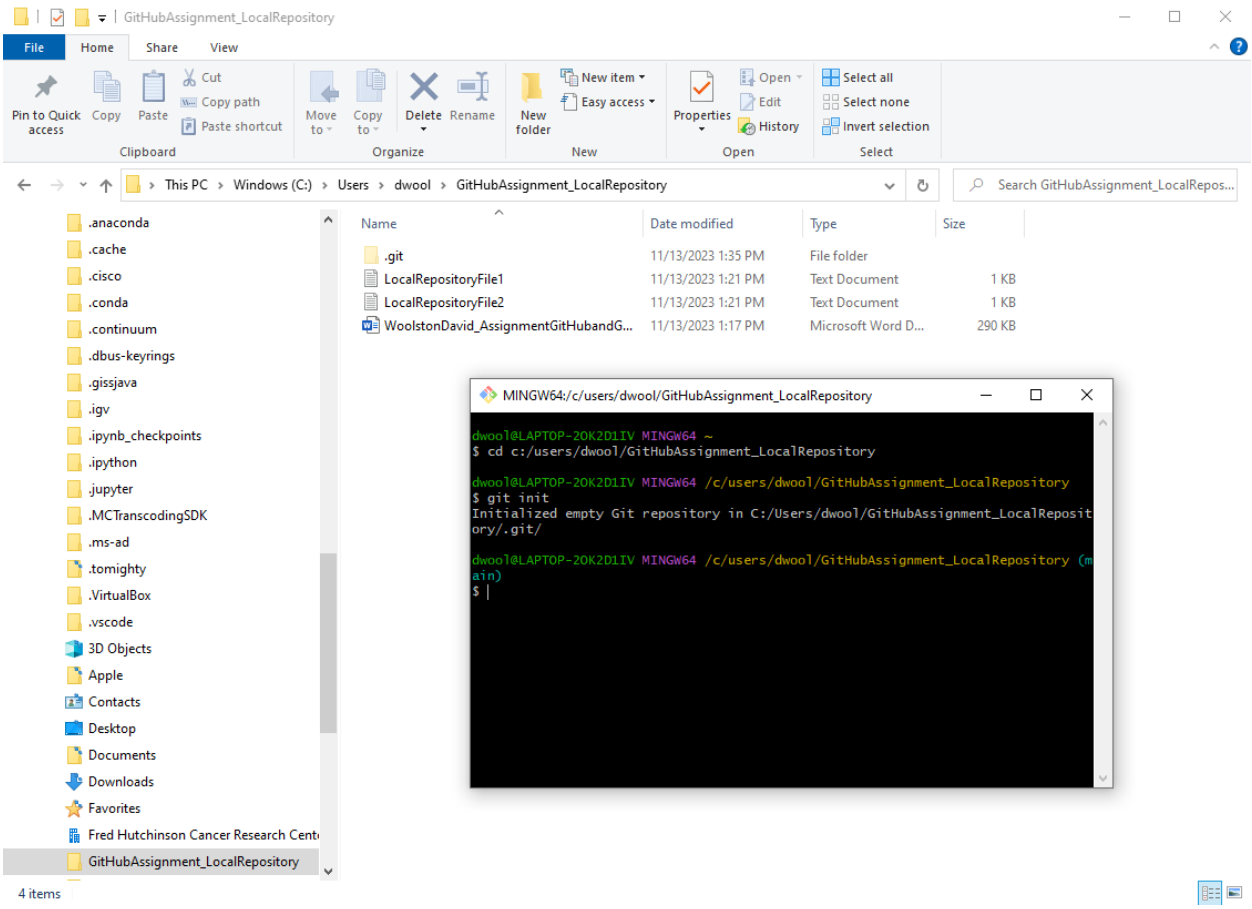
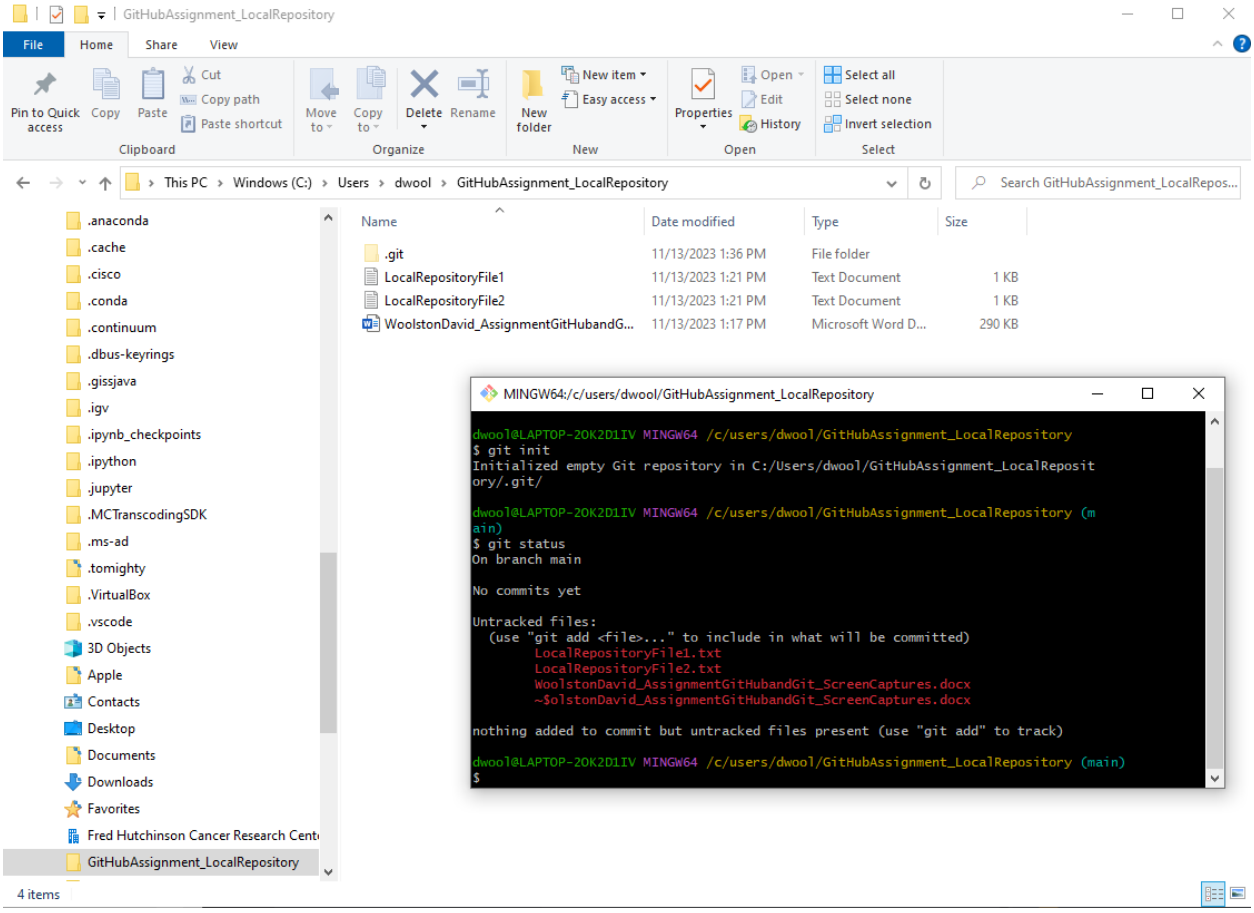
David Woolston
TCSS 502-A
Git and GitHub Assignment
18 November 2023

1. Create local repository:




GitHubAssignment_LocalRepository
File
Home
Share
View
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
This PC › Windows (C:) › Users › dwool › GitHubAssignment_LocalRepository
Search GitHubAssignment_LocalRepos...
.anaconda
.cache
.cisco
.conda
.continuum
.dbus-keyrings
.gissjava
.igv
.ipynb_checkpoints
.ipython
.jupyter
.MCTranscodingSDK
.ms-ad
.tomighty
.VirtualBox
.vscode
3D Objects
Apple
Contacts
Desktop
Documents
Downloads
Favorites
Fred Hutchinson Cancer Research Cent
GitHubAssignment_LocalRepository
Name
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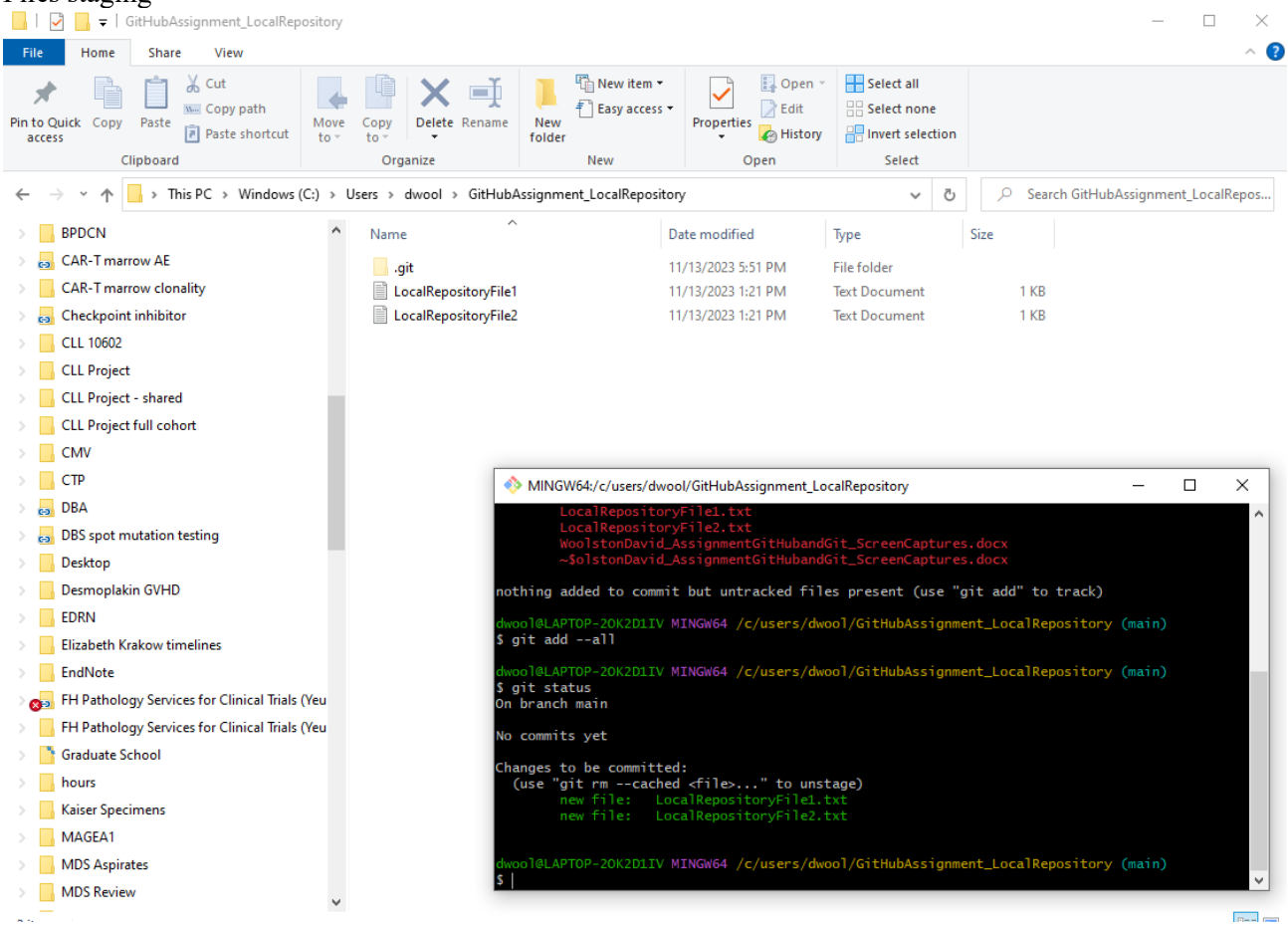
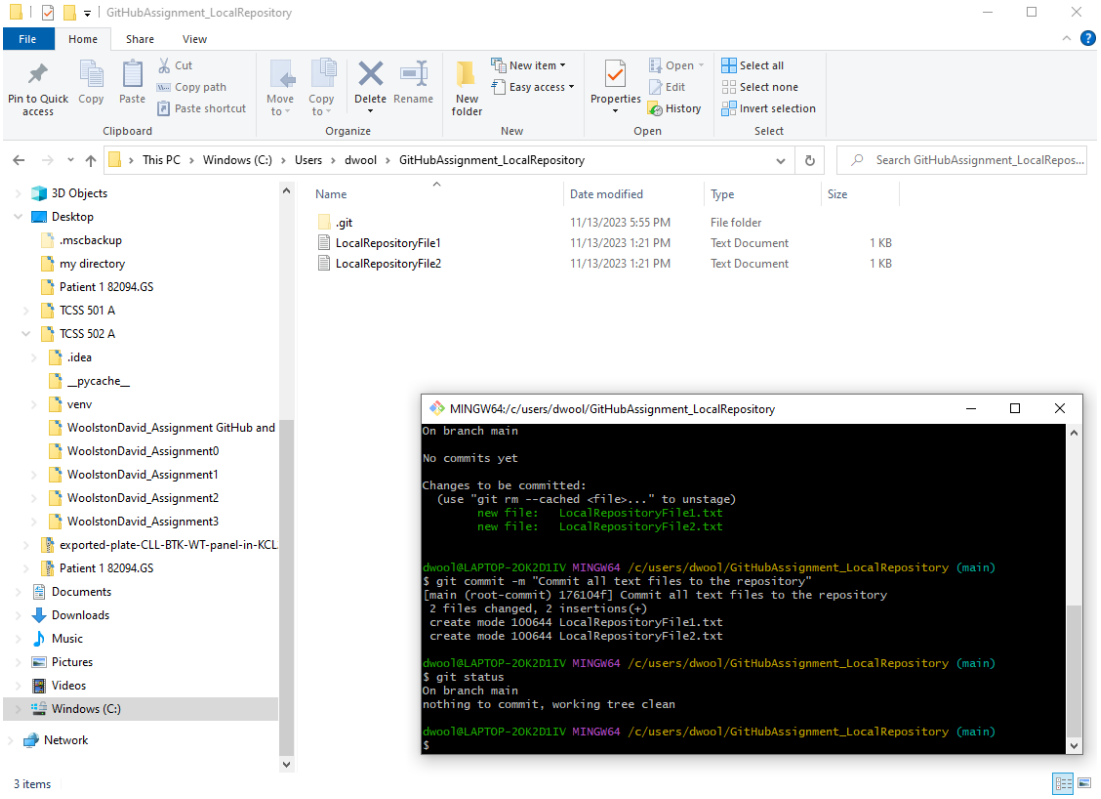
.git
11/13/2023 1:36 PM
File folder
LocalRepositoryFile1
11/13/2023 1:21 PM
Text Document
1 KB
LocalRepositoryFile2
11/13/2023 1:21 PM
Text Document
1 KB
WoolstonDavid_AssignmentGitHubandG...
11/13/2023 1:17 PM
Microsoft Word D...
290 KB
4 items
MINGW64:/c/users/dwool/GitHubAssignment_LocalRepository
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/GitHubAssignment_LocalRepository
$ git init
Initialized empty Git repository in C:/Users/dwool/GitHubAssignment_LocalReposit
ory/.git/
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/GitHubAssignment_LocalRepository (m
ain)
$ git status
On branch main
No commits yet
Untracked files:
(use "git add <file>..." to include in what will be committed)
LocalRepositoryFile1.txt
LocalRepositoryFile2.txt
WoolstonDavid_AssignmentGitHubandGit_ScreenCaptures.docx
~$olstonDavid_AssignmentGitHubandGit_ScreenCaptures.docx
nothing added to commit but untracked files present (use "git add" to track)
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/GitHubAssignment_LocalRepository (main)
$

2. Add a couple files to the repository:
    a. Here, “git add --all" was used instead of “git add --LocalRepositoryFile1.txt” and “git add –LocalRepositoryFile2.txt”

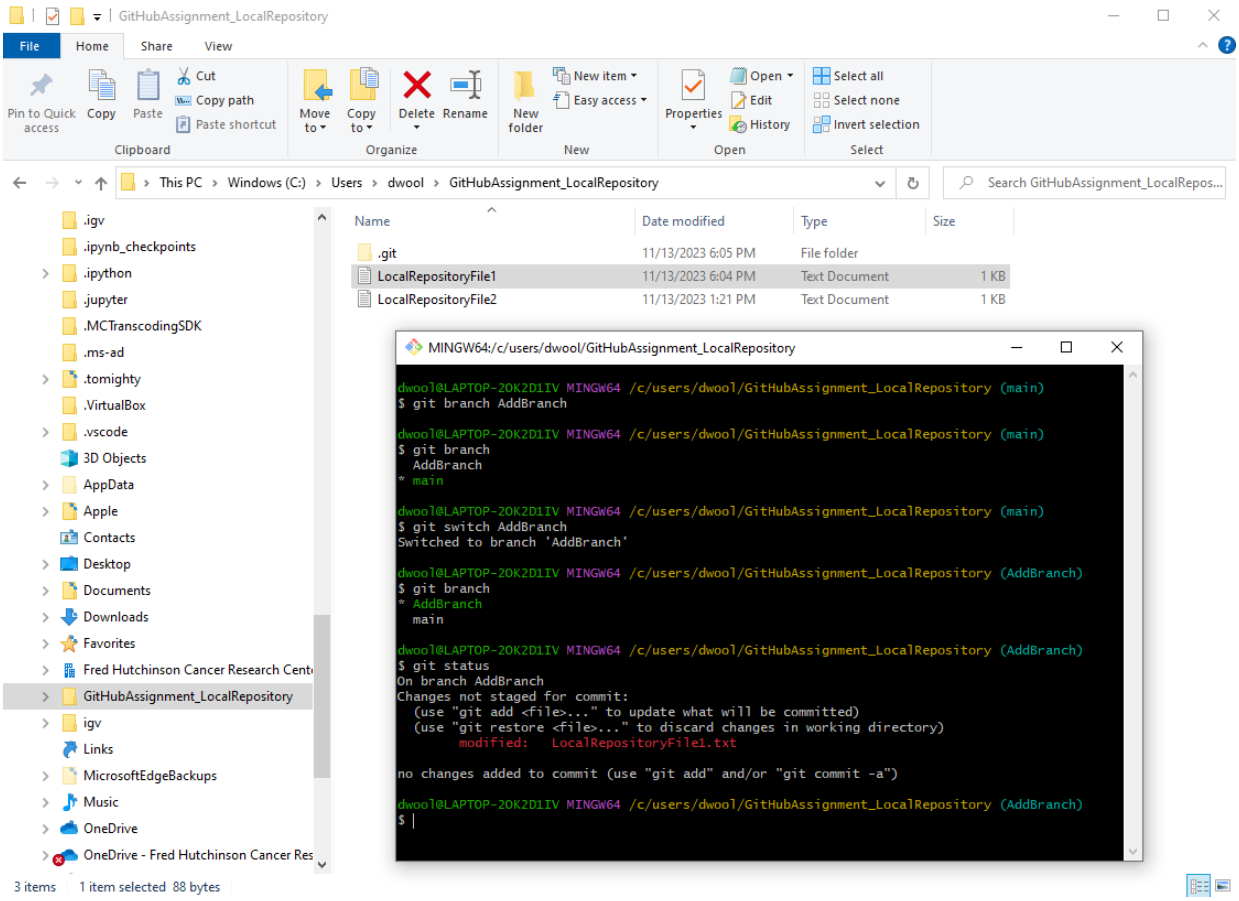
Files staging



b. Text files committed to the repository:

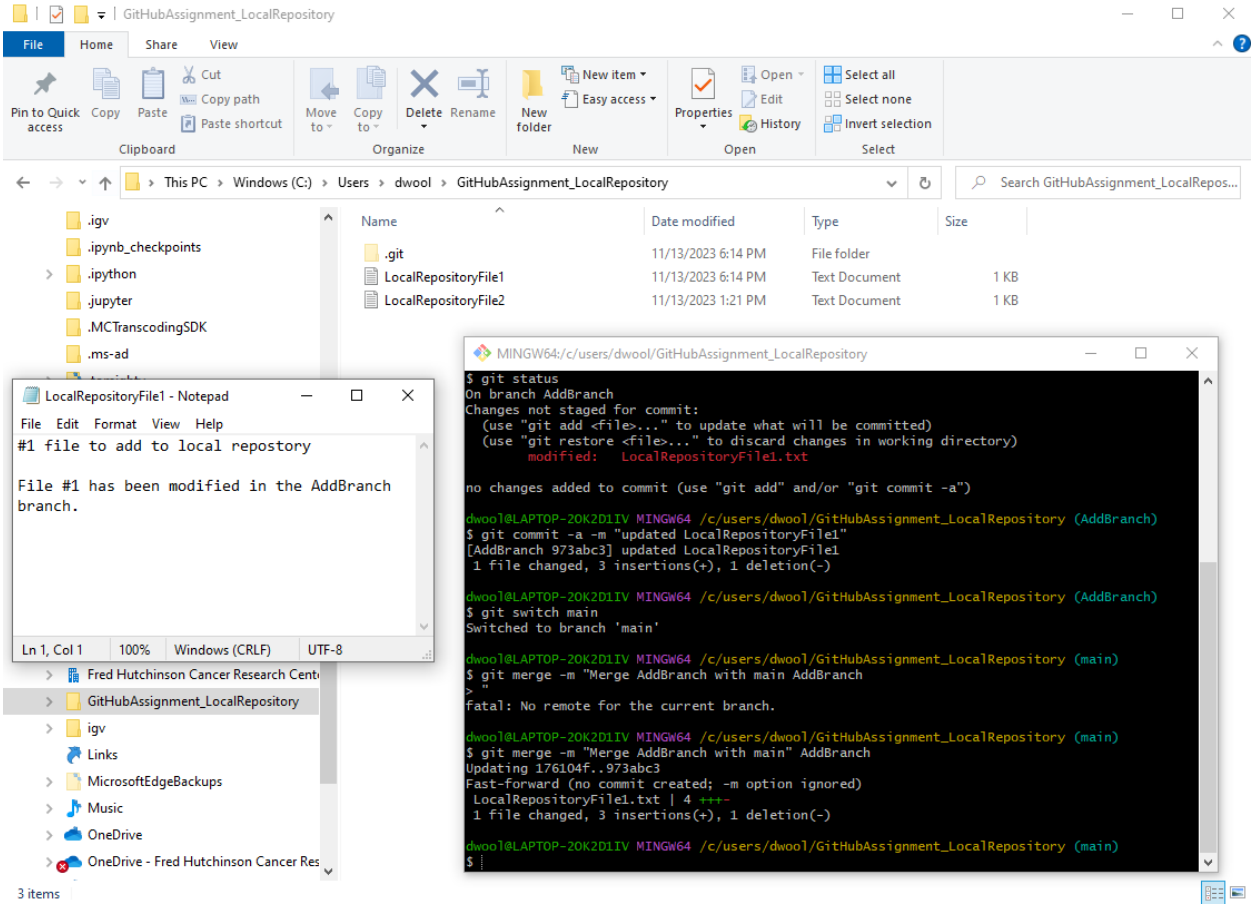


c. Branch called “AddBranch” created
d. File in AddBranch branch modified

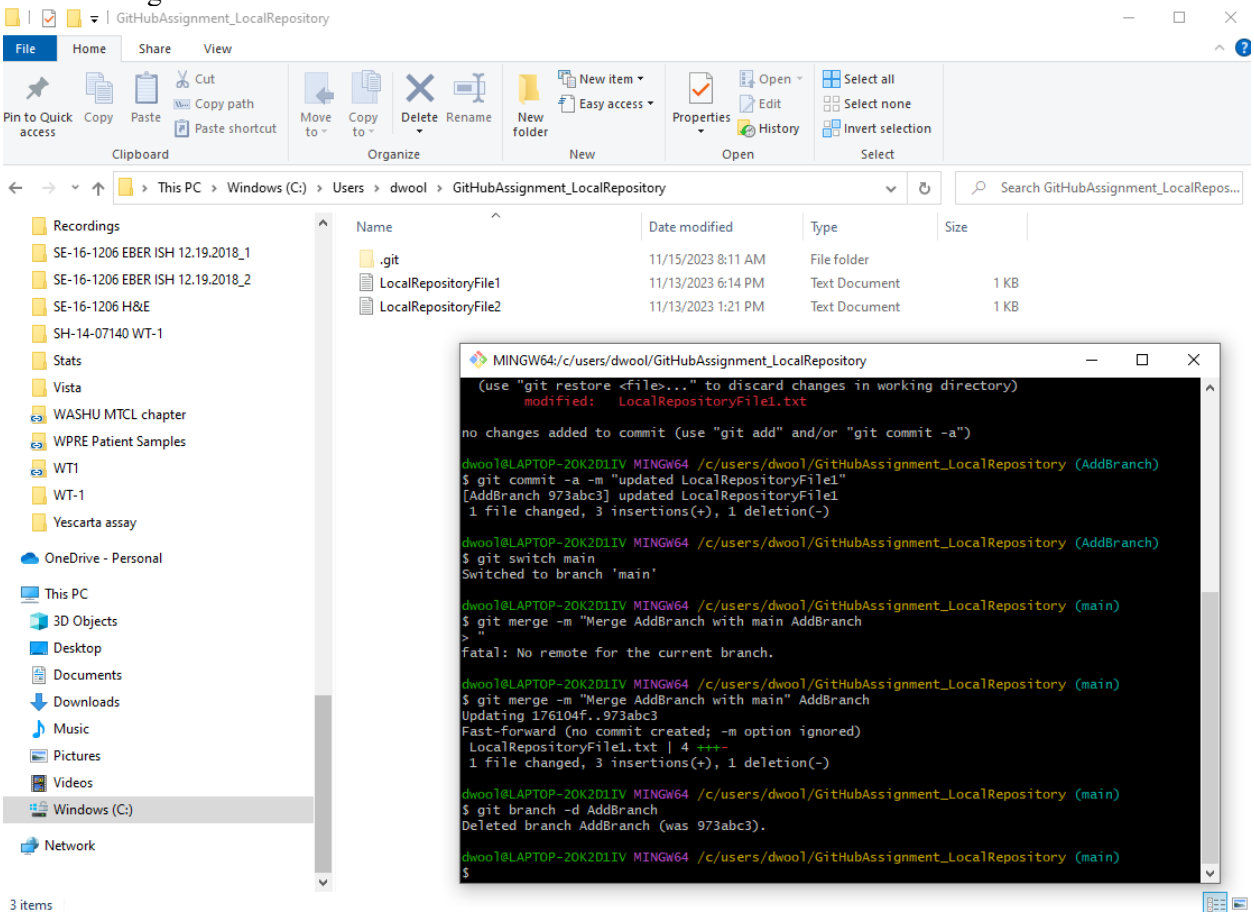


e. Change made to LocalRepositoryFile1.txt in AddBranch branch (unpictured)

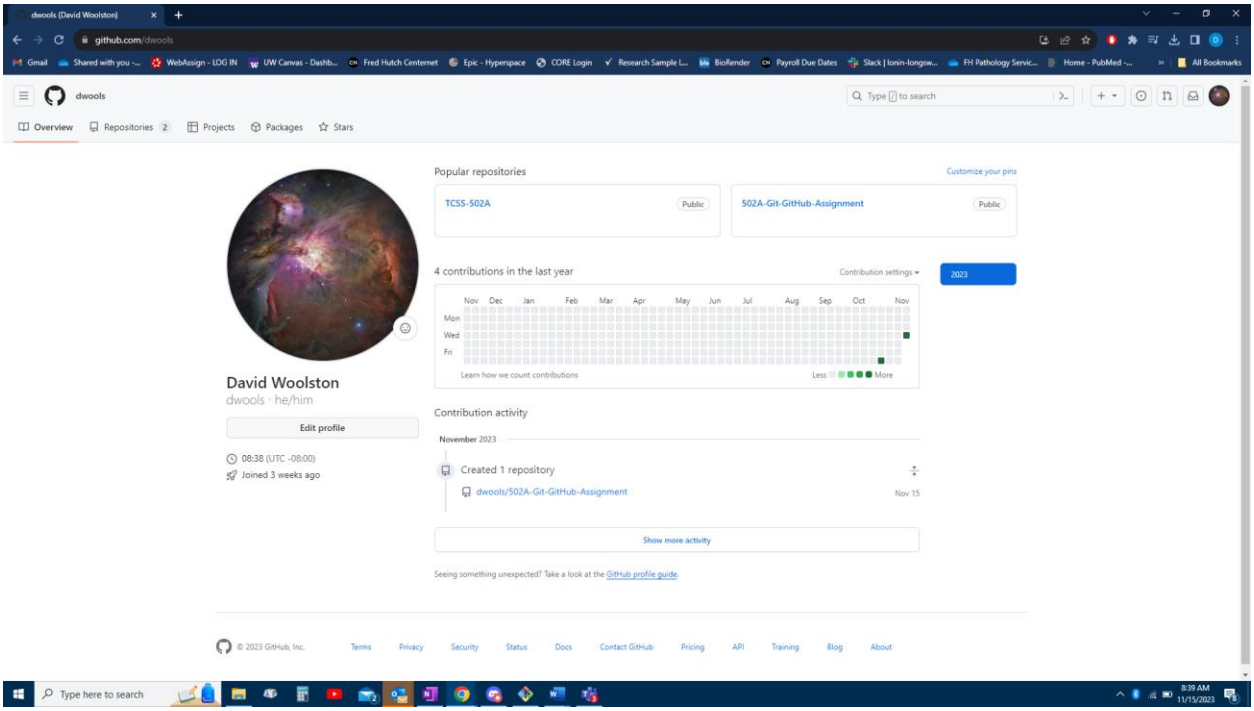
f. AddBranch branch and main branch merged.



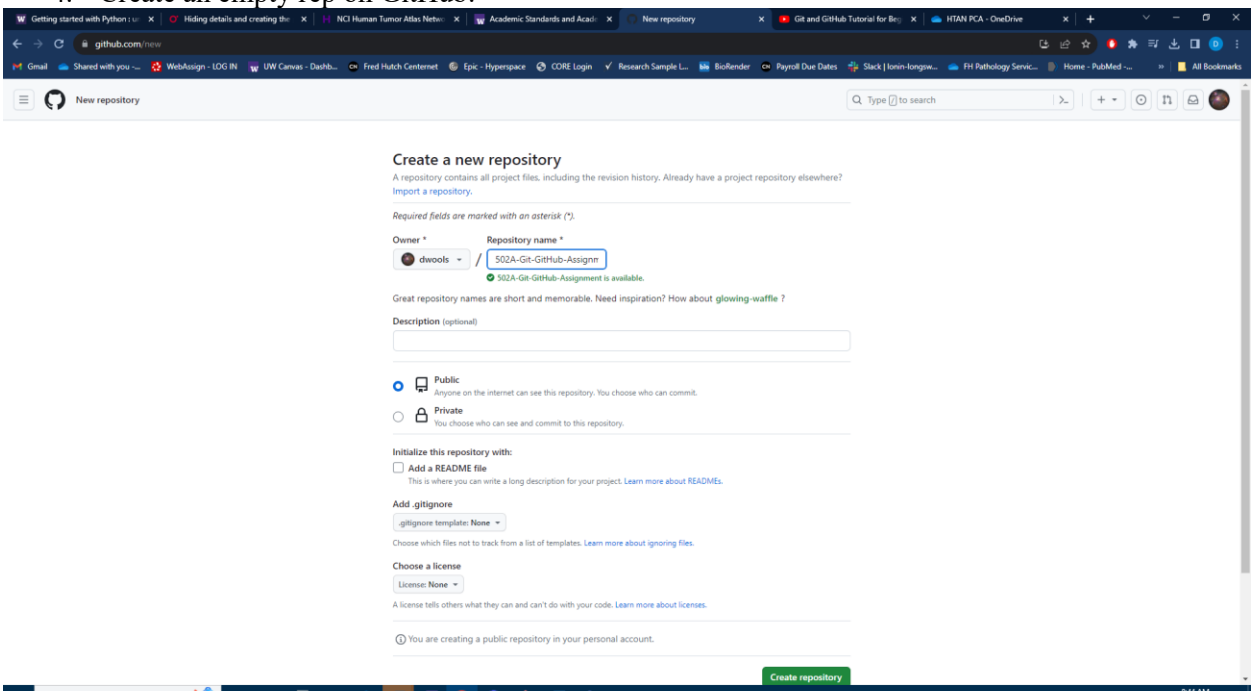
g. AddBranch branch deleted

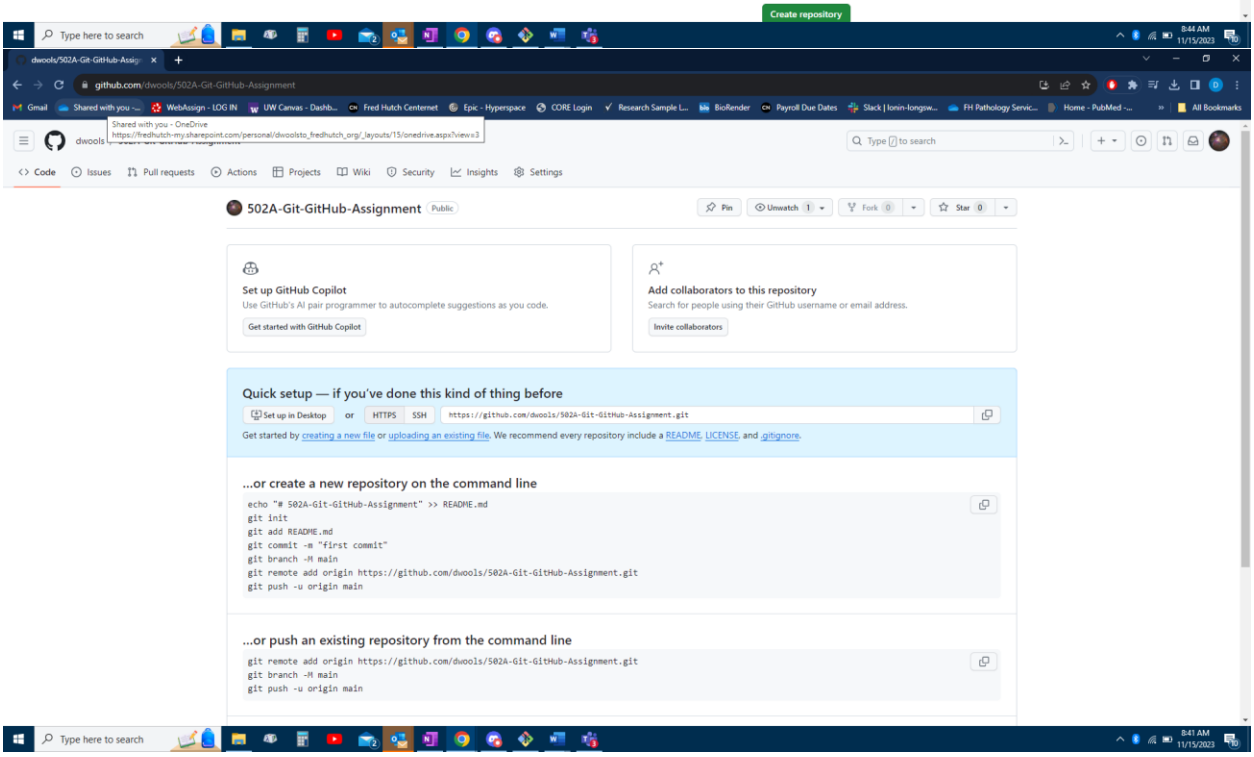


3. Create GitHub Account

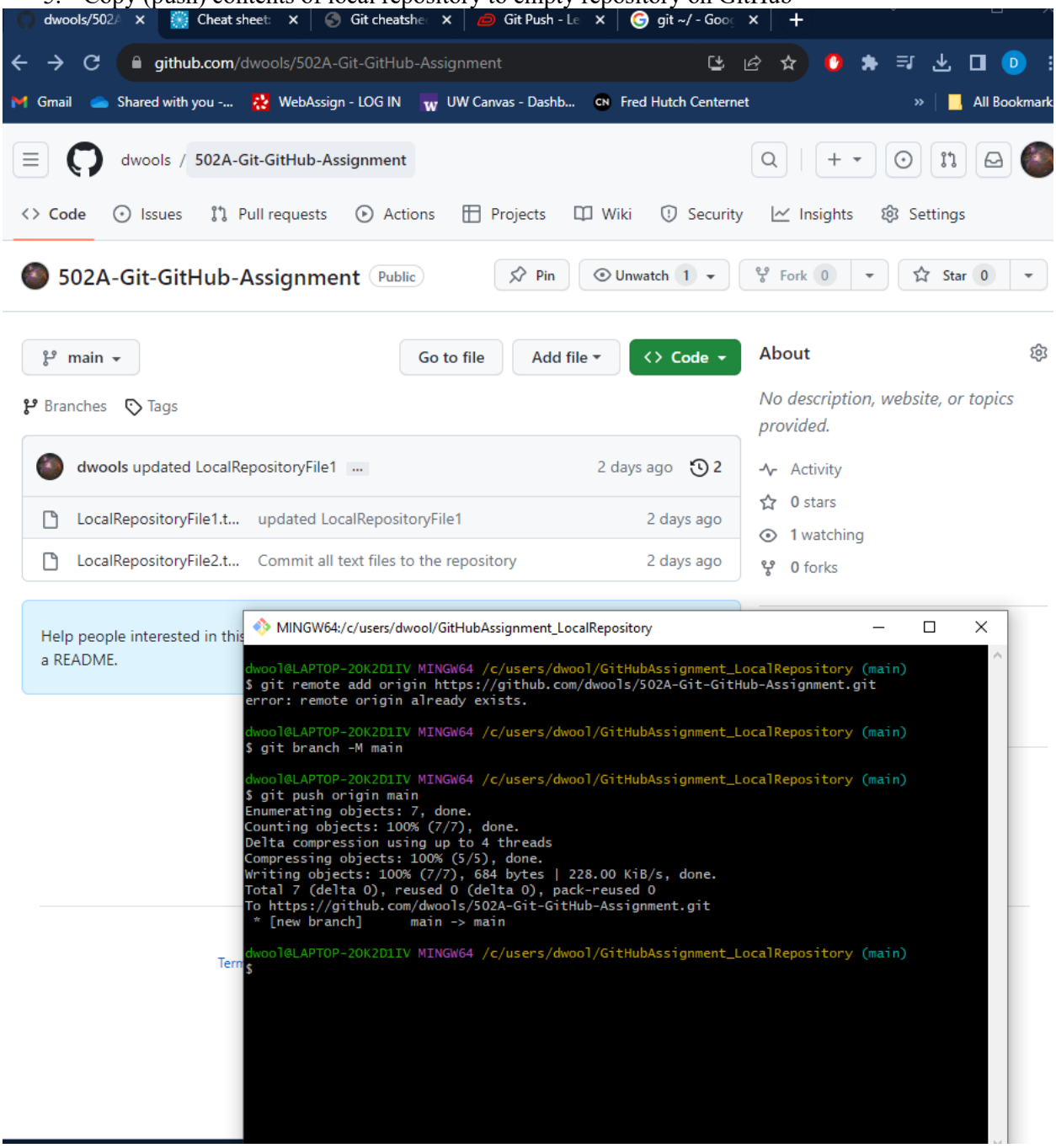


4. Create an empty rep on GitHub.

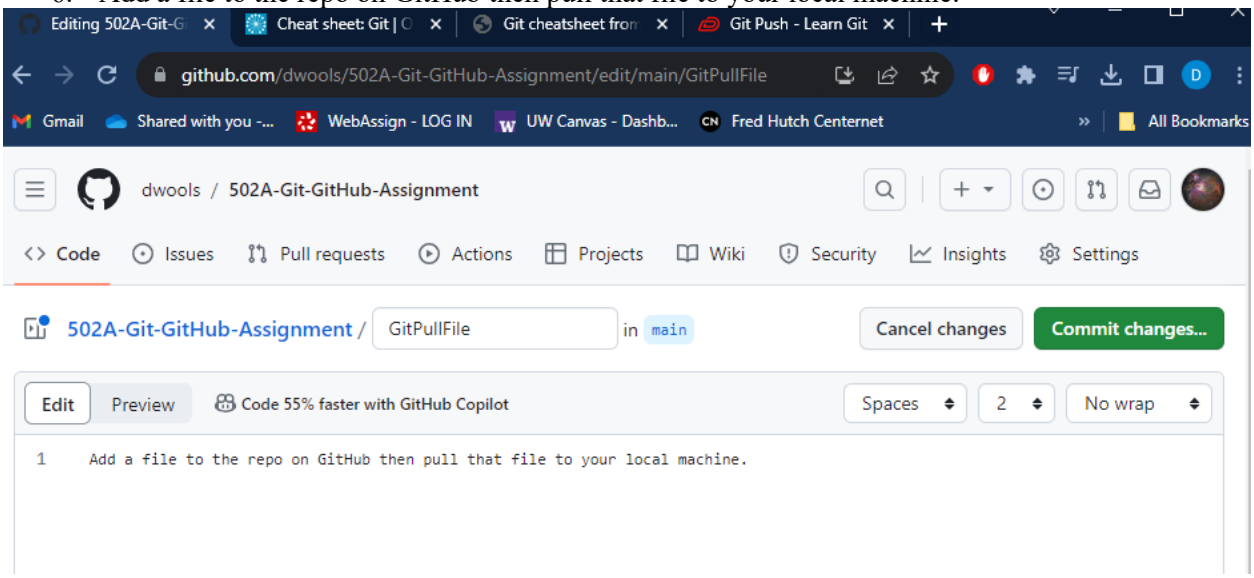


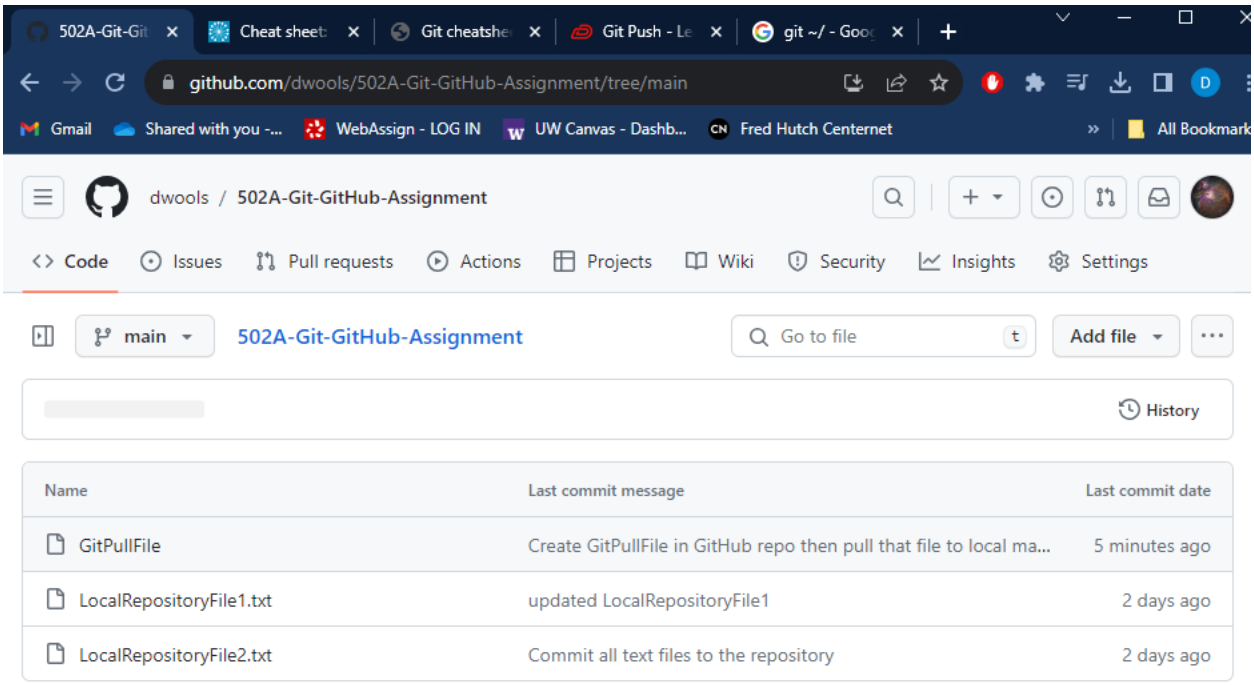


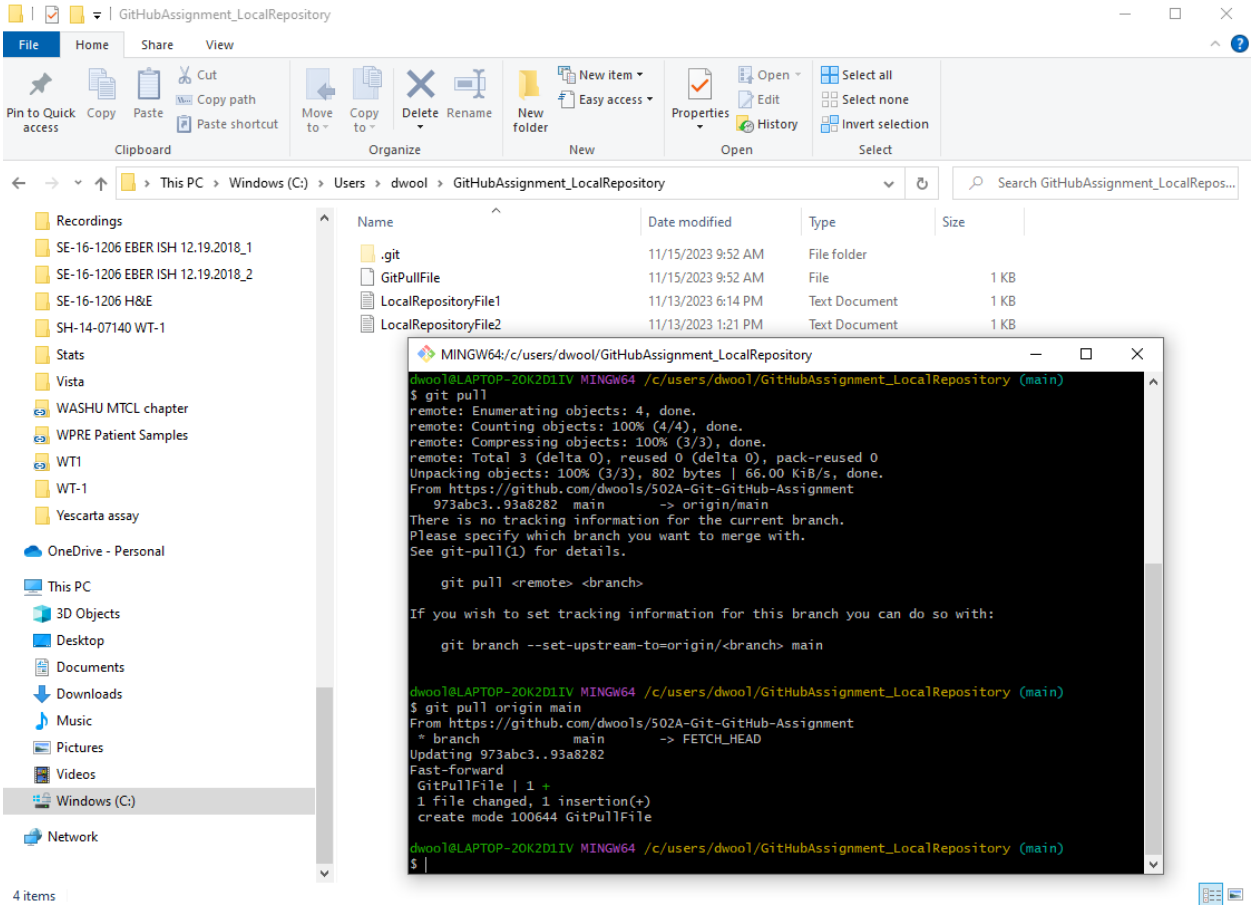
5. Copy (push) contents of local repository to empty repository on GitHub



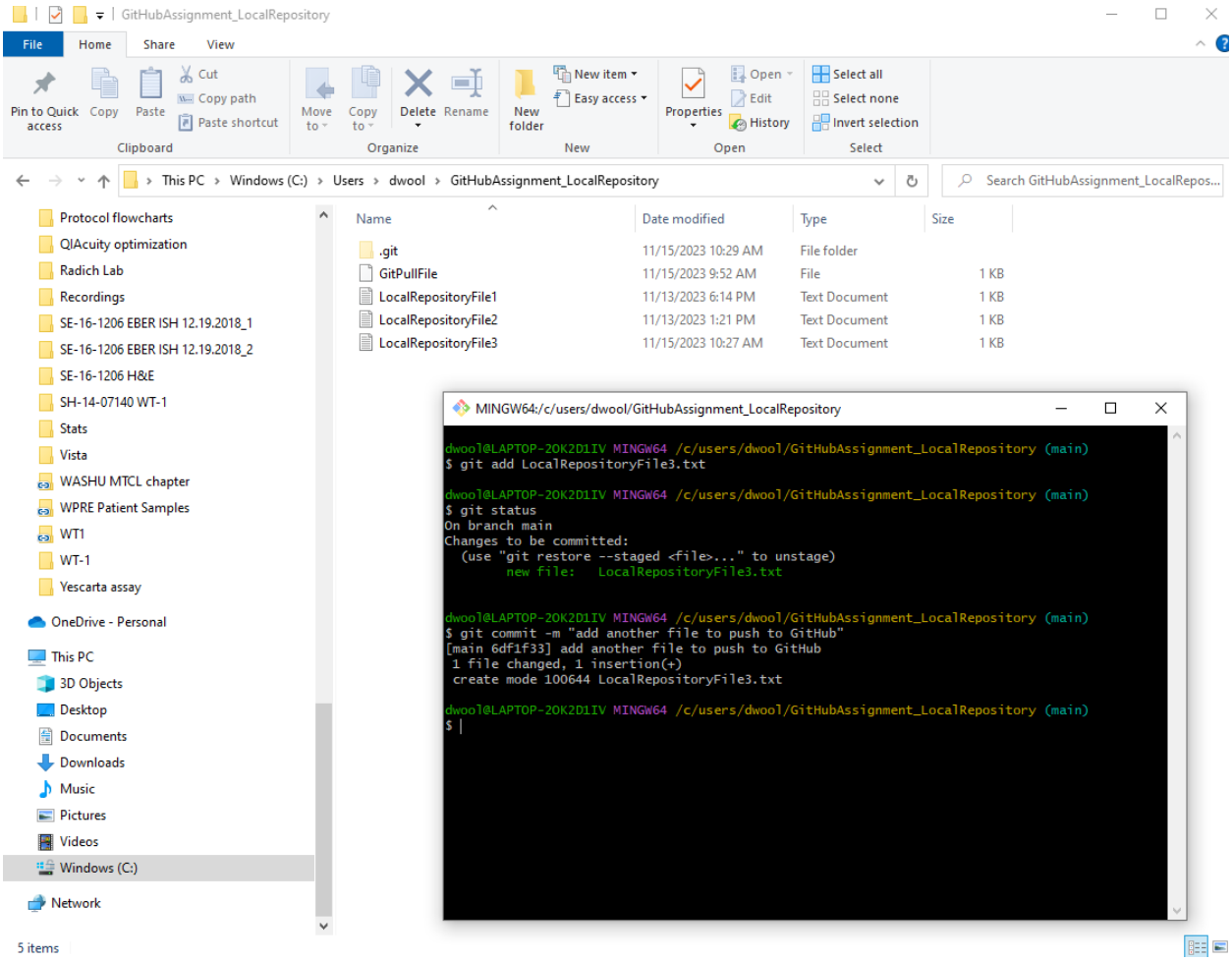
6. Add a file to the repo on GitHub then pull that file to your local machine.

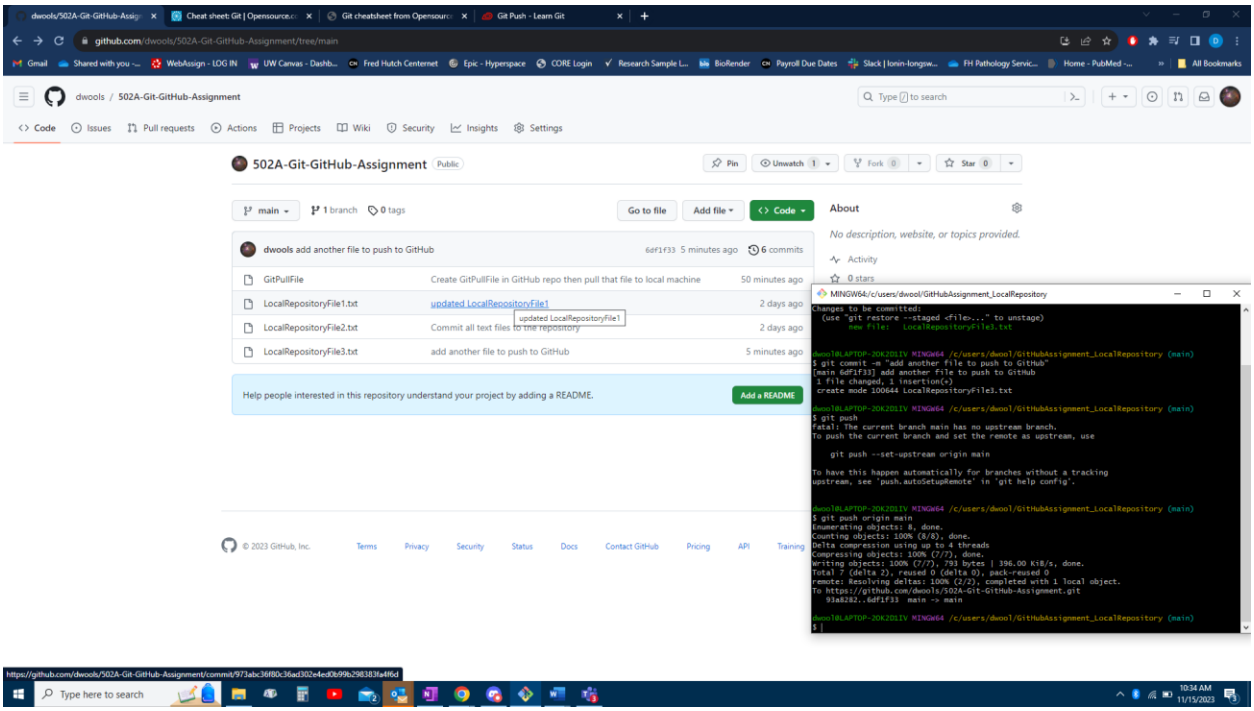




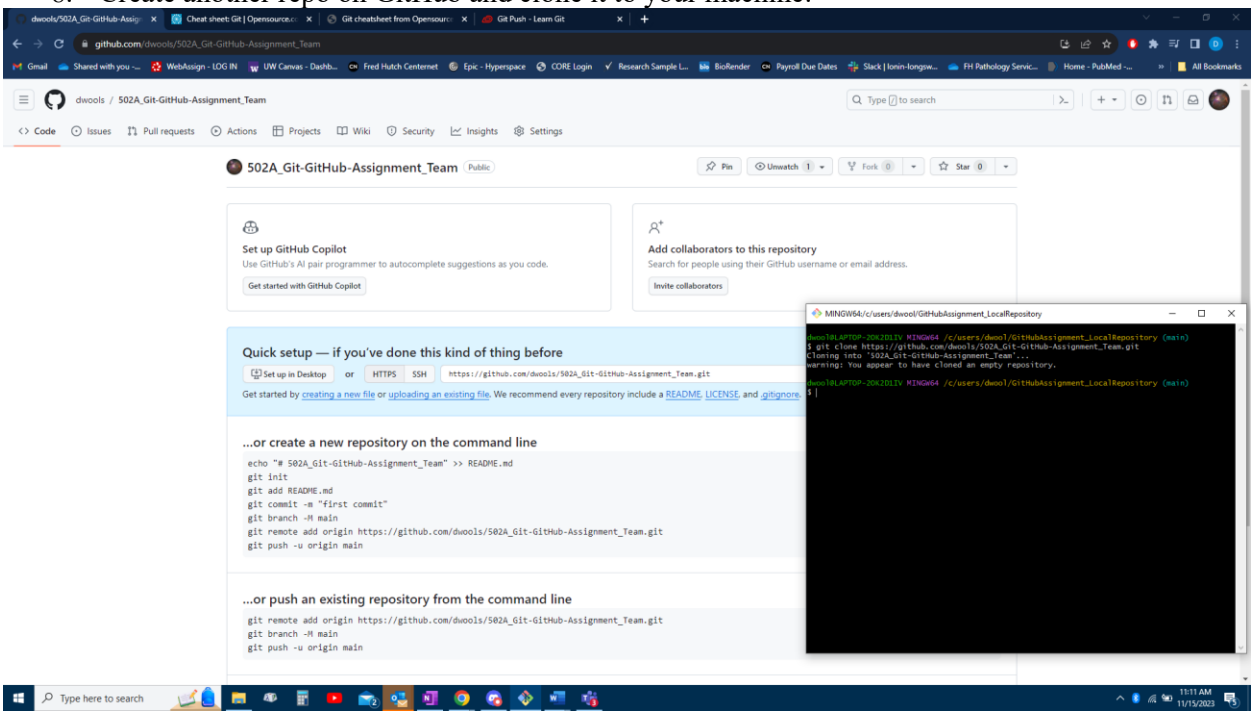

GitHubAssignment_LocalRepository
File
Home
Share
View
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Select all
Select none
Invert selection
Select
This PC › Windows (C:) › Users › dwool › GitHubAssignment_LocalRepository
Search GitHubAssignment_LocalRepos...
Recordings
SE-16-1206 EBER ISH 12.19.2018_1
SE-16-1206 EBER ISH 12.19.2018_2
SE-16-1206 H&E
SH-14-07140 WT-1
Stats
Vista
WASHU MTCL chapter
WPRE Patient Samples
WT1
WT-1
Yescarta assay
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
Network
Name
Date modified
Type
Size
.git
11/15/2023 9:52 AM
File folder
GitPullFile
11/15/2023 9:52 AM
File
1 KB
LocalRepositoryFile1
11/13/2023 6:14 PM
Text Document
1 KB
LocalRepositoryFile2
11/13/2023 1:21 PM
Text Document
1 KB
4 items
MINGW64:/c/users/dwool/GitHubAssignment_LocalRepository
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/GitHubAssignment_LocalRepository (main)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 802 bytes | 66.00 KiB/s, done.
From https://github.com/dwools/502A-Git-GitHub-Assignment
973abc3..93a8282 main -> origin/main
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.
git pull <remote> <branch>
If you wish to set tracking information for this branch you can do so with:
git branch --set-upstream-to=origin/<branch> main
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/GitHubAssignment_LocalRepository (main)
$ git pull origin main
From https://github.com/dwools/502A-Git-GitHub-Assignment
* branch main -> FETCH_HEAD
Updating 973abc3..93a8282
Fast-forward
GitPullFile | 1 +
1 file changed, 1 insertion(+)
create mode 100644 GitPullFile
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/GitHubAssignment_LocalRepository (main)
$

7. Add another file to your local repo and push that to GitHub.
    a. Note that “git push” did not work, but “git push origin main” did.

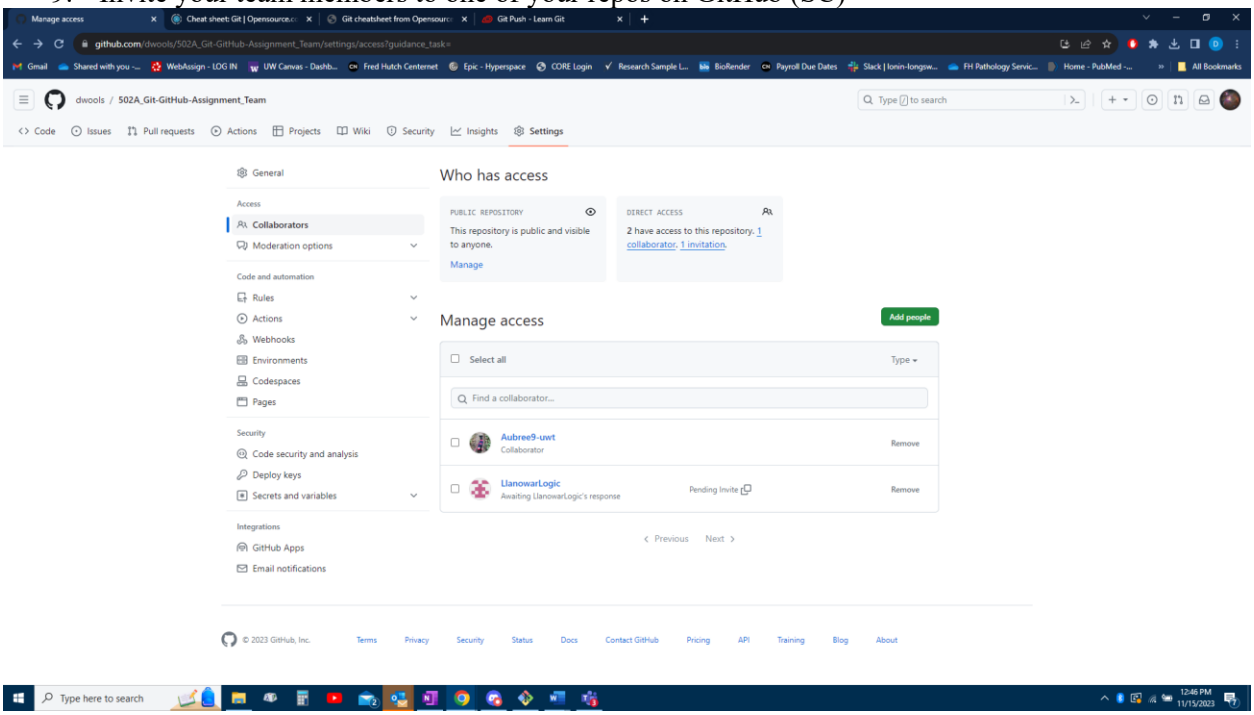



dwools/502A-Git-GitHub-Assignment
Cheat sheet: Git | Opensource.c
Git cheatsheet from Opensourc
Git Push - Learn Git
github.com/dwools/502A-Git-GitHub-Assignment/tree/main
dwools / 502A-Git-GitHub-Assignment
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
502A-Git-GitHub-Assignment
Public
main
1 branch
0 tags
Go to file
Add file
Code
About
No description, website, or topics provided.
dwools add another file to push to GitHub
6df1f33 5 minutes ago
6 commits
GitPullFile
Create GitPullFile in GitHub repo then pull that file to local machine
50 minutes ago
LocalRepositoryFile1.txt
updated LocalRepositoryFile1
2 days ago
LocalRepositoryFile2.txt
Commit all text files to the repository
2 days ago
LocalRepositoryFile3.txt
add another file to push to GitHub
5 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
MINGW64:/c/users/dwool/GitHubAssignment_LocalRepository
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
new file: LocalRepositoryFile3.txt
$ git commit -m "add another file to push to GitHub"
[main 6df1f33] add another file to push to GitHub
1 file changed, 1 insertion(+)
create mode 100644 LocalRepositoryFile3.txt
$ git push
fatal: The current branch main has no upstream branch.
To push the current branch and set the remote as upstream, use
git push --set-upstream origin main
To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
$ git push origin main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 791 bytes | 396.00 KiB/s, done.
Total 7 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/dwools/502A-Git-GitHub-Assignment.git
93a8282..6df1f33 main -> main
https://github.com/dwools/502A-Git-GitHub-Assignment/commit/973abc36f80c36ad302e4ed0b99b298383fa4f6d
Type here to search
10:34 AM
11/15/2023

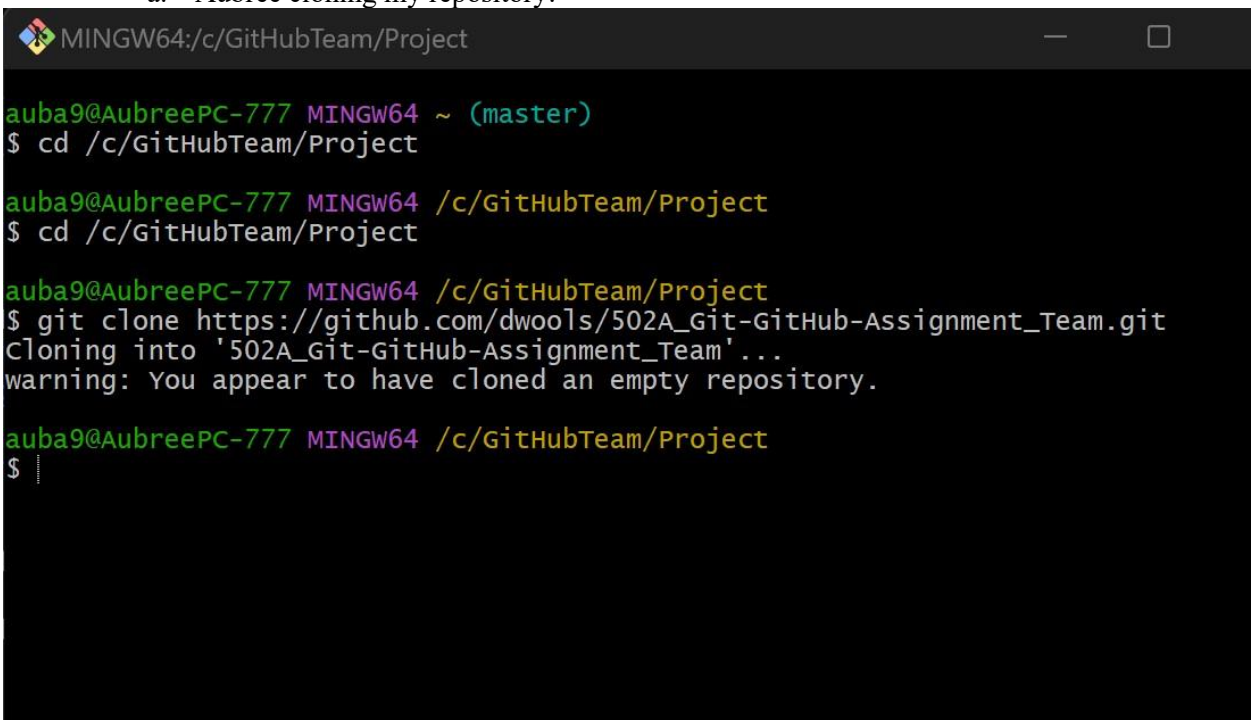
8. Create another repo on GitHub and clone it to your machine.



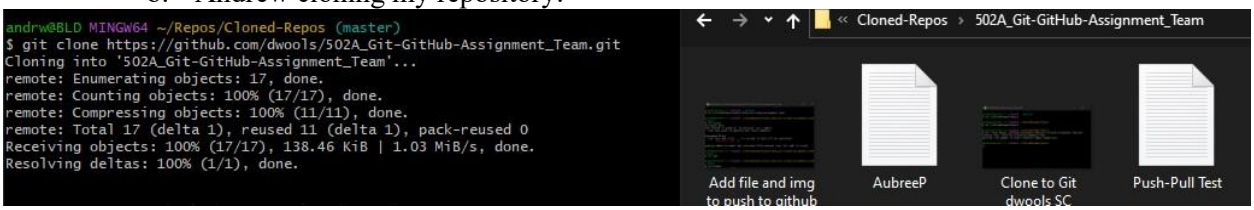
9. Invite your team members to one of your repos on GitHub (SC)



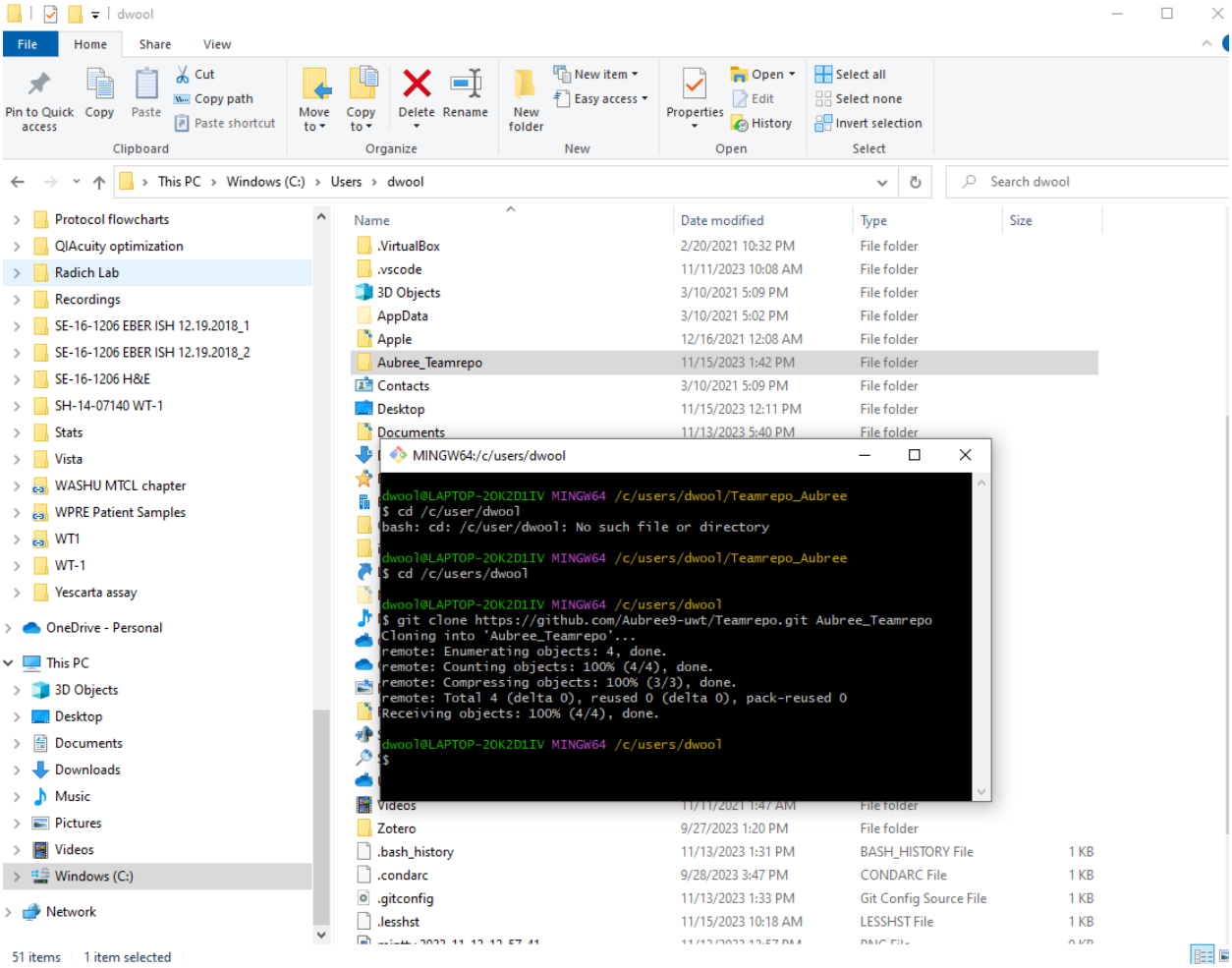
10. Have them clone the repo to their local machine.
    a. Aubree cloning my repository:

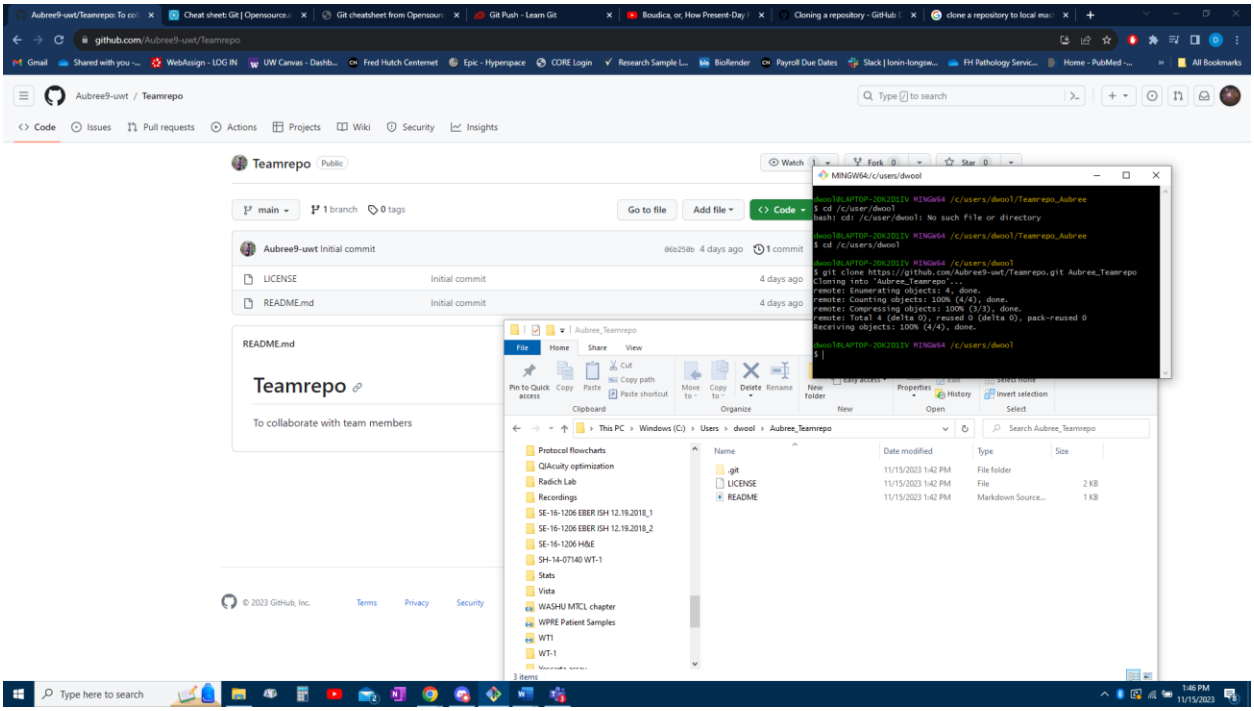


    b. Andrew cloning my repository:

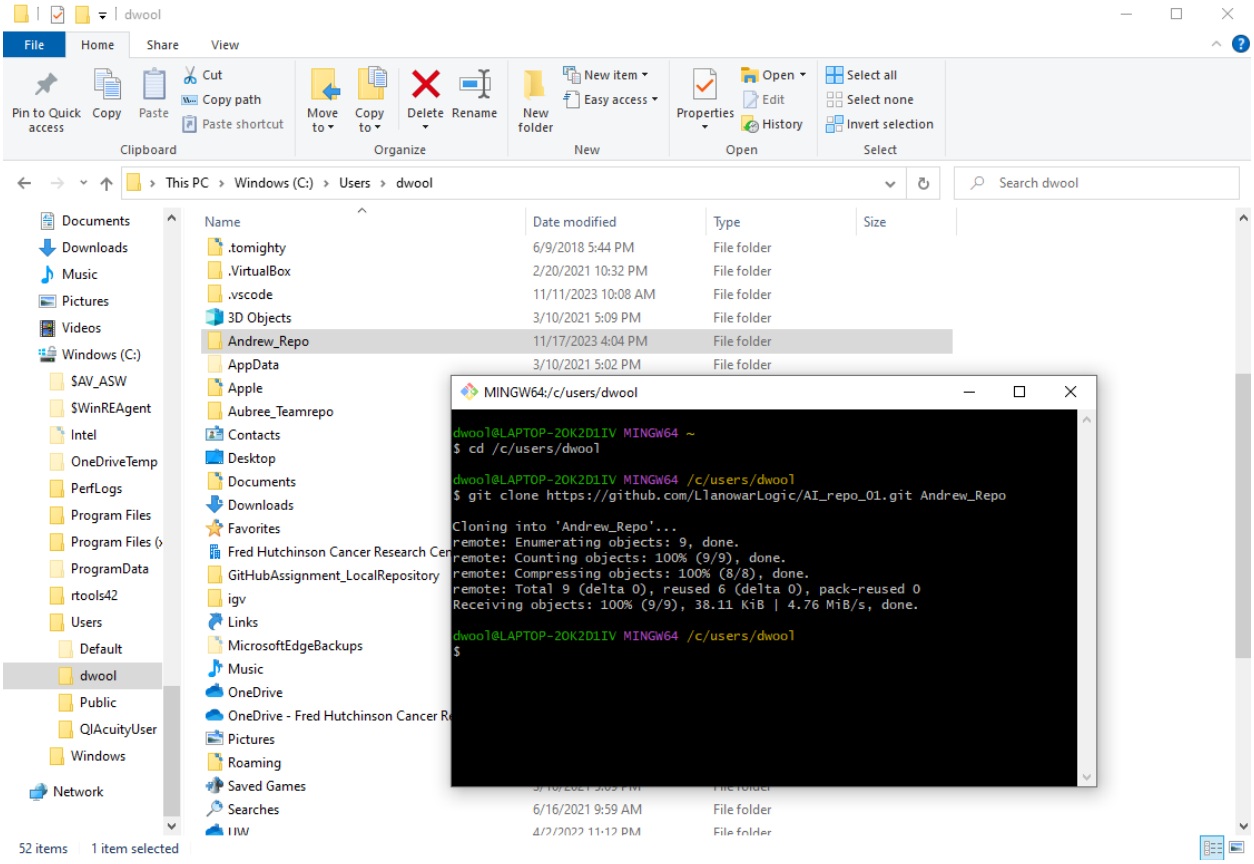


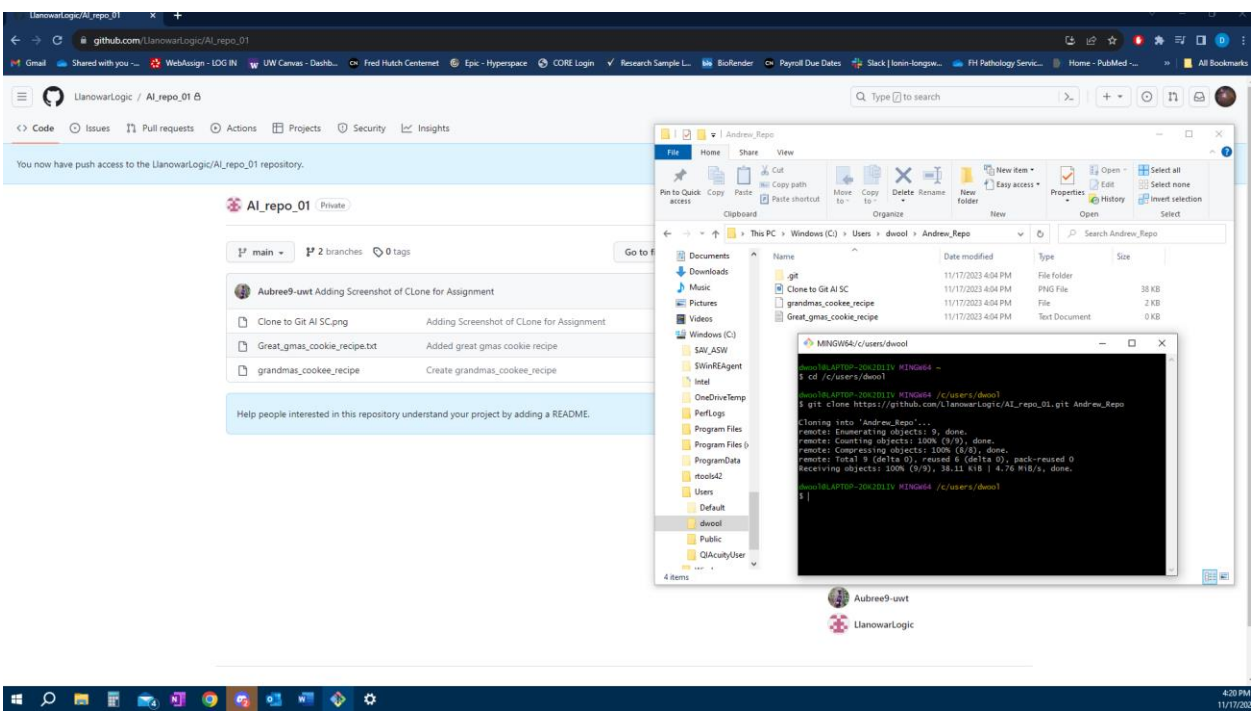
    c. My cloning Aubree's repository:


dwool
File Home Share View
Pin to Quick access Copy Paste Cut Copy path Paste shortcut
Clipboard
Move to Copy to Delete Rename
Organize
New folder New item Easy access
New
Properties Open Edit History
Open
Select all Select none Invert selection
Select
This PC › Windows (C:) › Users › dwool
Search dwool
Protocol flowcharts
QIAcuity optimization
Radich Lab
Recordings
SE-16-1206 EBER ISH 12.19.2018_1
SE-16-1206 EBER ISH 12.19.2018_2
SE-16-1206 H&E
SH-14-07140 WT-1
Stats
Vista
WASHU MTCL chapter
WPRE Patient Samples
WT1
WT-1
Yescarta assay
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
Network
Name Date modified Type Size
.VirtualBox 2/20/2021 10:32 PM File folder
.vscode 11/11/2023 10:08 AM File folder
3D Objects 3/10/2021 5:09 PM File folder
AppData 3/10/2021 5:02 PM File folder
Apple 12/16/2021 12:08 AM File folder
Aubree_Teamrepo 11/15/2023 1:42 PM File folder
Contacts 3/10/2021 5:09 PM File folder
Desktop 11/15/2023 12:11 PM File folder
Documents 11/13/2023 5:40 PM File folder
Zotero 9/27/2023 1:20 PM File folder
.bash_history 11/13/2023 1:31 PM BASH_HISTORY File 1 KB
.condarc 9/28/2023 3:47 PM CONDARC File 1 KB
.gitconfig 11/13/2023 1:33 PM Git Config Source File 1 KB
.lesshst 11/15/2023 10:18 AM LESSHST File 1 KB
51 items 1 item selected
MINGW64:/c/users/dwool
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/Teamrepo_Aubree
$ cd /c/user/dwool
bash: cd: /c/user/dwool: No such file or directory
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/Teamrepo_Aubree
$ cd /c/users/dwool
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool
$ git clone https://github.com/Aubree9-uwt/Teamrepo.git Aubree_Teamrepo
Cloning into 'Aubree_Teamrepo'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), done.
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool
$

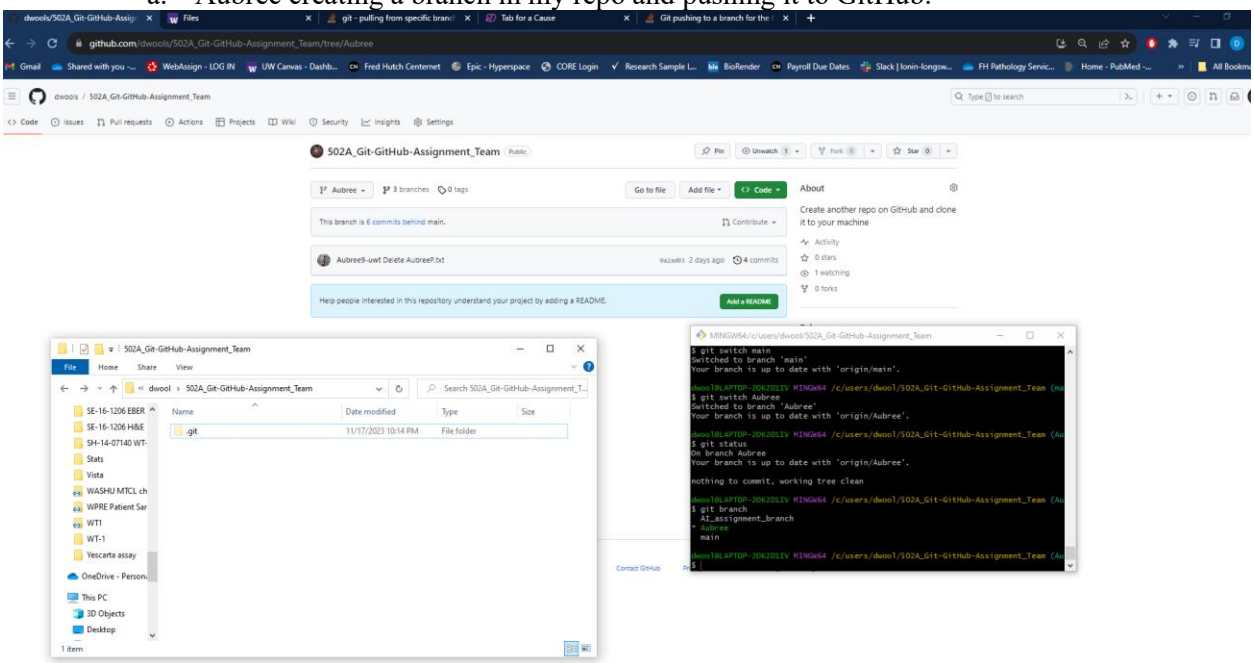

github.com/Aubree9-uwt/Teamrepo
Aubree9-uwt / Teamrepo
Code Issues Pull requests Actions Projects Wiki Security Insights
Teamrepo Public
main 1 branch 0 tags
Go to file Add file Code
Aubree9-uwt Initial commit
LICENSE Initial commit 4 days ago
README.md Initial commit 4 days ago
README.md
Teamrepo
To collaborate with team members
MINGW64:/c/users/dwool
Aubree_Teamrepo
.git
LICENSE
README
© 2023 GitHub, Inc. Terms Privacy Security

d. My cloning Andrew's repository:



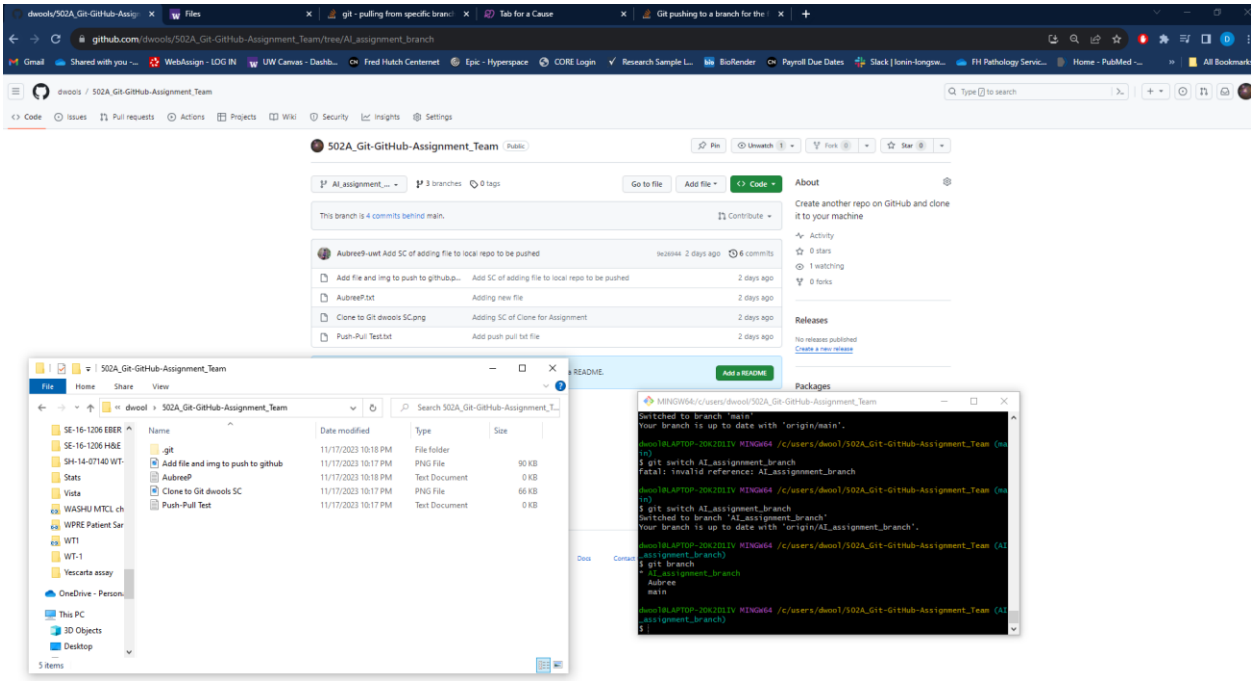


11. Have them create their own branch in that repo on their local machine then push the new branch up to GitHub (Aubree).
    a. Aubree creating a branch in my repo and pushing it to GitHub:



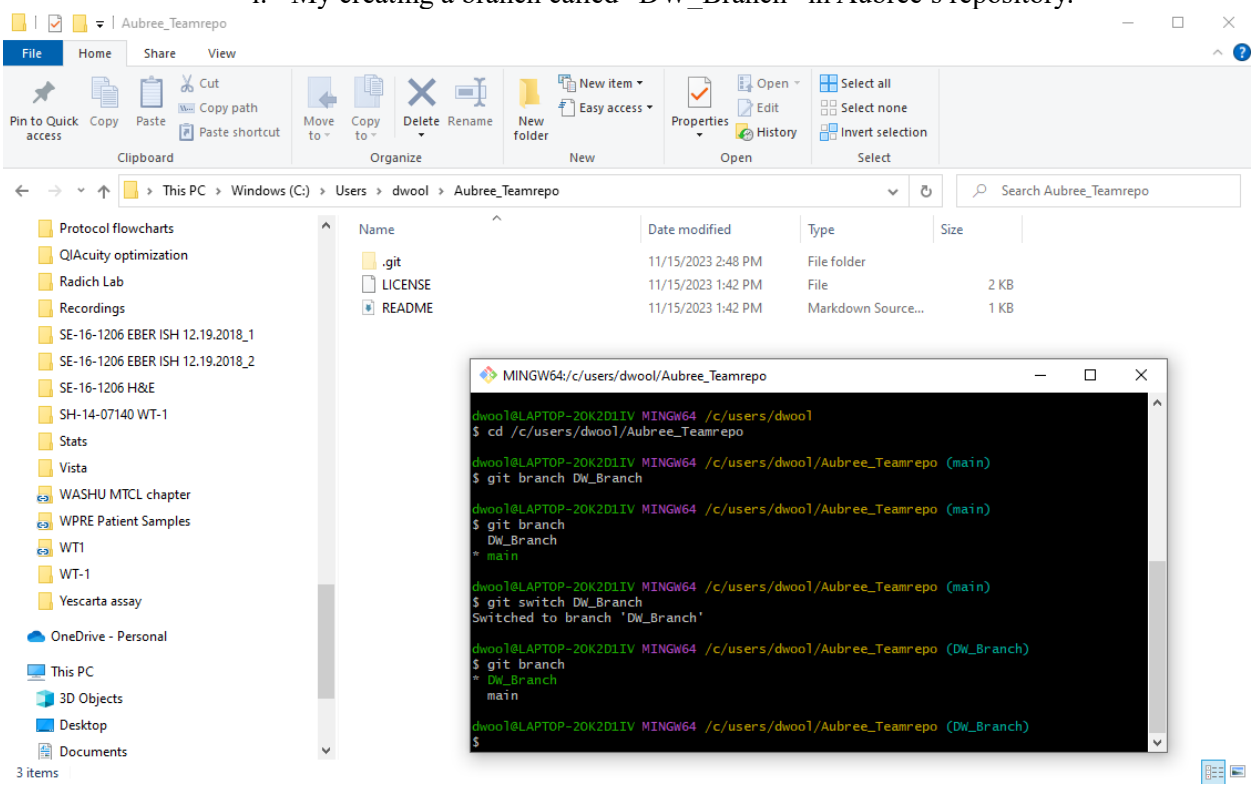
    b. Andrew creating a branch in my repo and pushing it to GitHub:

```
andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos (master)
$ cd C://Users/andrw/Repos/Cloned-Repos/502A_Git-GitHub-Assignment_Team

andrw@BLD MINGW64 ~/Repos/Cloned-Repos/502A_Git-GitHub-Assignment_Team (main)
$ git branch AI_assignment_branch

andrw@BLD MINGW64 ~/Repos/Cloned-Repos/502A_Git-GitHub-Assignment_Team (main)
$ git switch AI_assignment_branch
Switched to branch 'AI_assignment_branch'

andrw@BLD MINGW64 ~/Repos/Cloned-Repos/502A_Git-GitHub-Assignment_Team (AI_assignment_branch)
$ git push --set-upstream origin AI_assignment_branch
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'AI_assignment_branch' on GitHub by visiting:
remote:      https://github.com/dwools/502A_Git-GitHub-Assignment_Team/pull/new/AI_assignment_
branch
remote:
To https://github.com/dwools/502A_Git-GitHub-Assignment_Team.git
 * [new branch]      AI_assignment_branch -> AI_assignment_branch
branch 'AI_assignment_branch' set up to track 'origin/AI_assignment_branch'.

andrw@BLD MINGW64 ~/Repos/Cloned-Repos/502A_Git-GitHub-Assignment_Team (AI_assignment_branch)
$
```

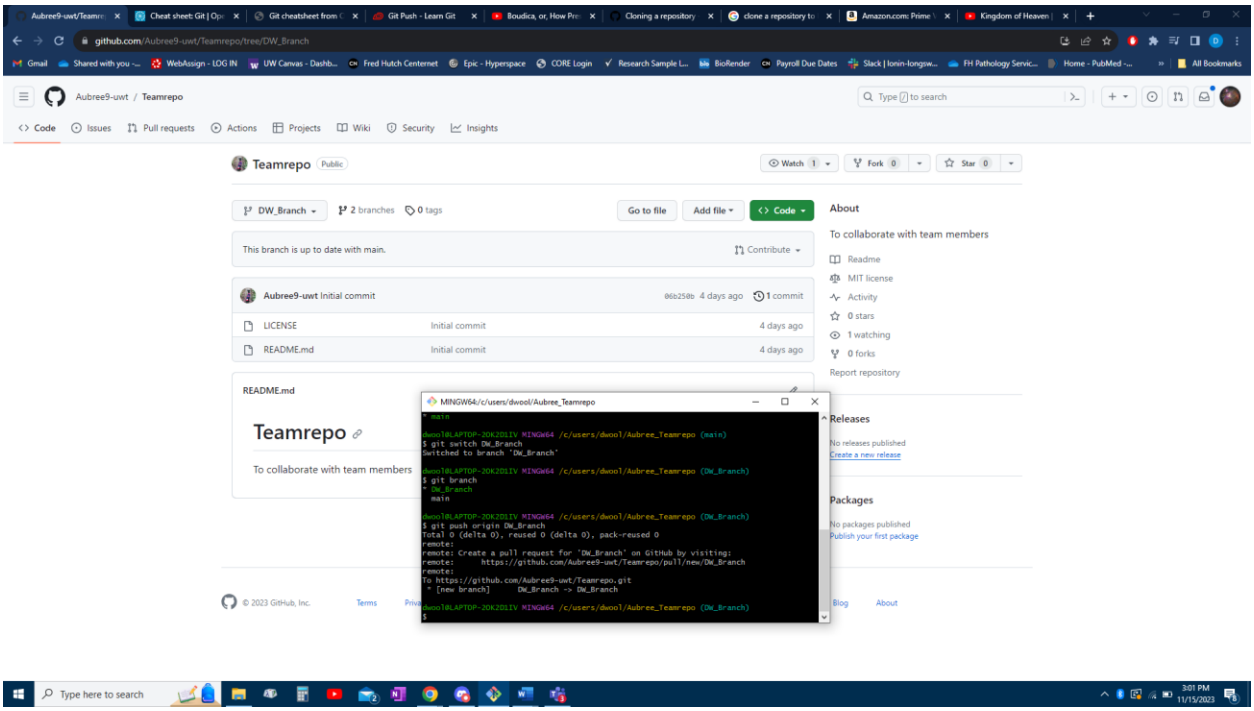


c. Aubree

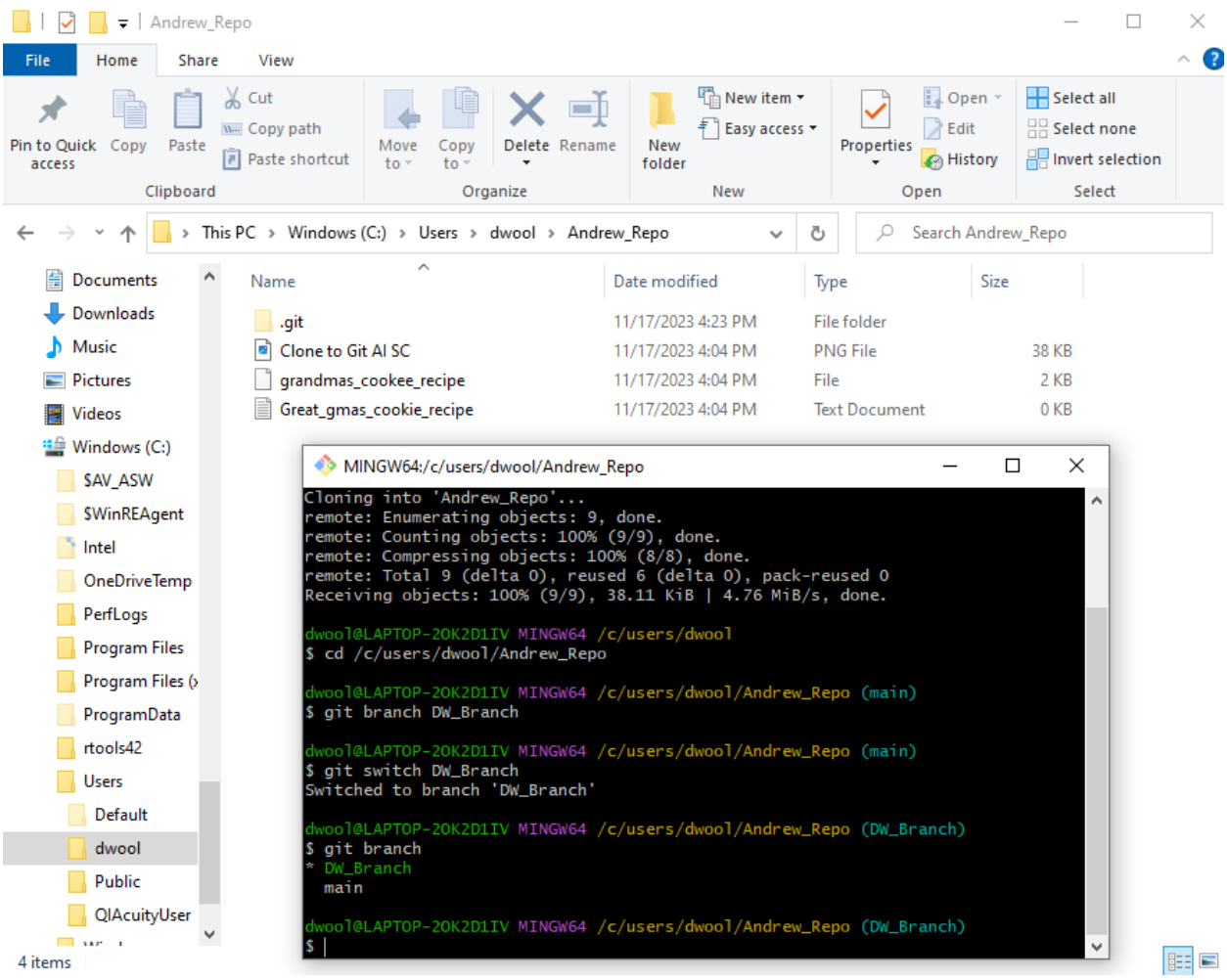
i. My creating a branch called “DW_Branch” in Aubree’s repository.



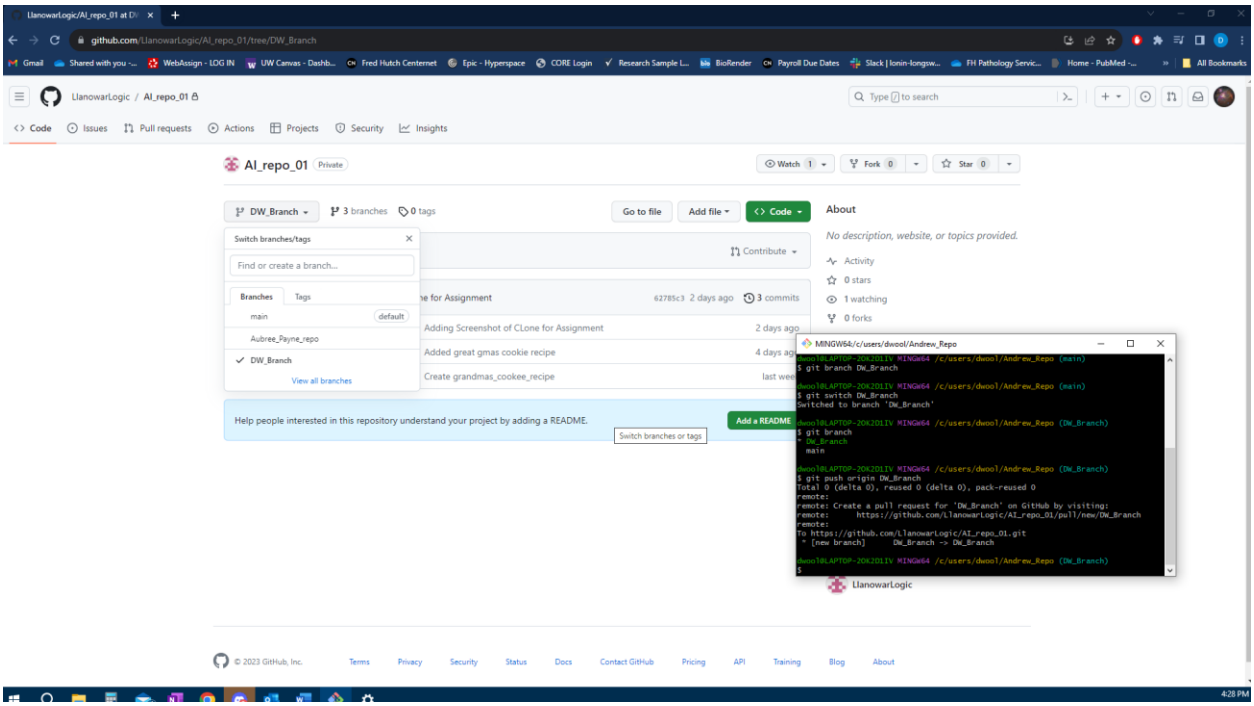
ii. My pushing the branch “DW_Branch” in Aubree’s repository to GitHub.



d. Andrew
   i. My creating a branch called “DW_Branch” in Andrew’s repository.



ii. My pushing the branch “DW_Branch” in Andrew’s repository to GitHub.


LlanowarLogic/AI_repo_01 at DW
github.com/LlanowarLogic/AI_repo_01/tree/DW_Branch
LlanowarLogic / AI_repo_01
Code
Issues
Pull requests
Actions
Projects
Security
Insights
AI_repo_01
Private
Watch 1
Fork 0
Star 0
DW_Branch
3 branches
0 tags
Go to file
Add file
Code
About
No description, website, or topics provided.
Switch branches/tags
Find or create a branch...
Branches
Tags
main
default
Aubree_Payne_repo
DW_Branch
View all branches
Contribute
Activity
0 stars
1 watching
0 forks
62785c3 2 days ago
3 commits
Adding Screenshot of CLone for Assignment
2 days ago
Added great gmas cookie recipe
Create grandmas_cookee_recipe
Help people interested in this repository understand your project by adding a README.
Add a README
Switch branches or tags
MINGW64:/c/users/dwool/Andrew_Repo
dwool@LAPTOP-2OK2OIIV MINGW64 /c/users/dwool/Andrew_Repo (main)
$ git branch DW_Branch
dwool@LAPTOP-2OK2OIIV MINGW64 /c/users/dwool/Andrew_Repo (main)
$ git switch DW_Branch
Switched to branch 'DW_Branch'
dwool@LAPTOP-2OK2OIIV MINGW64 /c/users/dwool/Andrew_Repo (DW_Branch)
$ git branch
* DW_Branch
main
dwool@LAPTOP-2OK2OIIV MINGW64 /c/users/dwool/Andrew_Repo (DW_Branch)
$ git push origin DW_Branch
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'DW_Branch' on GitHub by visiting:
remote: https://github.com/LlanowarLogic/AI_repo_01/pull/new/DW_Branch
remote:
To https://github.com/LlanowarLogic/AI_repo_01.git
* [new branch] DW_Branch -> DW_Branch
dwool@LAPTOP-2OK2OIIV MINGW64 /c/users/dwool/Andrew_Repo (DW_Branch)
$
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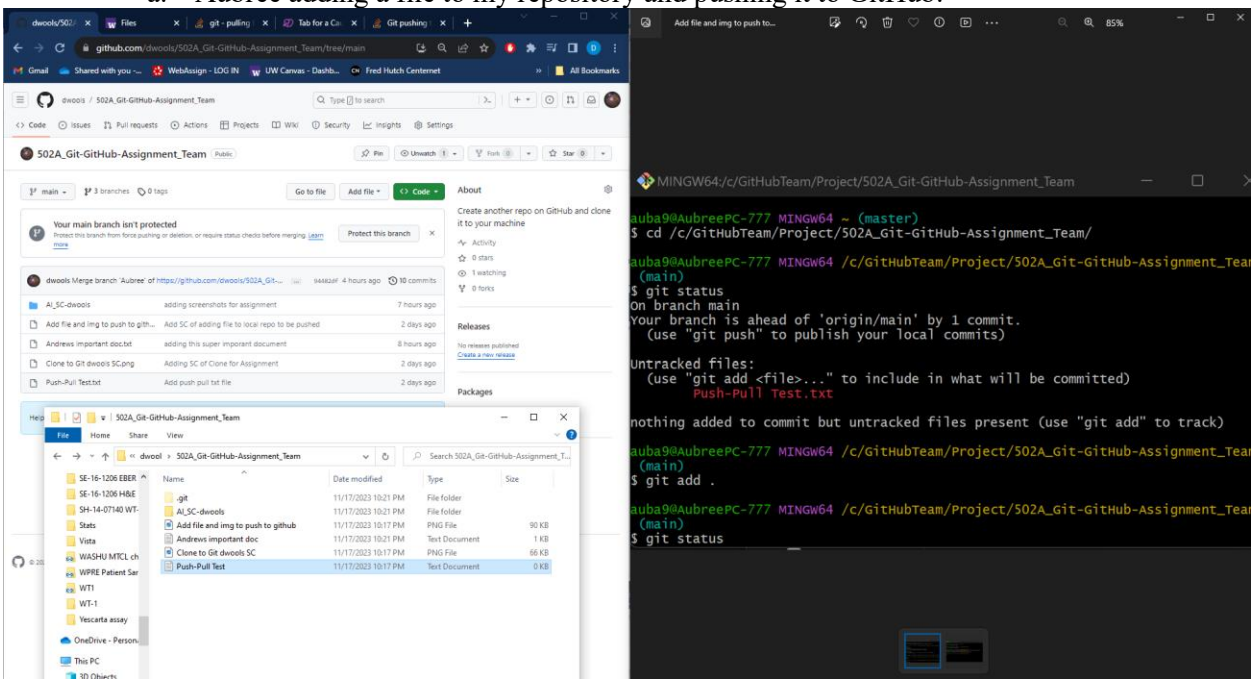
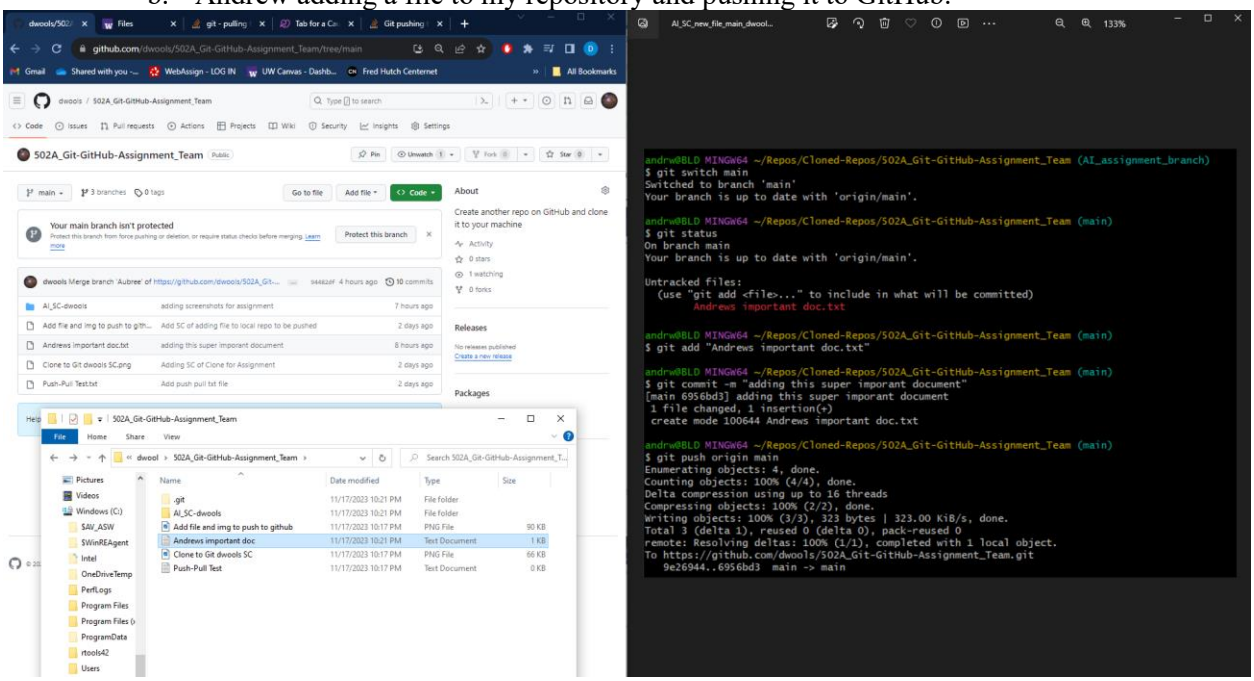
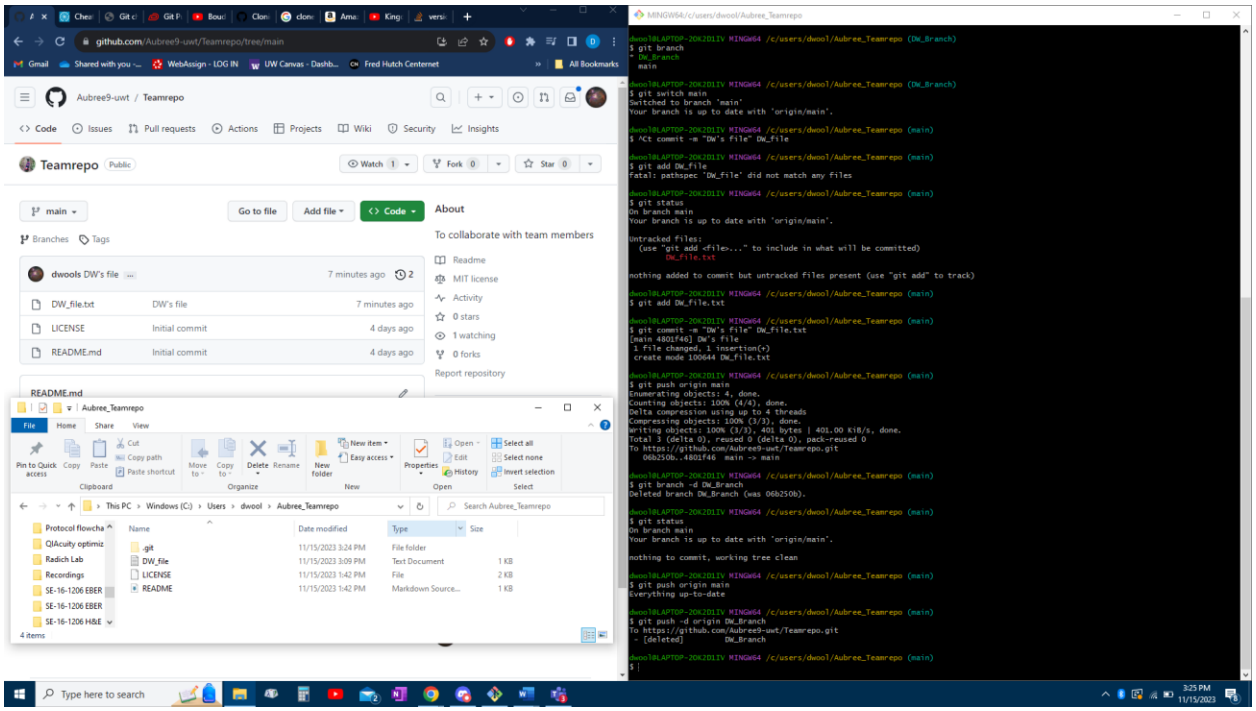
12. Have each team member add a file to the master/main branch from their local machine and push that up to GitHub.
    a. Aubree adding a file to my repository and pushing it to GitHub:



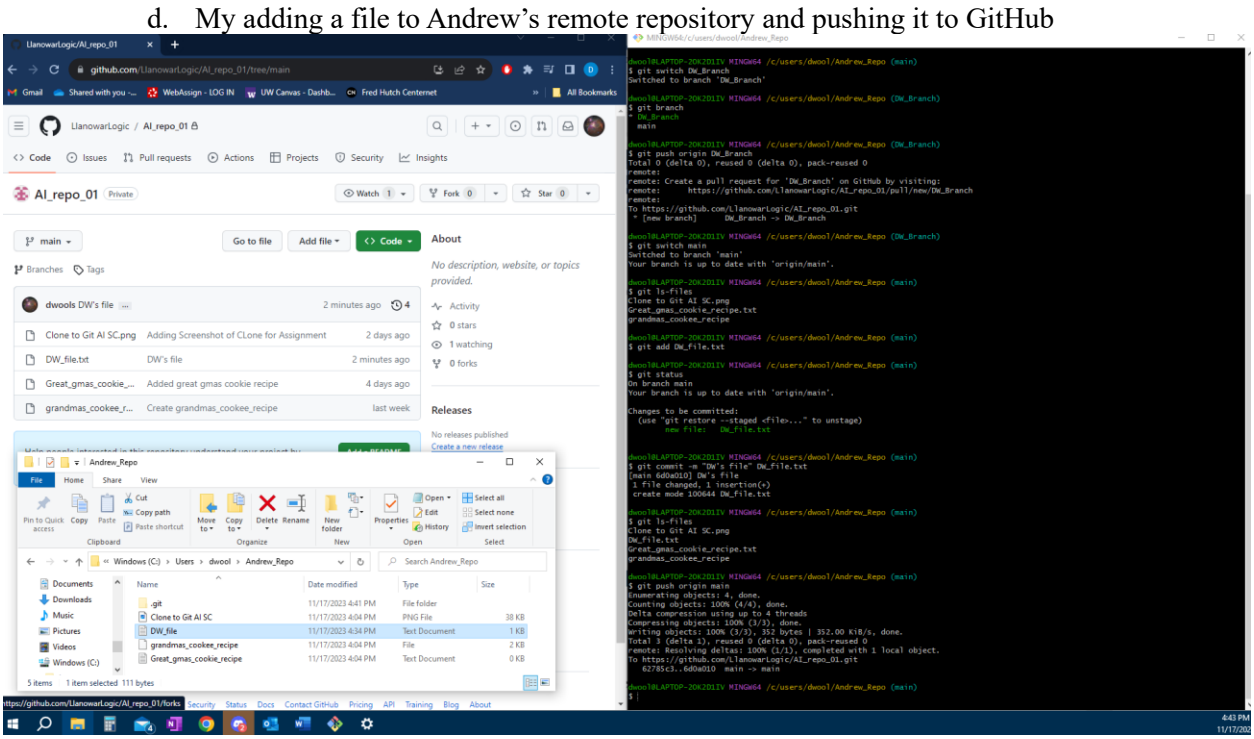
    b. Andrew adding a file to my repository and pushing it to GitHub:



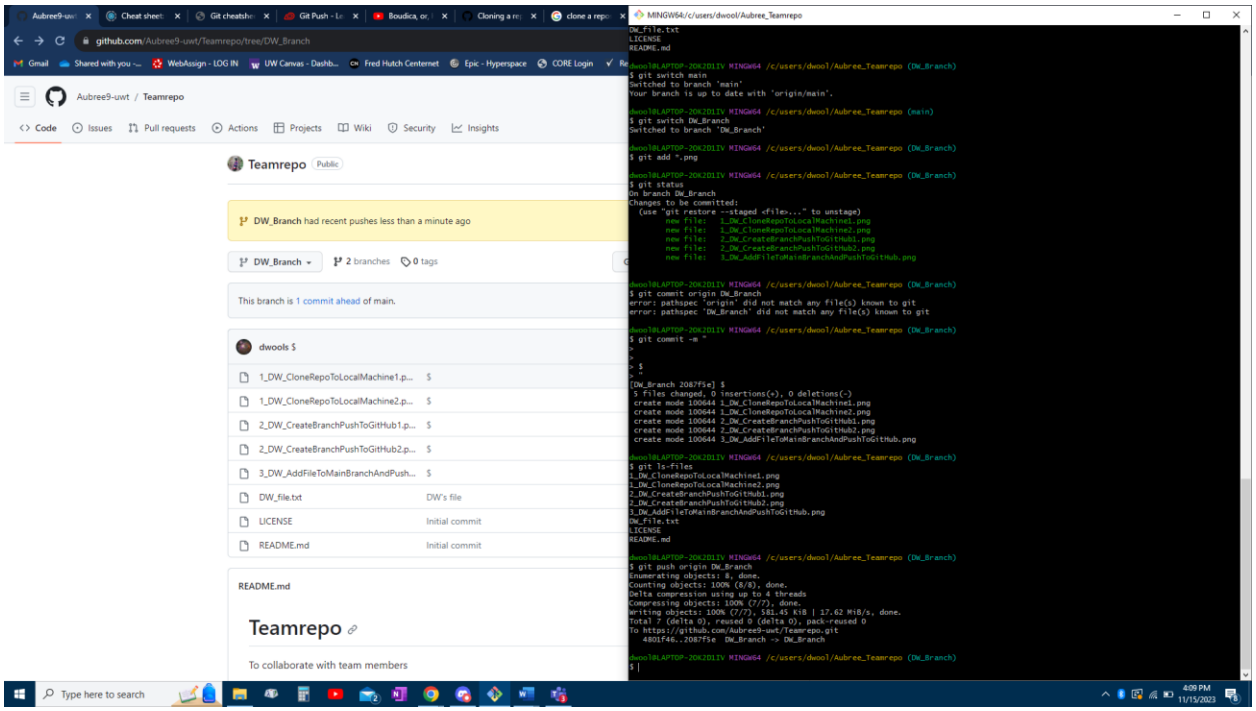
    c. My adding a file to Aubree's repository and pushing it to GitHub.



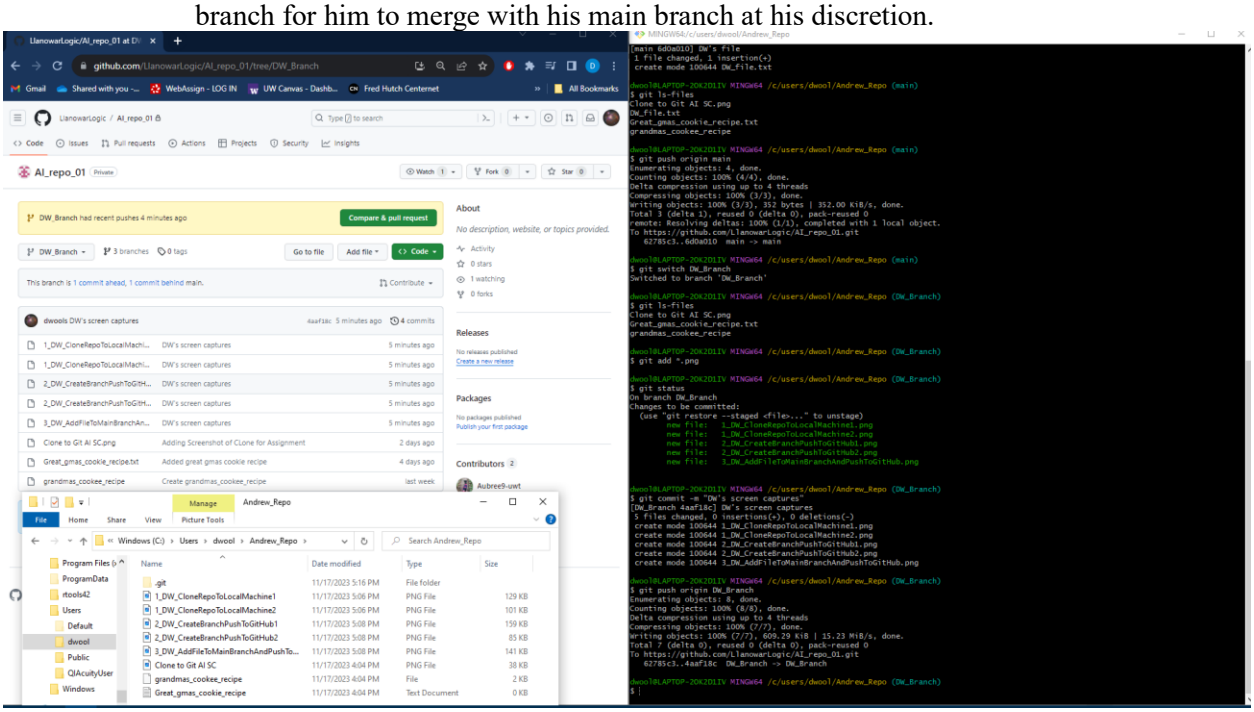
d. My adding a file to Andrew's remote repository and pushing it to GitHub



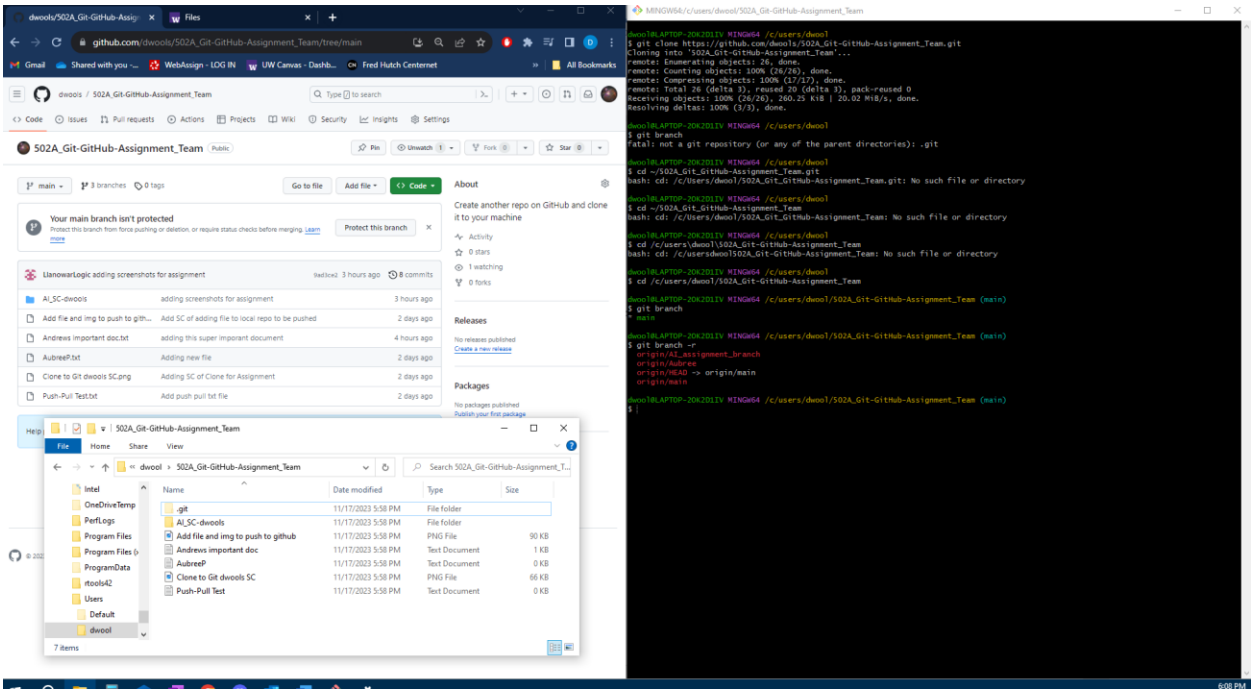
13. Practice push/pull with GitHub repo to make sure everyone stays in synch with the files on GitHub (SC as necessary to show this)
    a. Pushing screenshots of my work with Aubree's GitHub repo. I pushed them to my own branch for her to merge with her main branch at her discretion.



b. Pushing screenshots of my work with Andrew's GitHub repo. I pushed them to my own branch for him to merge with his main branch at his discretion.

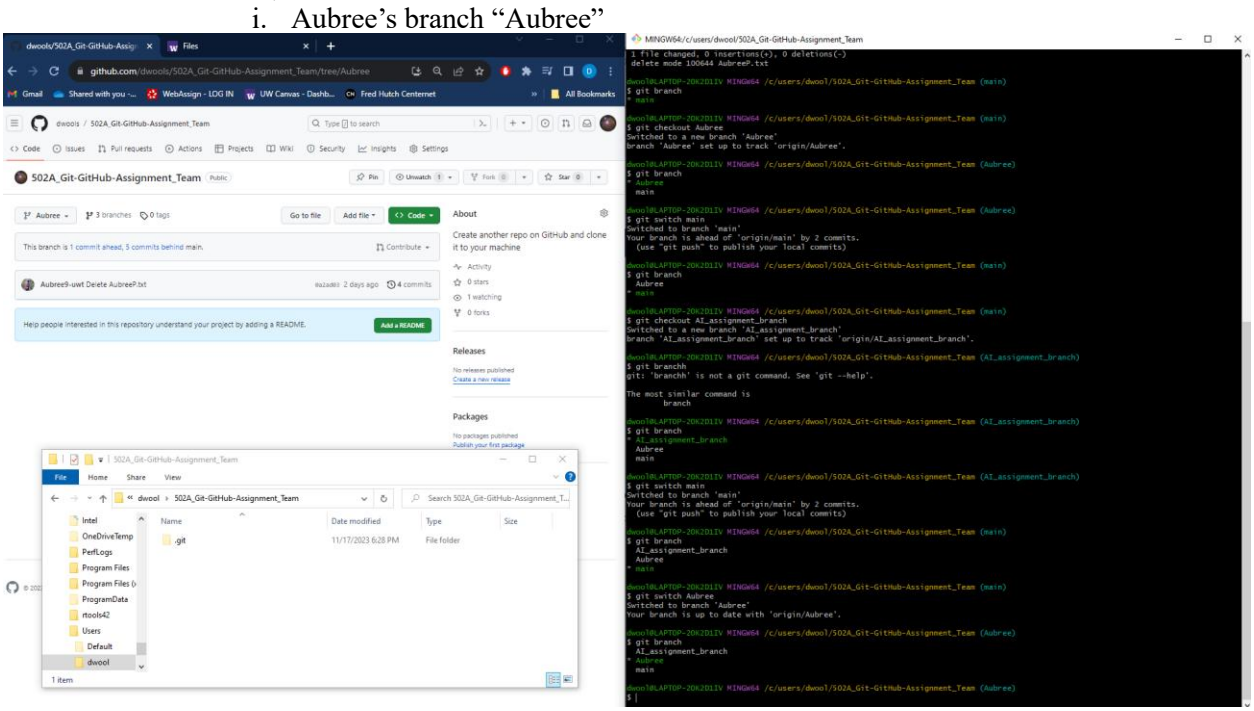


c. Cloning my Team repository to my local directory

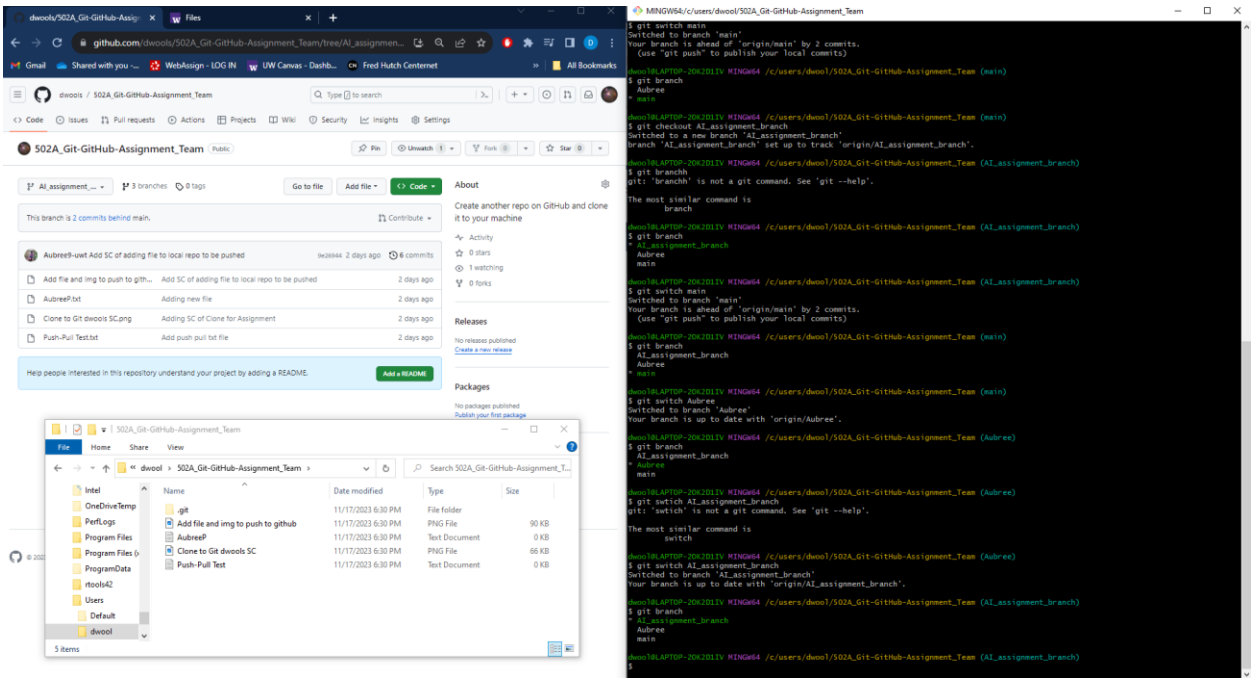


d. Checking out Audree's and Andrew's branches from GitHub (only the main branch was cloned)

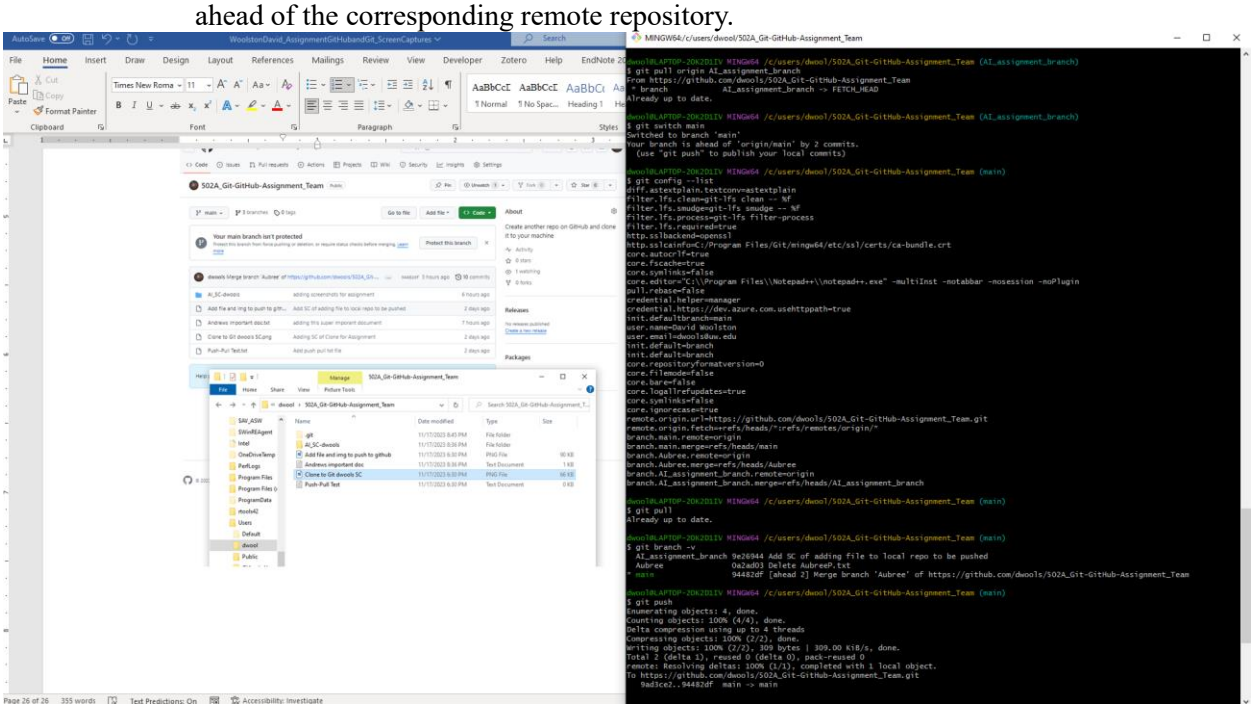
i. Aubree's branch "Aubree"

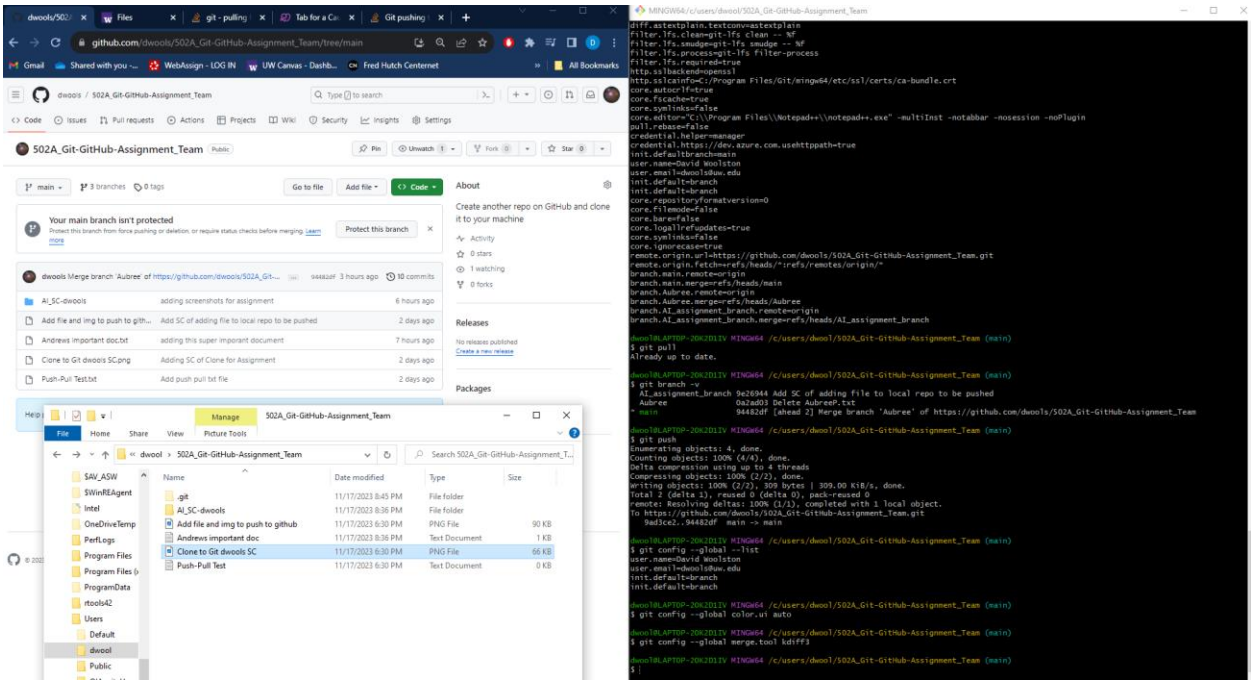


ii. Andrew's branch "AI_assignment_branch"

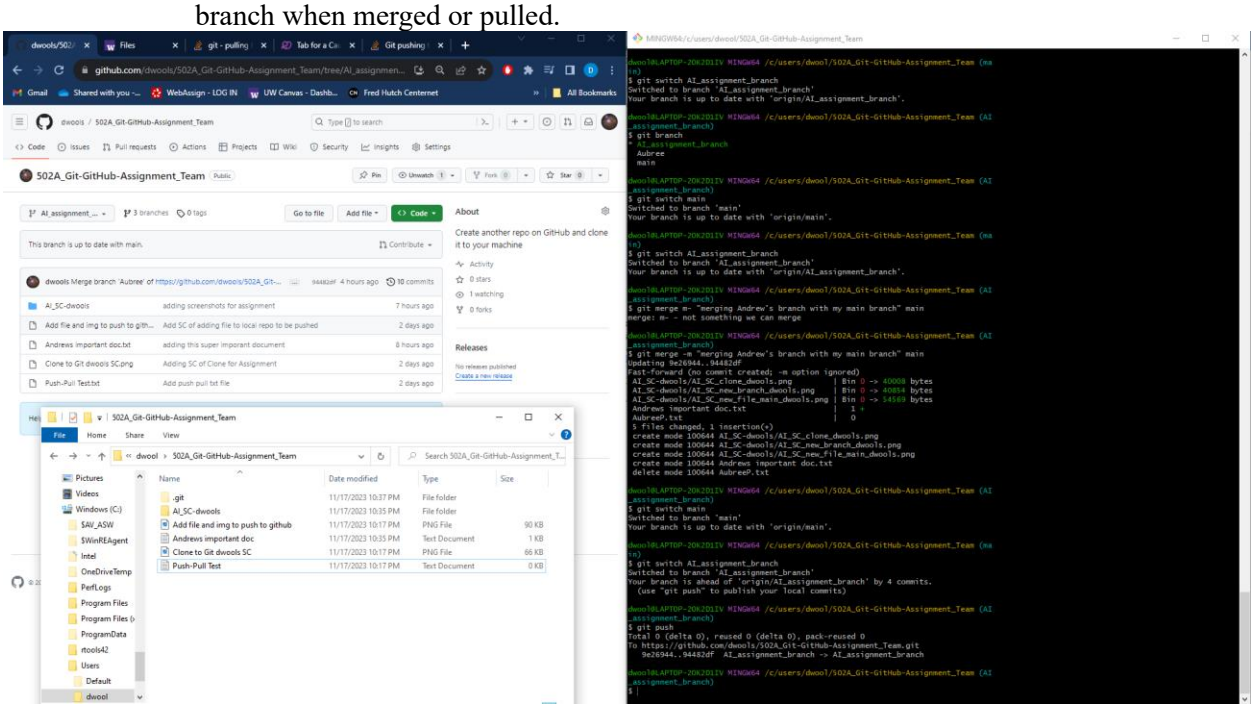


e. Aubree and Andrew pushed their files directly to my main branch. No material to pull from their respective branches. I pushed my local main branch, which was two commits ahead of the corresponding remote repository.

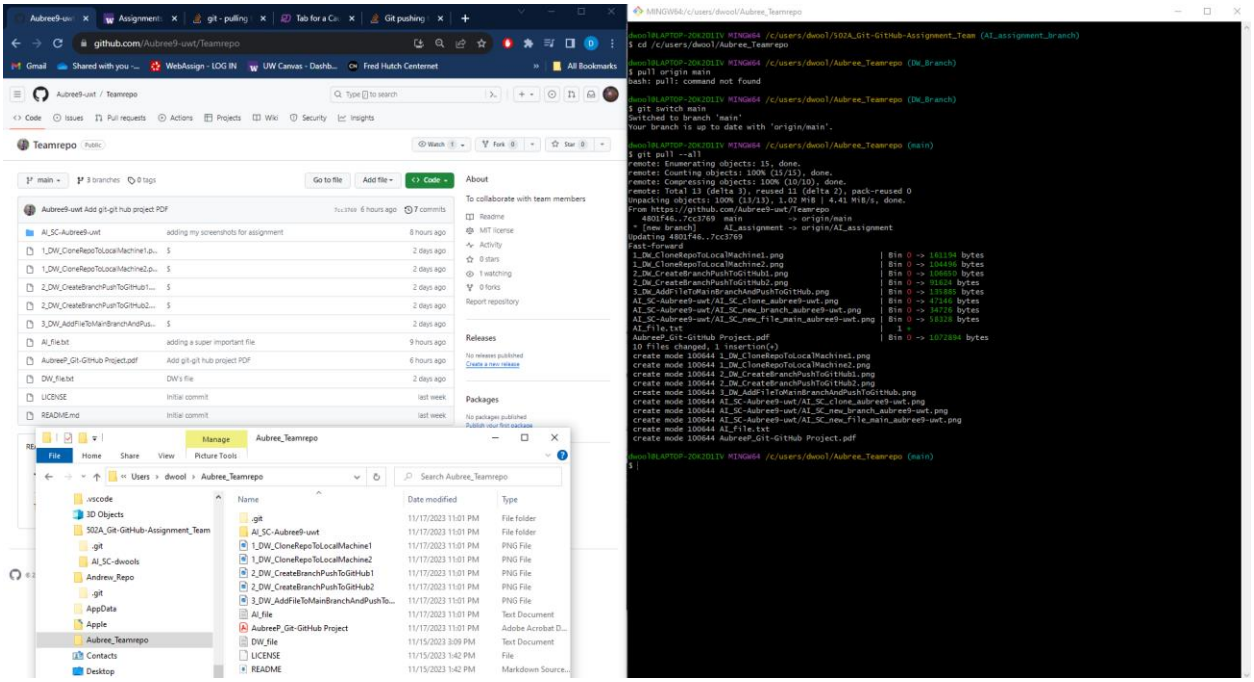




f. My main branch was already updated. For fun, I merged my main branch with Andrew's branch and pushed the updated branch to GitHub. This resulted in the loss of a file titled "Aubree.txt" which had already been deleted, but whose deletion had not been pushed. The "Aubree.txt" file had been in Andrew's branch but would not merge into the main branch when merged or pulled.



g. My pulling the documents from Aubree's Teamrepo main branch to update the cloned repo on my local directory.


Aubree9-uwt / Teamrepo
Teamrepo
Aubree9-uwt Add git-git hub project PDF
AI_SC-Aubree9-uwt
1_DW_CloneRepoToLocalMachine1.p...
1_DW_CloneRepoToLocalMachine2.p...
2_DW_CreateBranchPushToGitHub1...
2_DW_CreateBranchPushToGitHub2...
3_DW_AddFileToMainBranchAndPus...
AI_file.txt
AubreeP_Git-GitHub Project.pdf
DW_file.txt
LICENSE
README.md
About
Releases
Packages
Aubree_Teamrepo
Users › dwool › Aubree_Teamrepo
MINGW64/c/users/dwool/Aubree_Teamrepo
$ cd /c/users/dwool/Aubree_Teamrepo
$ pull origin main
bash: pull: command not found
$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
$ git pull --all
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 13 (delta 3), reused 11 (delta 2), pack-reused 0
Unpacking objects: 100% (13/13), 1.02 MiB | 4.41 MiB/s, done.
From https://github.com/Aubree9-uwt/Teamrepo
4801f46..7cc3769 main -> origin/main
* [new branch] AI_assignment -> origin/AI_assignment
Updating 4801f46..7cc3769
Fast-forward
1_DW_CloneRepoToLocalMachine1.png | Bin 0 -> 161194 bytes
1_DW_CloneRepoToLocalMachine2.png | Bin 0 -> 104496 bytes
2_DW_CreateBranchPushToGitHub1.png | Bin 0 -> 106610 bytes
2_DW_CreateBranchPushToGitHub2.png | Bin 0 -> 91624 bytes
3_DW_AddFileToMainBranchAndPushToGitHub.png | Bin 0 -> 135885 bytes
AI_SC-Aubree9-uwt/AI_SC_clone_aubree9-uwt.png | Bin 0 -> 47346 bytes
AI_SC-Aubree9-uwt/AI_SC_new_branch_aubree9-uwt.png | Bin 0 -> 34726 bytes
AI_SC-Aubree9-uwt/AI_SC_new_file_main_aubree9-uwt.png | Bin 0 -> 58328 bytes
AI_file.txt | 1 +
AubreeP_Git-GitHub Project.pdf | Bin 0 -> 1072894 bytes
10 files changed, 1 insertion(+)
create mode 100644 1_DW_CloneRepoToLocalMachine1.png
create mode 100644 1_DW_CloneRepoToLocalMachine2.png
create mode 100644 2_DW_CreateBranchPushToGitHub1.png
create mode 100644 2_DW_CreateBranchPushToGitHub2.png
create mode 100644 3_DW_AddFileToMainBranchAndPushToGitHub.png
create mode 100644 AI_SC-Aubree9-uwt/AI_SC_clone_aubree9-uwt.png
create mode 100644 AI_SC-Aubree9-uwt/AI_SC_new_branch_aubree9-uwt.png
create mode 100644 AI_SC-Aubree9-uwt/AI_SC_new_file_main_aubree9-uwt.png
create mode 100644 AI_file.txt
create mode 100644 AubreeP_Git-GitHub Project.pdf