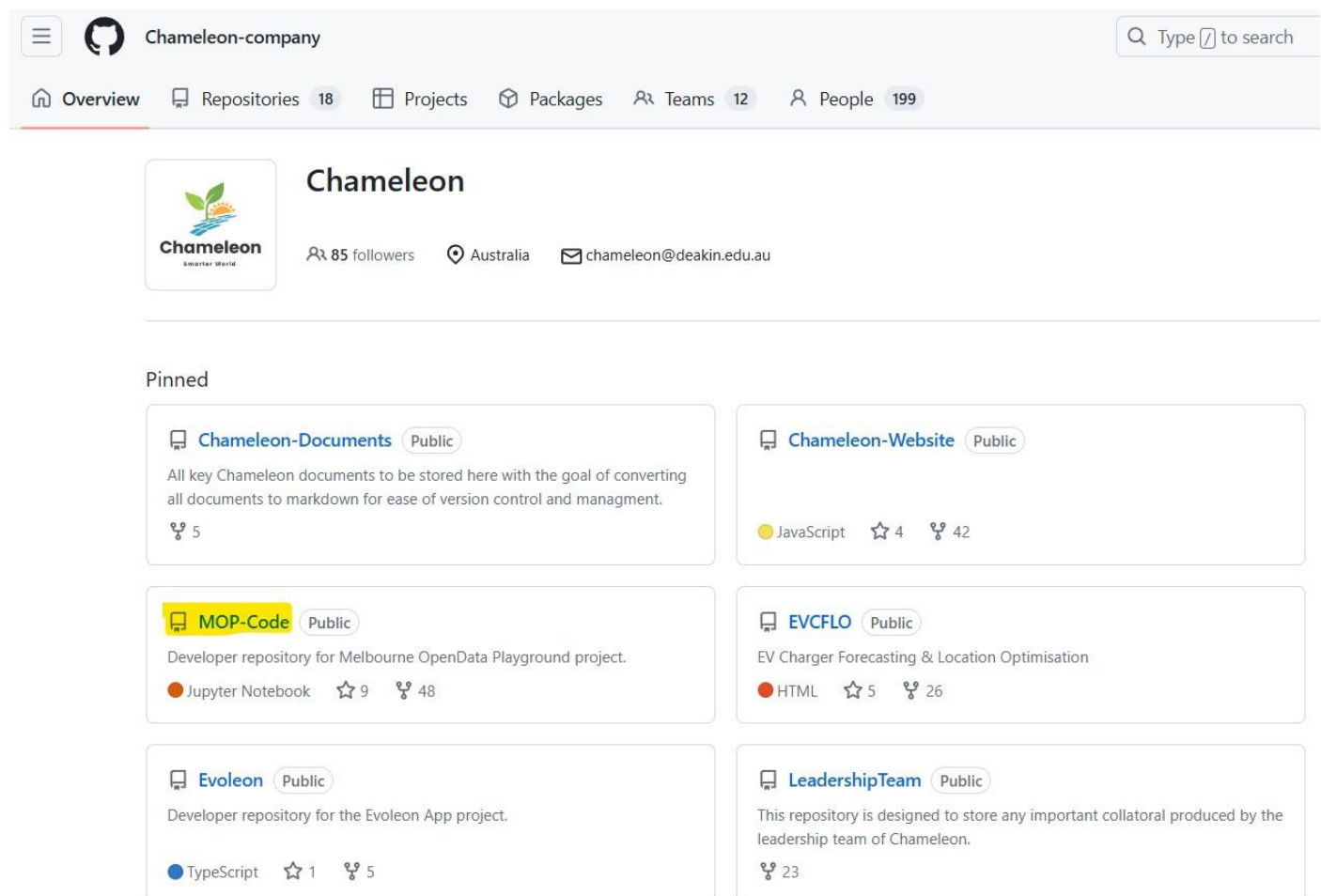
This documentation was made to demonstrate how to create your branch and folder in GitHub through Git Bash. This documentation shows the steps using Windows 10.

Steps to follow to create branch and folder name in GitHub through Git Bash

Step 1: Go to the MOP-Code Repository

Chameleon GitHub: <https://github.com/Chameleon-company>

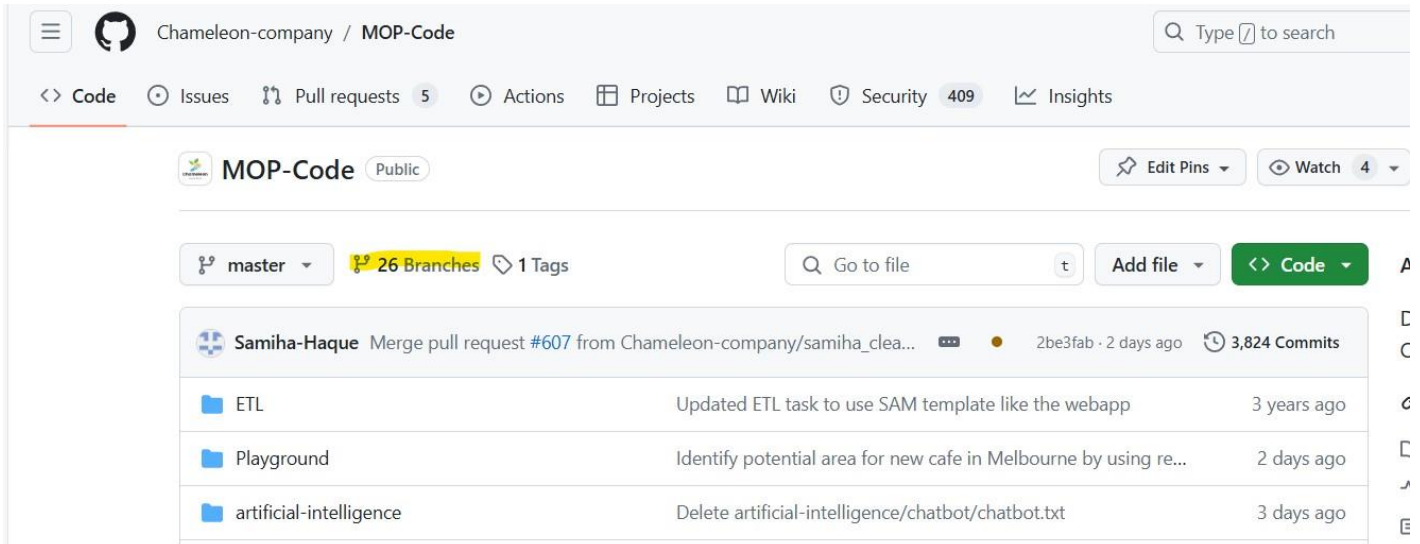
Then select MOP-Code.



The screenshot shows the GitHub profile page for 'Chameleon-company'. The header includes the GitHub logo, the username 'Chameleon-company', and a search bar. Below the header is a navigation bar with links to Overview, Repositories (18), Projects, Packages, Teams (12), and People (199). The main content area displays the profile for 'Chameleon', which includes a profile picture, the name 'Chameleon', 85 followers, a location in Australia, and an email address 'chameleon@deakin.edu.au'. Below the profile information is a 'Pinned' section showing six repositories:

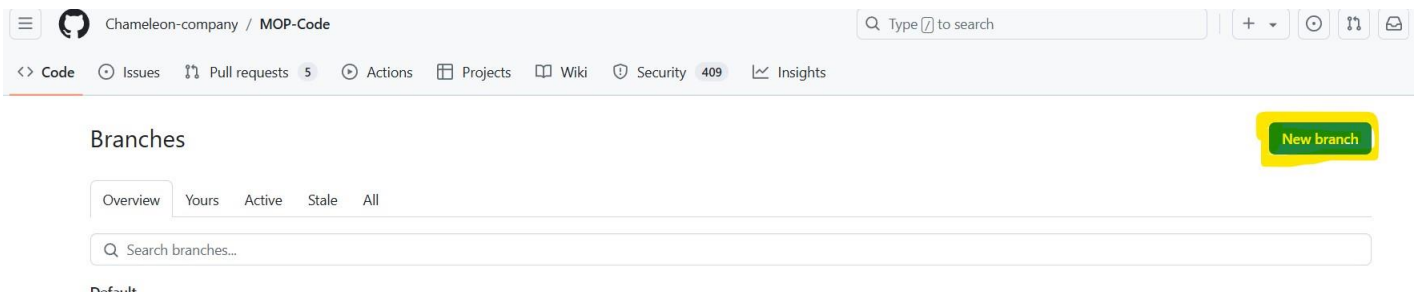
- Chameleon-Documents** (Public): All key Chameleon documents to be stored here with the goal of converting all documents to markdown for ease of version control and management. 5 forks.
- Chameleon-Website** (Public): JavaScript, 4 stars, 42 forks.
- MOP-Code** (Public): Developer repository for Melbourne OpenData Playground project. Jupyter Notebook, 9 stars, 48 forks.
- EVCFlo** (Public): EV Charger Forecasting & Location Optimisation. HTML, 5 stars, 26 forks.
- Evoleon** (Public): Developer repository for the Evoleon App project. TypeScript, 1 star, 5 forks.
- LeadershipTeam** (Public): This repository is designed to store any important collateral produced by the leadership team of Chameleon. 23 forks.

Step 2: Then select branches.



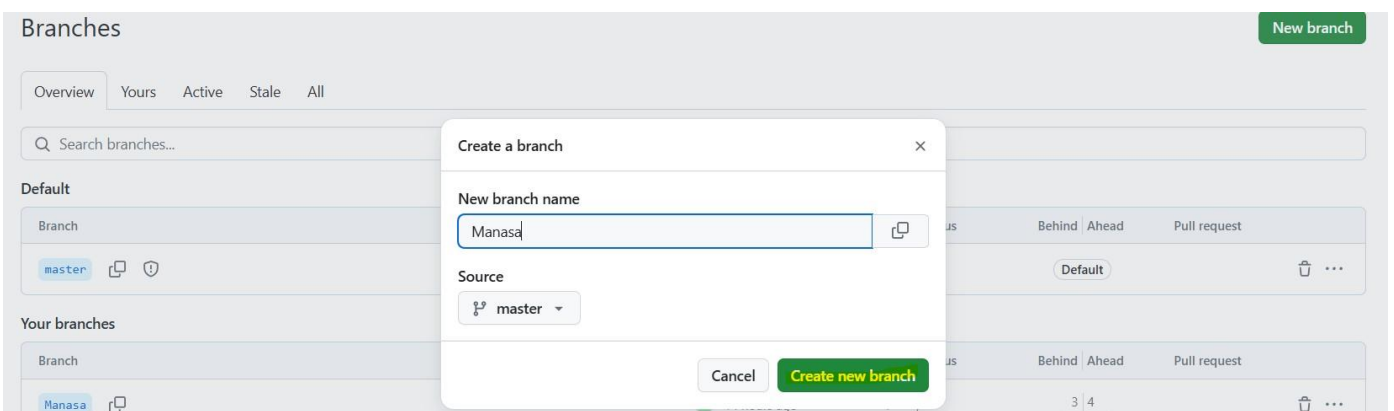
The screenshot shows the GitHub repository page for 'Chameleon-company / MOP-Code'. The repository is public and has 26 branches and 1 tag. The 'master' branch is selected. The repository has 3,824 commits and was last updated 2 days ago. The repository contains three folders: 'ETL', 'Playground', and 'artificial-intelligence'. The 'ETL' folder has a commit titled 'Updated ETL task to use SAM template like the webapp' from 3 years ago. The 'Playground' folder has a commit titled 'Identify potential area for new cafe in Melbourne by using re...' from 2 days ago. The 'artificial-intelligence' folder has a commit titled 'Delete artificial-intelligence/chatbot/chatbot.txt' from 3 days ago.

Step 3: Click to create a new branch.



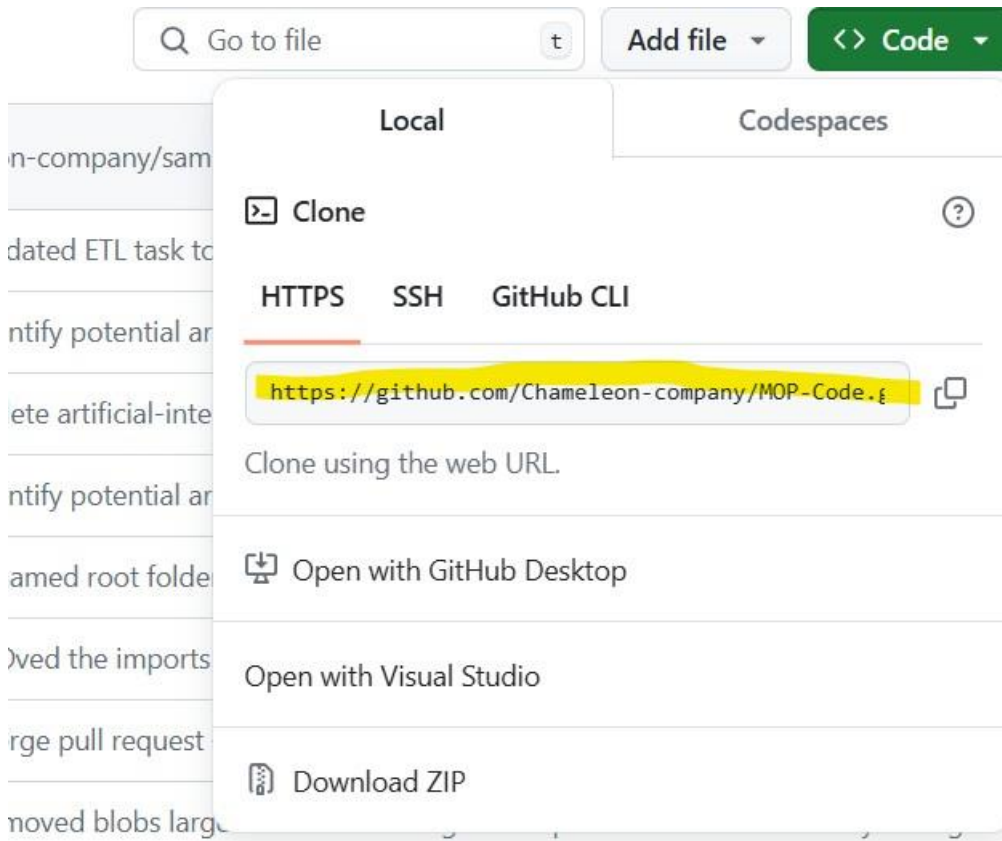
The screenshot shows the 'Branches' tab of the GitHub repository page for 'Chameleon-company / MOP-Code'. The 'New branch' button is highlighted in yellow. The 'Overview' tab is selected, and the 'Search branches...' input field is visible. The 'Default' section shows the 'master' branch as the default branch. The 'Your branches' section is empty.

Make sure you copied from the master and give your own branch name and click on create new branch.

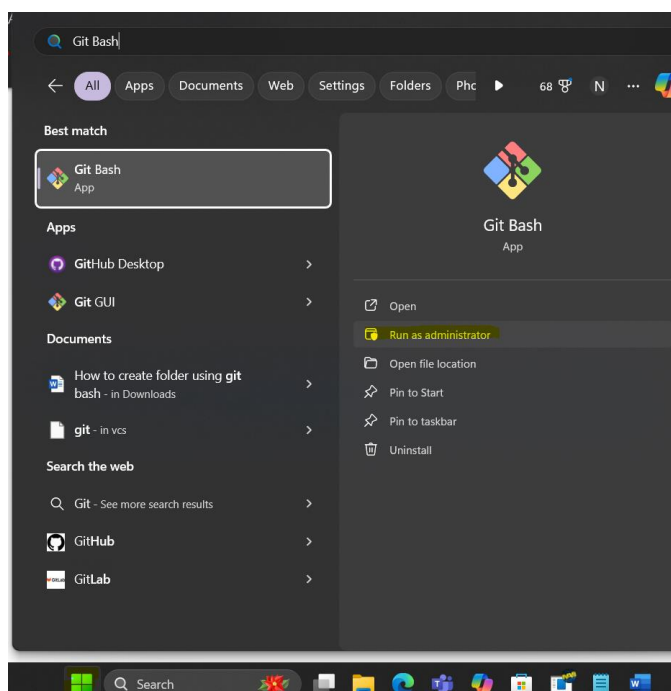


The screenshot shows the 'Create a branch' dialog box in the GitHub repository page for 'Chameleon-company / MOP-Code'. The dialog box is open, and the 'New branch name' input field contains the text 'Manasa'. The 'Source' dropdown menu is set to 'master'. The 'Create new branch' button is highlighted in green.

Return to the MOP-Code page and click Code and select the URL.



Step 4: Search 'Git Bash' in Windows Menu and Click on 'Run as Administrator'

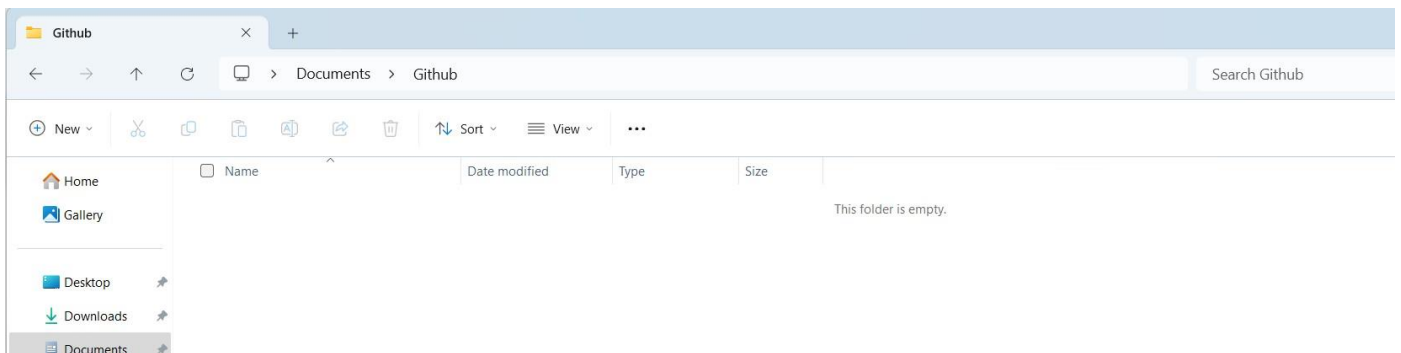


Run the command - 'git config --system core.longpaths true'

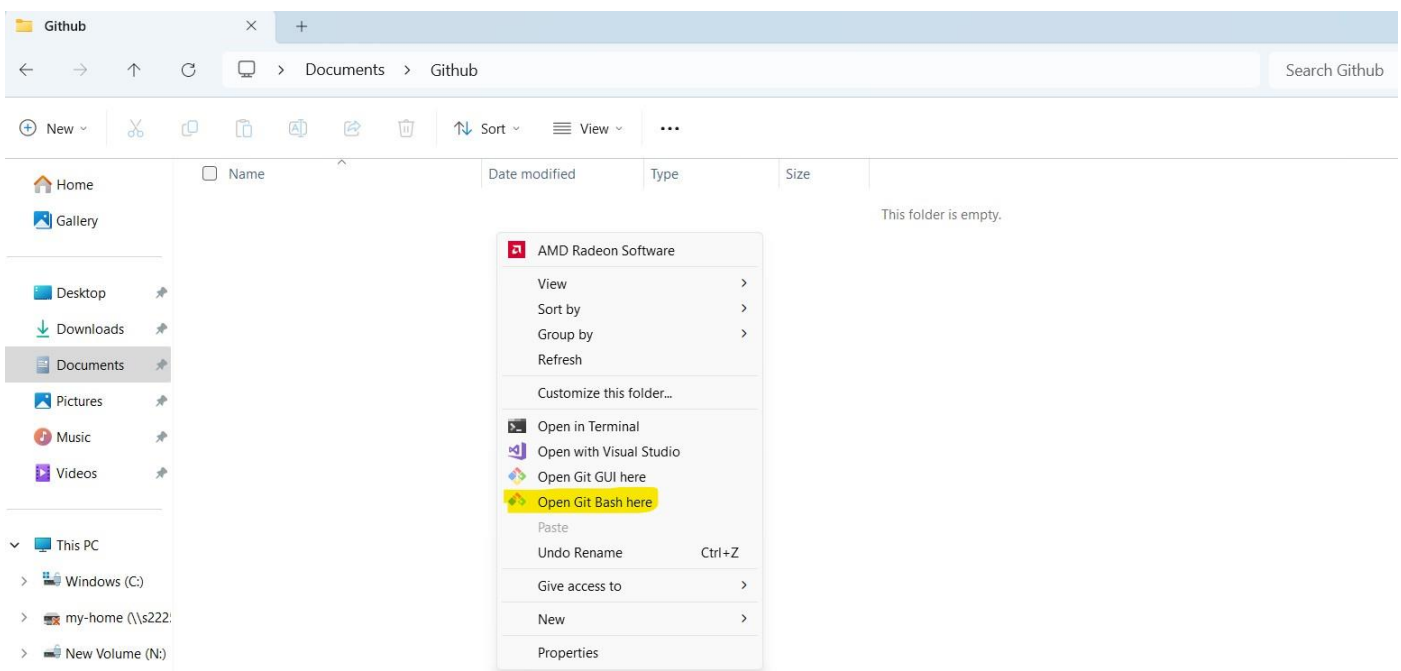
```
NISHANT_KHAMKAR@LAPTOP-RNARH4V8 MINGW64 /d/T3 2024 Deakin/Project_A/Nishant
$ git config --system core.longpaths true
```

After running this command, **Close Git Bash**.

Step 5: Select a local storage location where you want to clone the repository and create a folder. Note: The entire file is 5GB.



Within the folder select Open with bash here



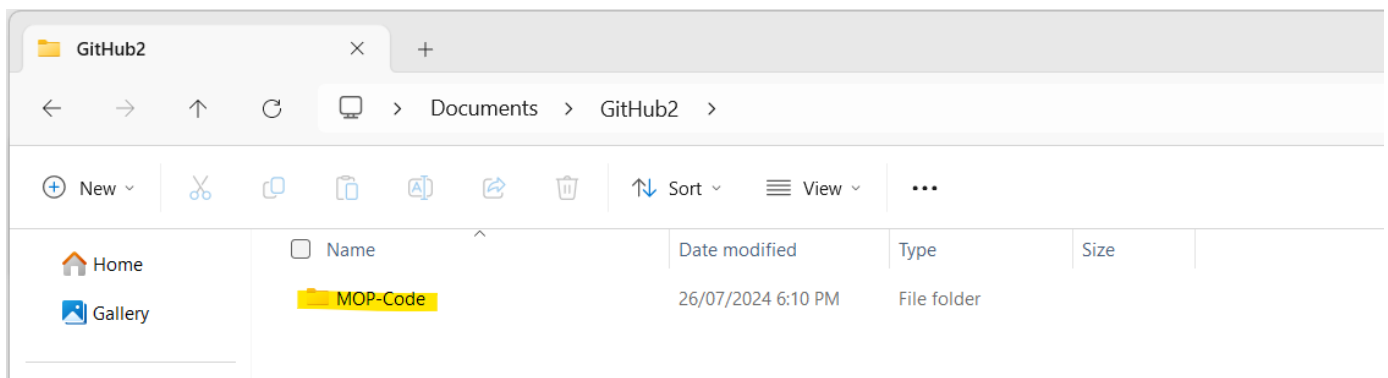
And then type git clone by adding the URL copied from Step 3 from GitHub Code and enter

git clone <https://github.com/Chameleon-company/MOP-Code.git>

MINGW32:/c/Users/nmana/Documents/GitHub2/MOP-Code/Playground/Manasa

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2
$ git clone https://github.com/Chameleon-company/MOP-Code.git
Cloning into 'MOP-Code'...
remote: Enumerating objects: 40983, done.
remote: Counting objects: 100% (2335/2335), done.
remote: Compressing objects: 100% (1028/1028), done.
remote: Total 40983 (delta 1558), reused 1899 (delta 1234), pack-reused 38648
Receiving objects: 100% (40983/40983), 1.29 GiB | 3.25 MiB/s, done.
Resolving deltas: 100% (17963/17963), done.
Updating files: 100% (11450/11450), done.
```

Step 6: After updating the file MOP-Code folder would be created



In git bash type **cd MOP-Code**

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2
$ cd MOP-Code
```

And **cd Playground**

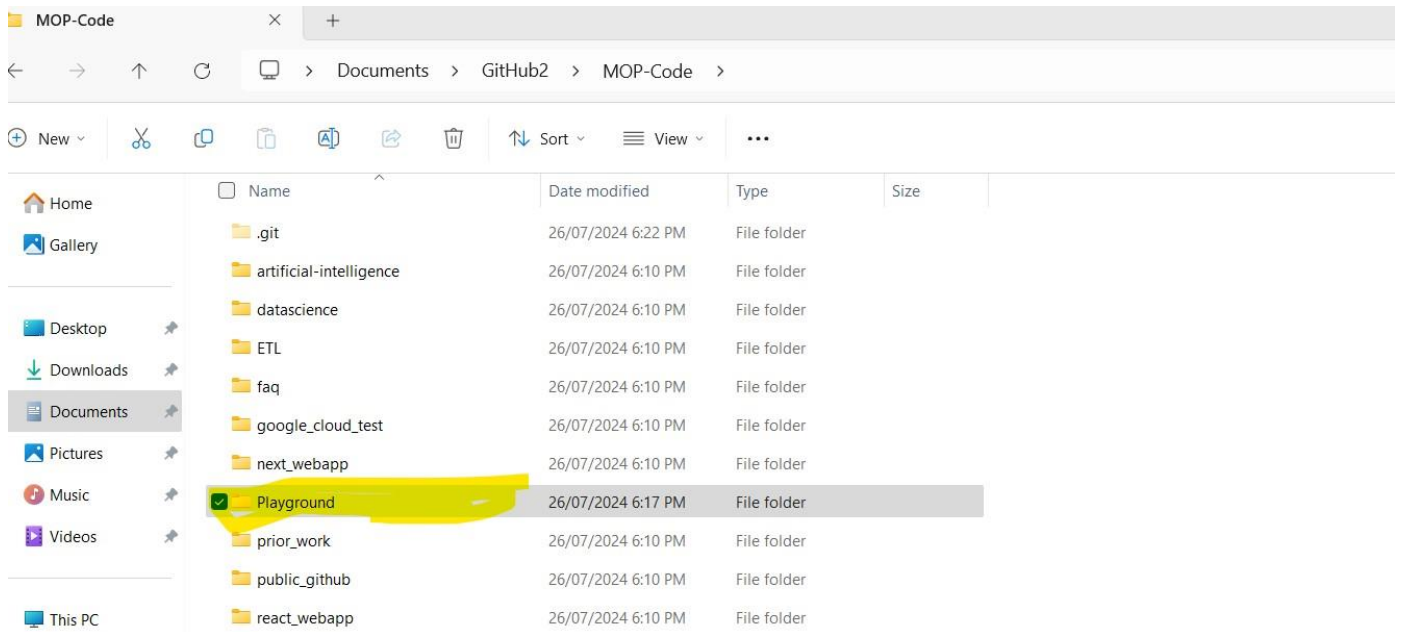
```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2/MOP-Code (master)
$ cd Playground
```

Now we will need to switch from master branch to your branch hence type git check out and type your branch name created in GitHub.

git checkout Manasa

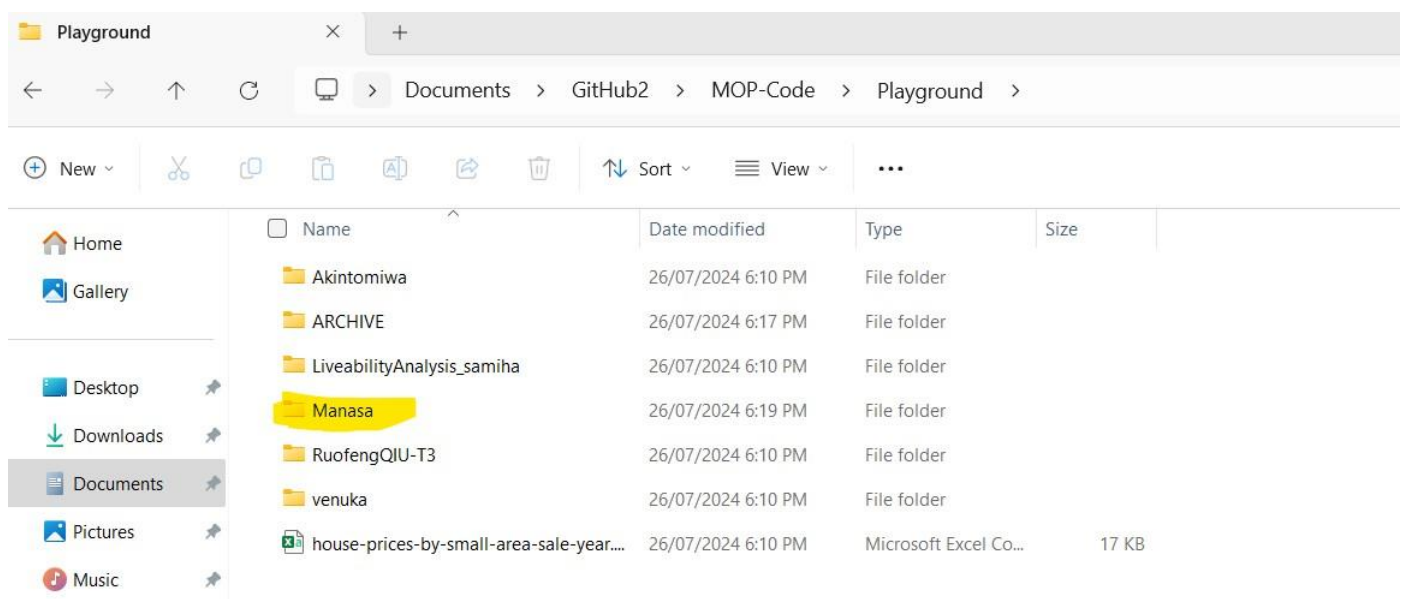
```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2/MOP-Code/Playground (master)
$ git checkout Manasa
Switched to a new branch 'Manasa'
branch 'Manasa' set up to track 'origin/Manasa'.
```

In local storage location now go to MOP – Code → Playground

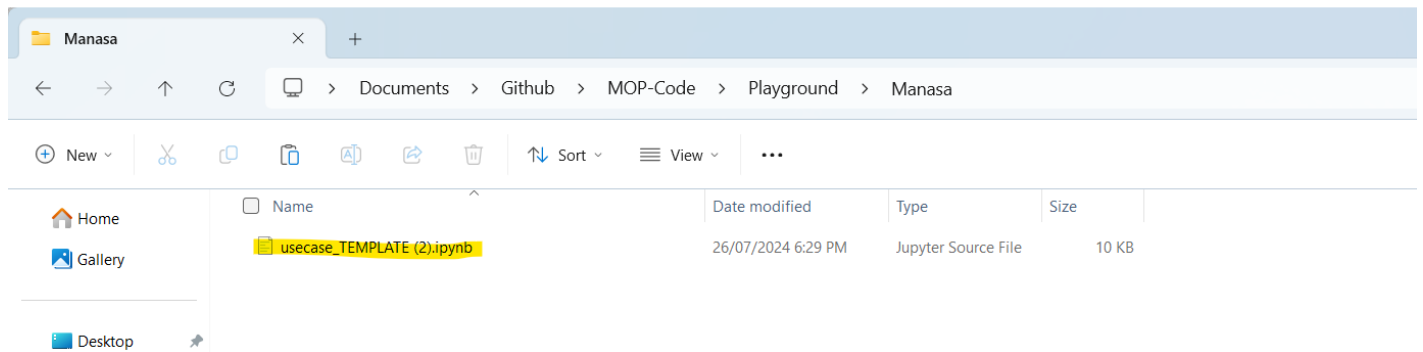


Step 7: Create a folder inside the playground folder.

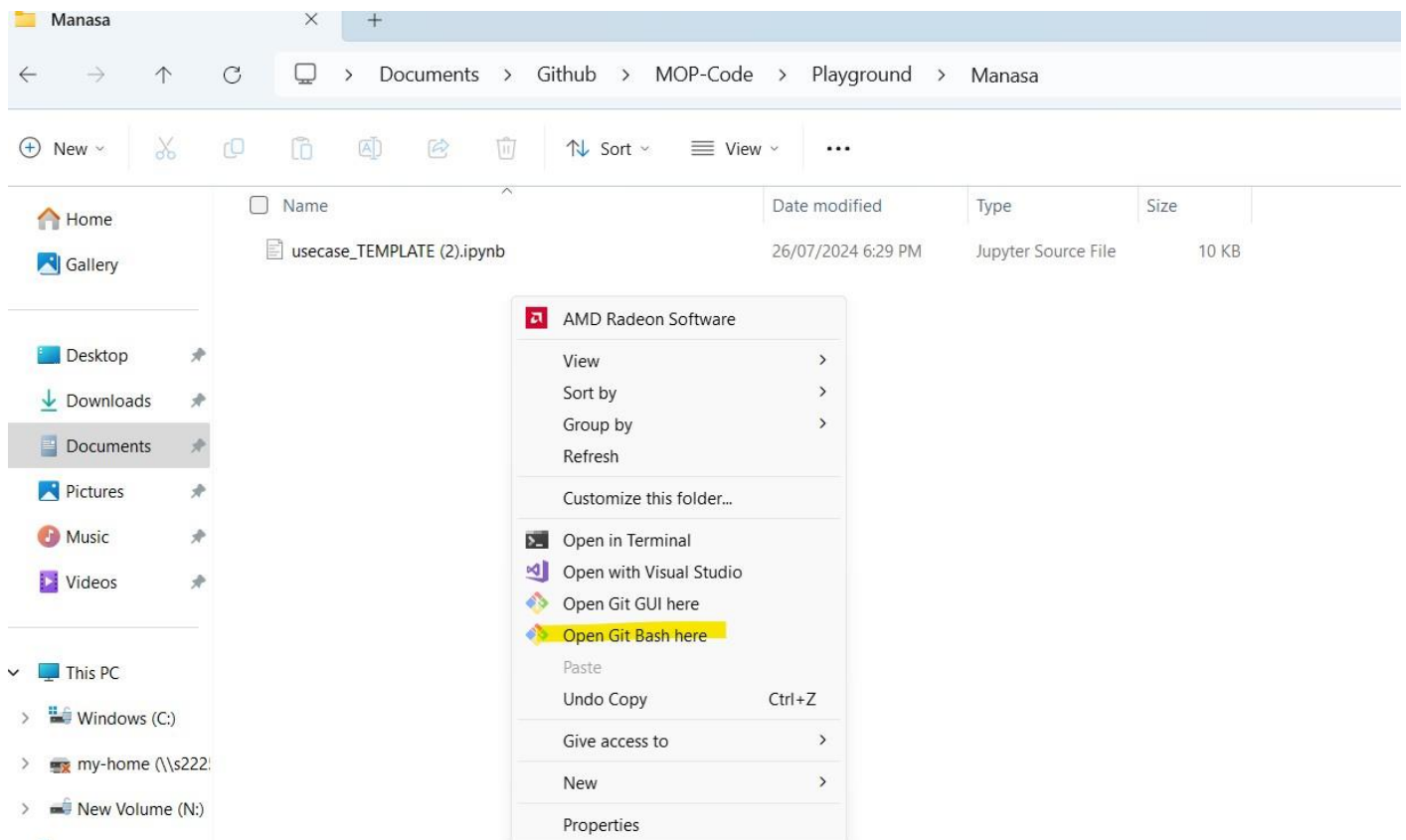
Note: In the playground folder I have created by my name



Step 8: Add any test document / Use case template in folder.



Step 9: Open git bash from this folder



Now type git status

git status

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2/MOP-Code/Playground/Manasa (Manasa)
$ git status
On branch Manasa
Your branch is up to date with 'origin/Manasa'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   git_command.docx
```

And then type 'git add .' **Note: there should be space after add full stop**

git add .

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2/MOP-Code/Playground/Manasa (Manasa)
$ git add .
```

And now we are committing the changes by giving command git commit -m "give your message"

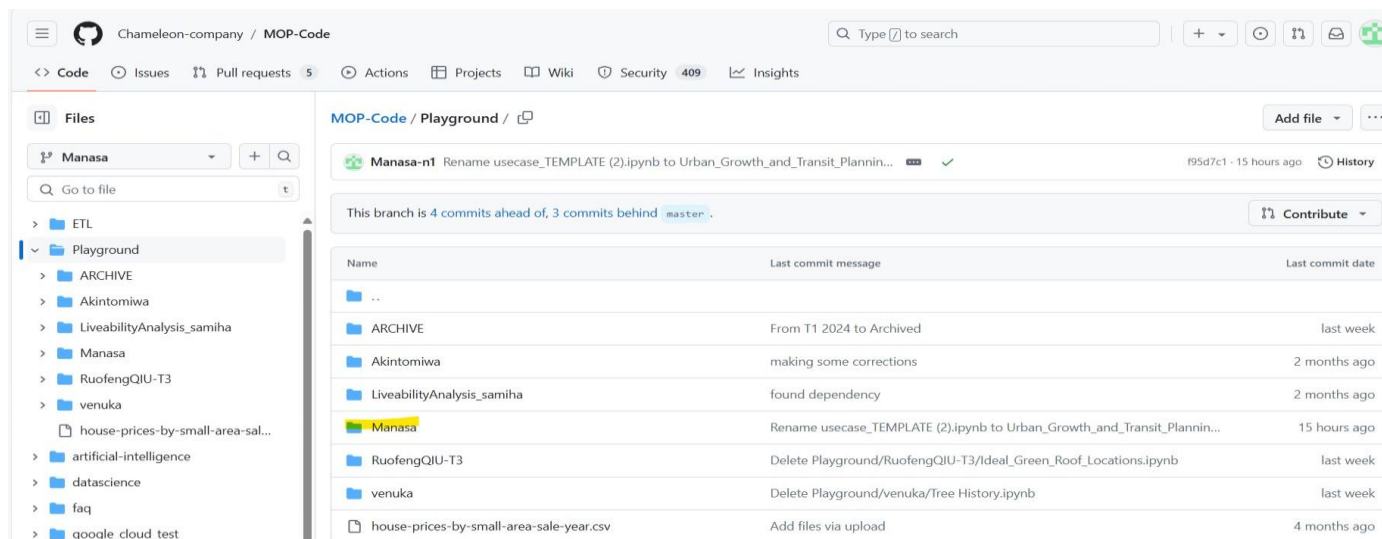
git commit -m "adding file"

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2/MOP-Code/Playground/Manasa (Manasa)
$ git commit -m "adding file"
[Manasa f8f2b68c] adding file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Playground/Manasa/git_command.docx
```

And Type git push to push your changes.

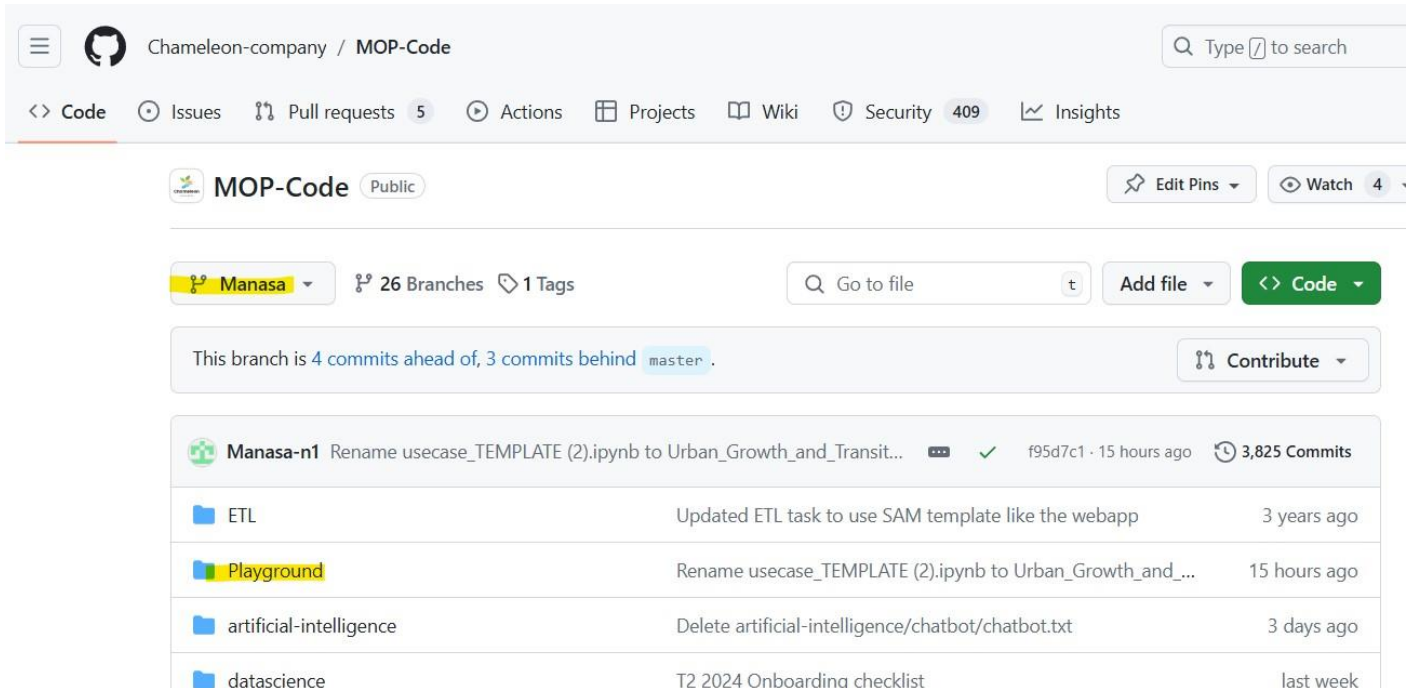
git push

```
nmana@DESKTOP-A58FJHG MINGW32 ~/Documents/GitHub2/MOP-Code/Playground/Manasa (Manasa)
$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 6 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 11.06 KiB | 5.53 MiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: GitHub found 107 vulnerabilities on Chameleon-company/MOP-Code's default branch (2 critical, 35 high, 64 moderate, 6 low). To find out more, visit:
remote:   https://github.com/Chameleon-company/MOP-Code/security/dependabot
remote:
To https://github.com/Chameleon-company/MOP-Code.git
bf034bb0..f8f2b68c Manasa -> Manasa
```



Name	Last commit message	Last commit date
..		
ARCHIVE	From T1 2024 to Archived	last week
Akintomiwa	making some corrections	2 months ago
LiveabilityAnalysis_samiha	found dependency	2 months ago
Manasa	Rename usecase_TEMPLATE (2).ipynb to Urban_Growth_and_Transit_Plannin...	15 hours ago
RuofengQIU-T3	Delete Playground/RuofengQIU-T3/Ideal_Green_Roof_Locations.ipynb	last week
venuka	Delete Playground/venuka/Tree History.ipynb	last week
house-prices-by-small-area-sale-year.csv	Add files via upload	4 months ago

Step 10: Now we can check in GitHub in our branch, playground folder there would be folder created with the added documents in our local storage.



The screenshot shows the GitHub interface for the 'MOP-Code' repository. The repository is public and has 26 branches and 1 tag. The current branch is 'Manasa', which is 4 commits ahead of and 3 commits behind the 'master' branch. The repository has 3,825 commits. The commit history shows four recent commits:

Commit	Message	Time
Manasa-n1	Rename usecase_TEMPLATE (2).ipynb to Urban_Growth_and_Transit...	15 hours ago
ETL	Updated ETL task to use SAM template like the webapp	3 years ago
Playground	Rename usecase_TEMPLATE (2).ipynb to Urban_Growth_and_...	15 hours ago
artificial-intelligence	Delete artificial-intelligence/chatbot/chatbot.txt	3 days ago
datascience	T2 2024 Onboarding checklist	last week

Conclusion

In conclusion, this guide provides a step-by-step process for creating a new branch and folder in a GitHub repository using Git Bash on Windows 10. By following these instructions, users can effectively clone repositories, switch between branches, make local changes, and push updates to GitHub. This ensures seamless collaboration and version control for any project.

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