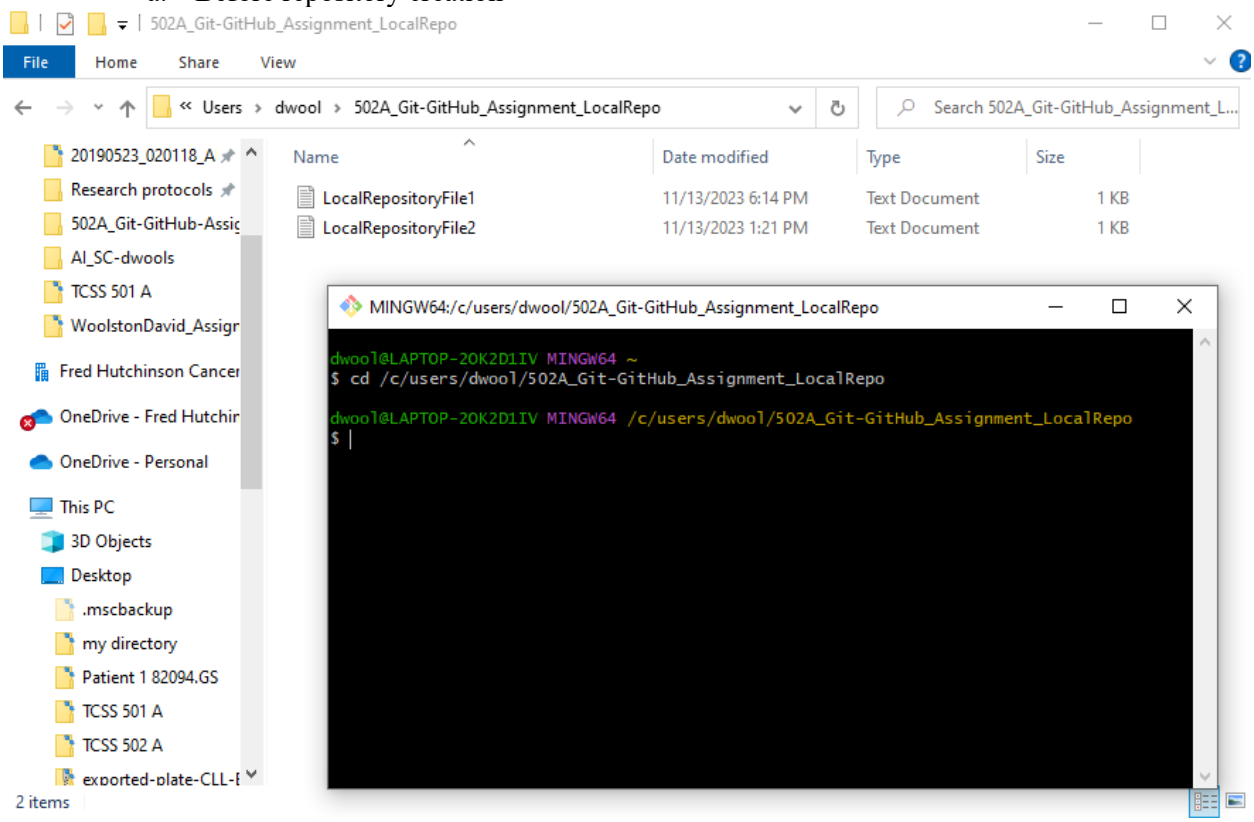
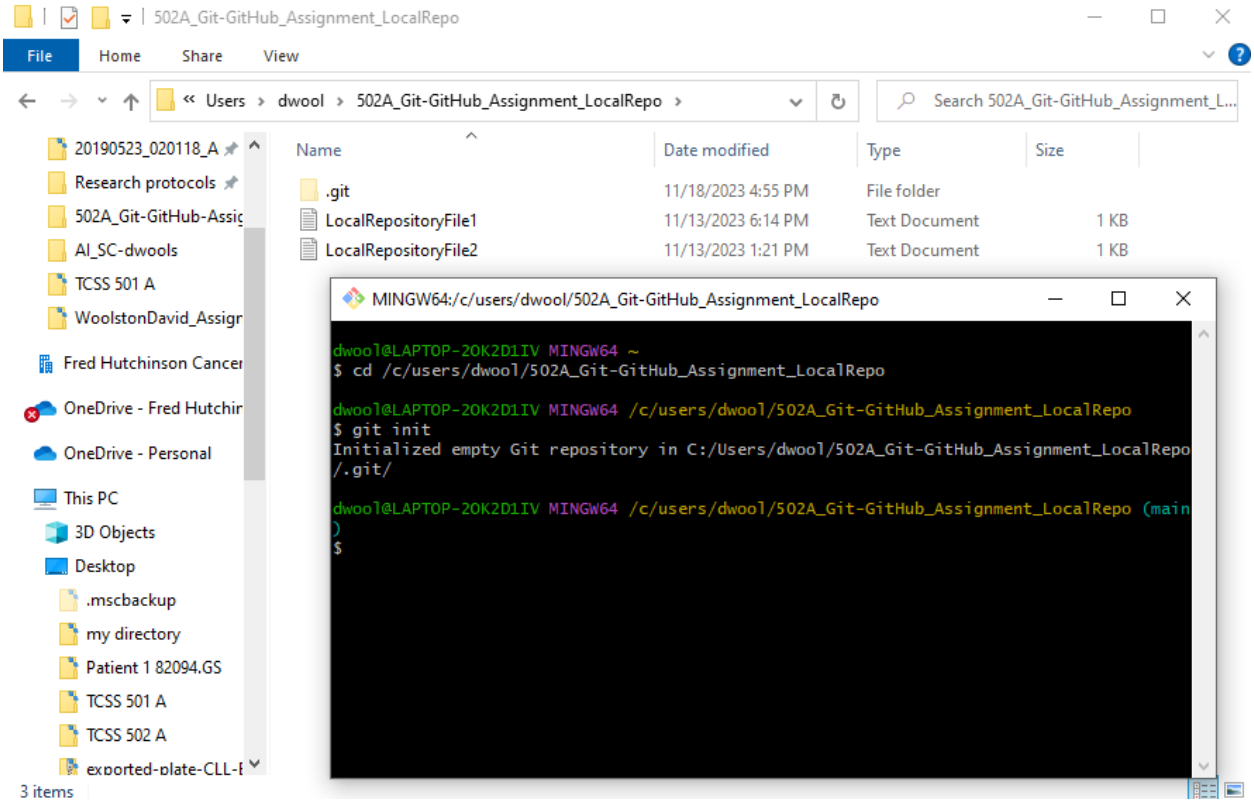
David Woolston
TCSS 502-A
Git and GitHub Assignment
18 November 2023

1. Create local repository:

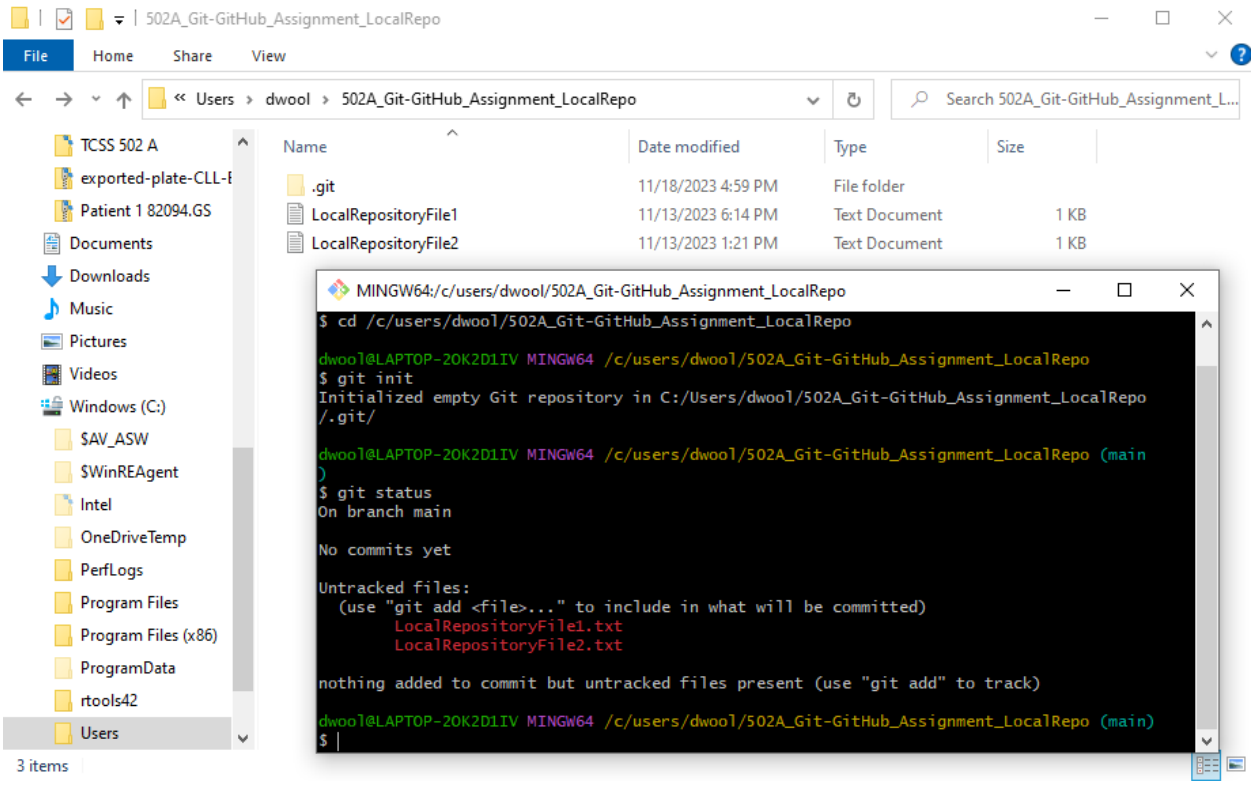
   a. Before repository creation



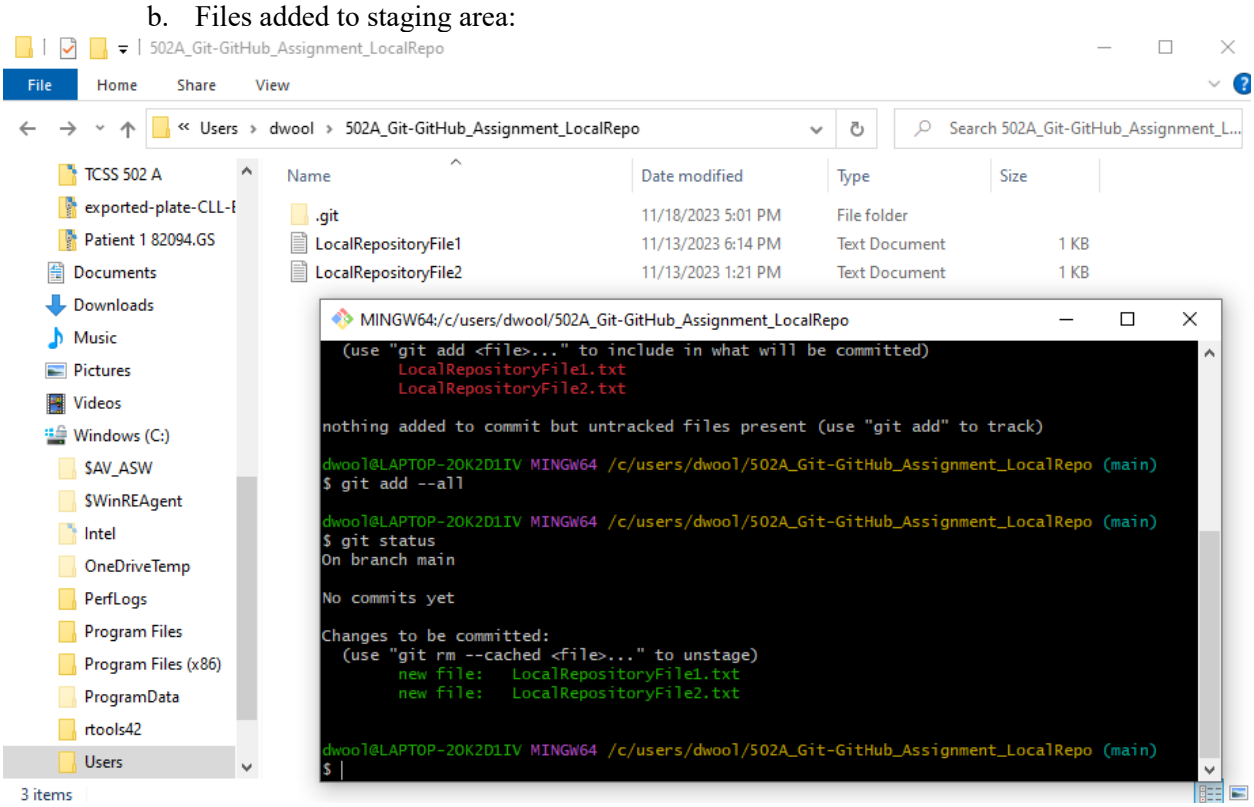
b. After repository creation



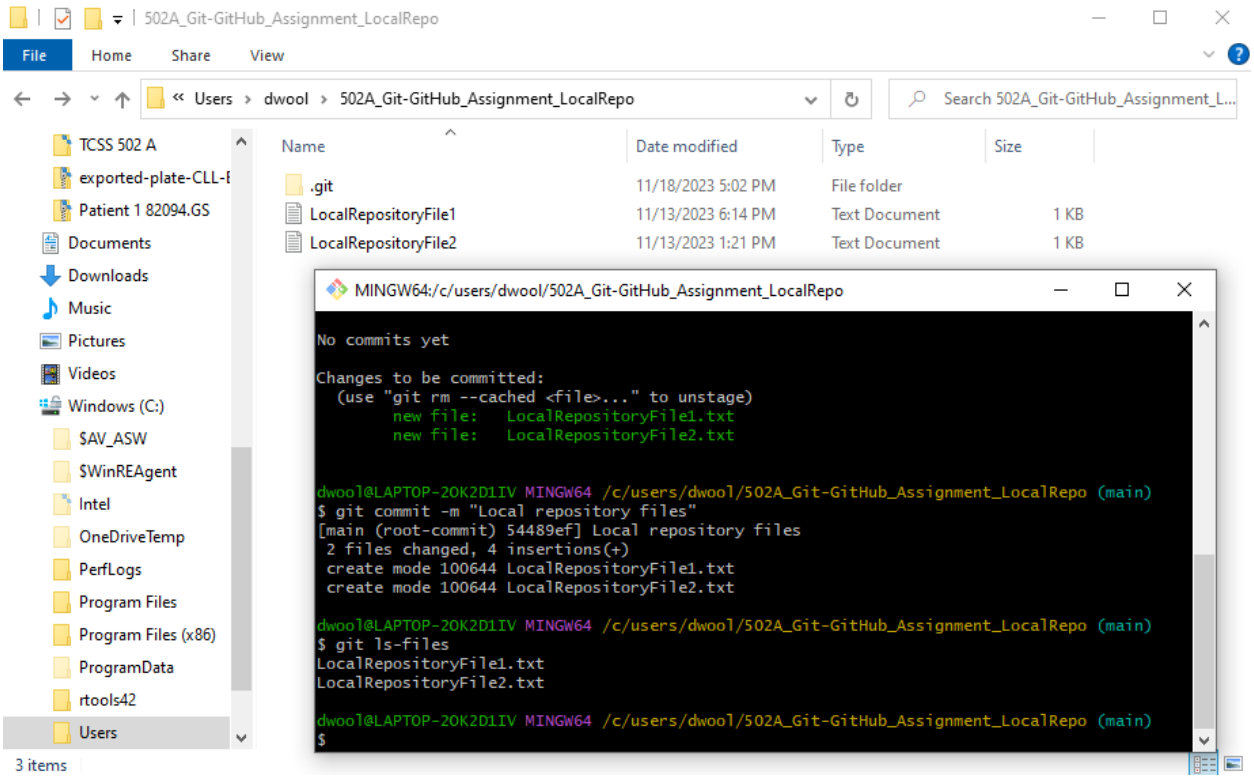
2. Add a couple files to the repository:
   a. Files in directory but not in repository:



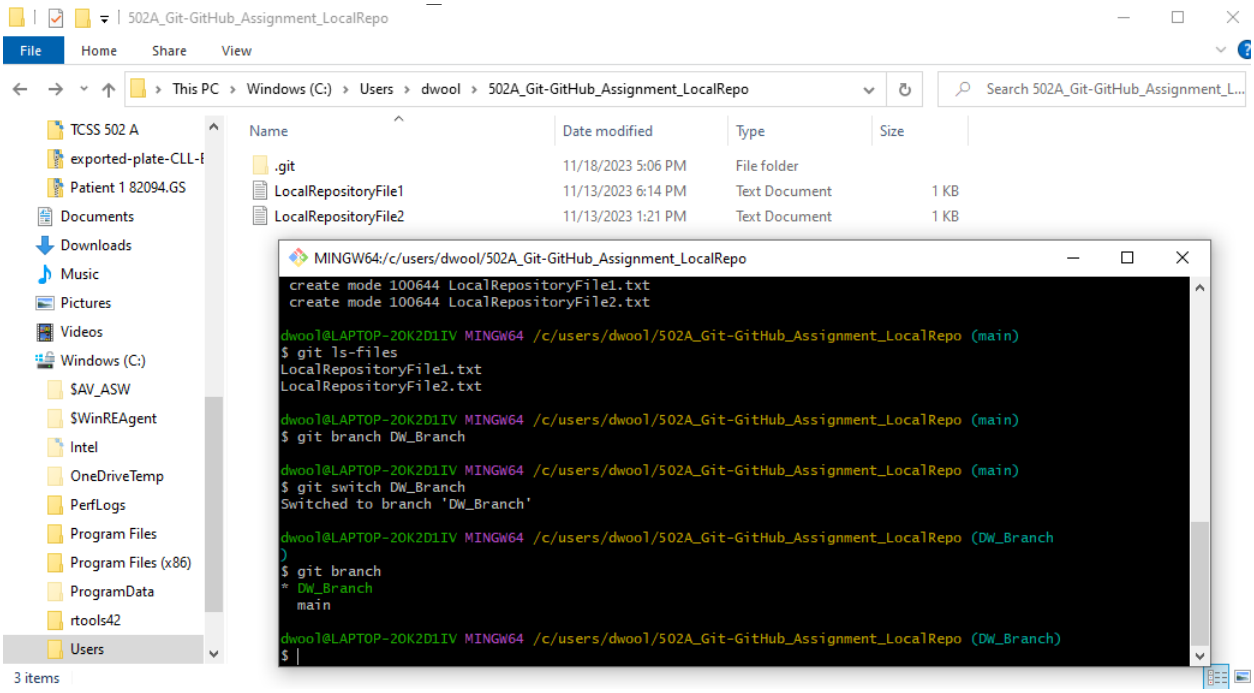
   b. Files added to staging area:



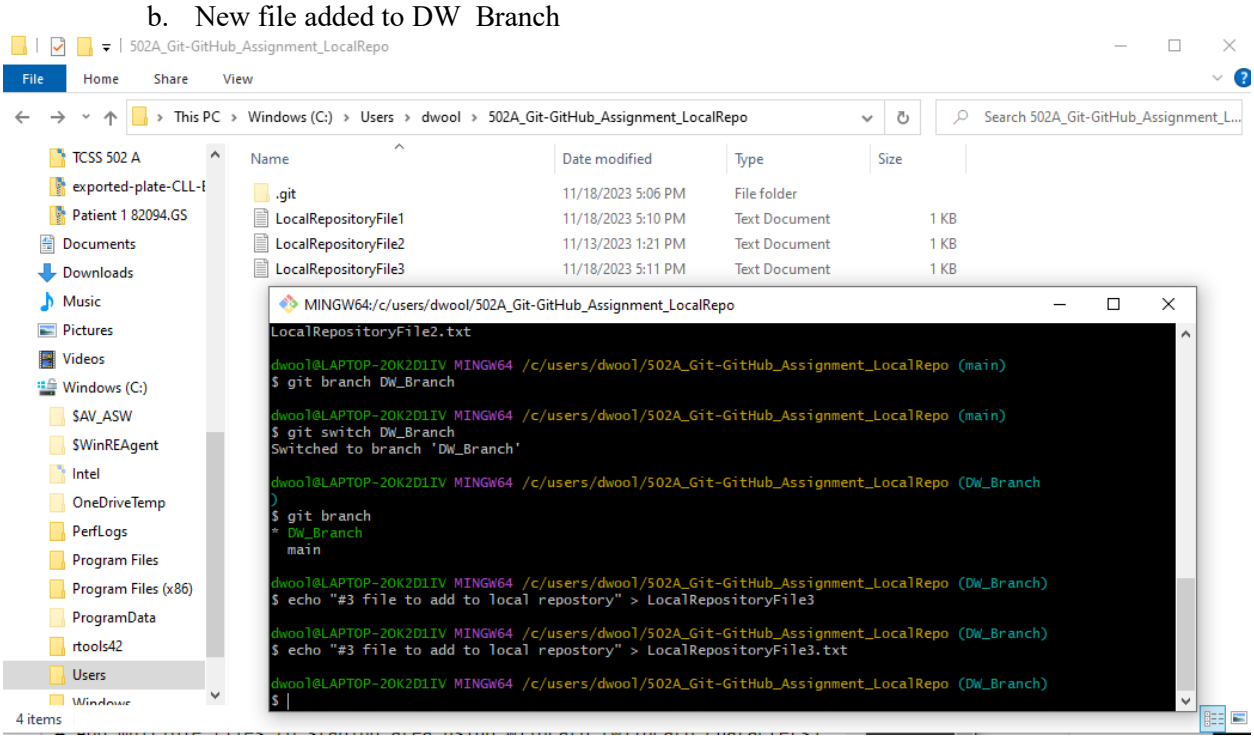
   c. Files committed to local repository:


502A_Git-GitHub_Assignment_LocalRepo
File
Home
Share
View
« Users › dwool › 502A_Git-GitHub_Assignment_LocalRepo
Search 502A_Git-GitHub_Assignment_L...
TCSS 502 A
exported-plate-CLL-
Patient 1 82094.GS
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
$AV_ASW
$WinREAgent
Intel
OneDriveTemp
PerfLogs
Program Files
Program Files (x86)
ProgramData
rtools42
Users
3 items
Name
Date modified
Type
Size
.git
11/18/2023 5:02 PM
File folder
LocalRepositoryFile1
11/13/2023 6:14 PM
Text Document
1 KB
LocalRepositoryFile2
11/13/2023 1:21 PM
Text Document
1 KB
MINGW64:/c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo
No commits yet
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: LocalRepositoryFile1.txt
new file: LocalRepositoryFile2.txt
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$ git commit -m "Local repository files"
[main (root-commit) 54489ef] Local repository files
2 files changed, 4 insertions(+)
create mode 100644 LocalRepositoryFile1.txt
create mode 100644 LocalRepositoryFile2.txt
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$ git ls-files
LocalRepositoryFile1.txt
LocalRepositoryFile2.txt
dwool@LAPTOP-2OK2D1IV MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$

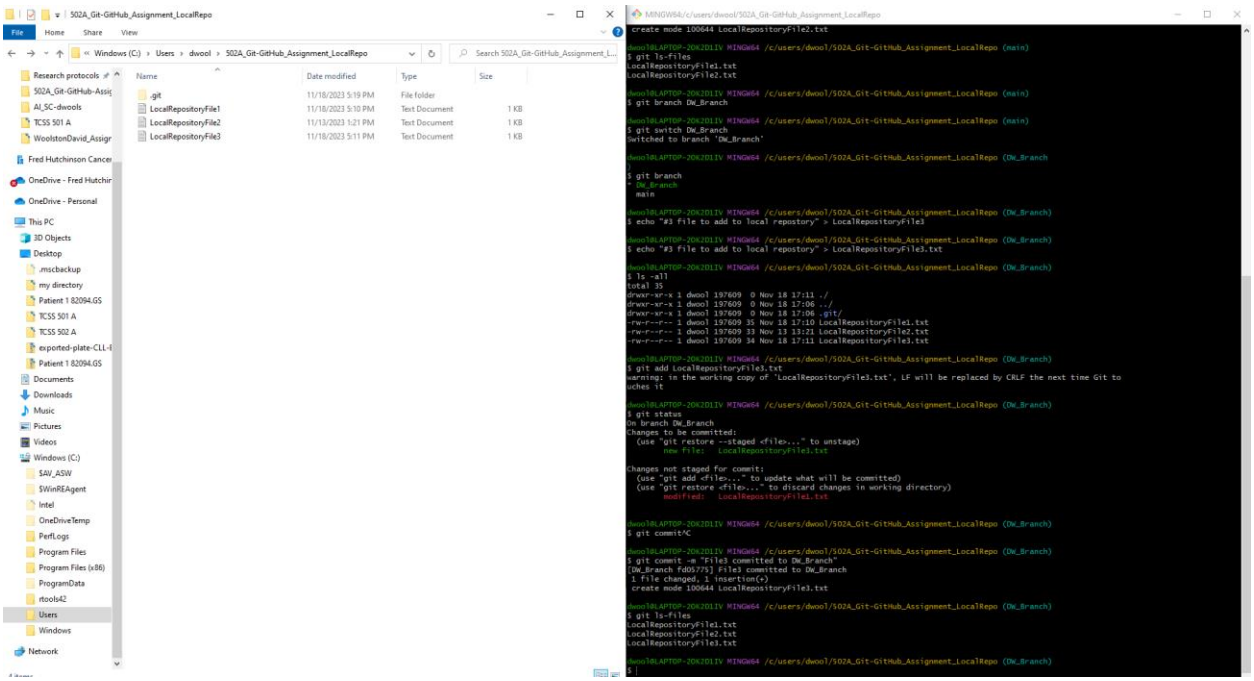
3. Create another branch and add a file to that branch.
   a. Branch called “DW_Branch” created



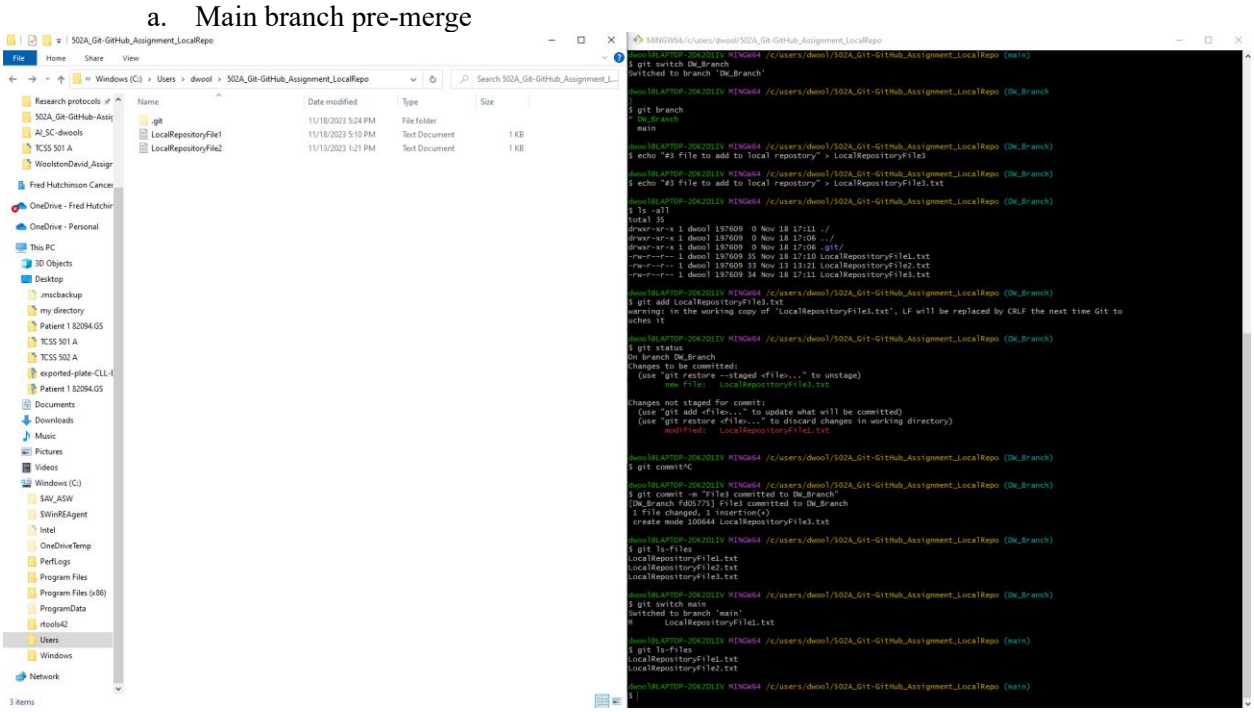
   b. New file added to DW Branch



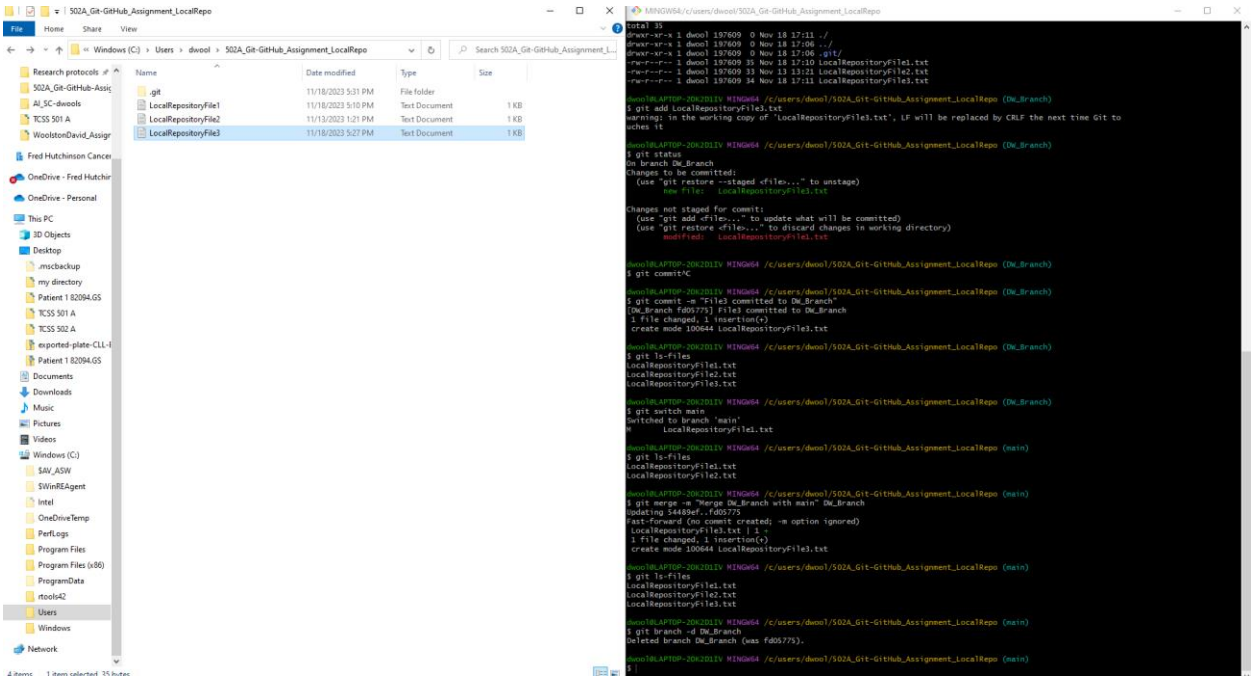
   c. New file staged and committed to DW_Branch



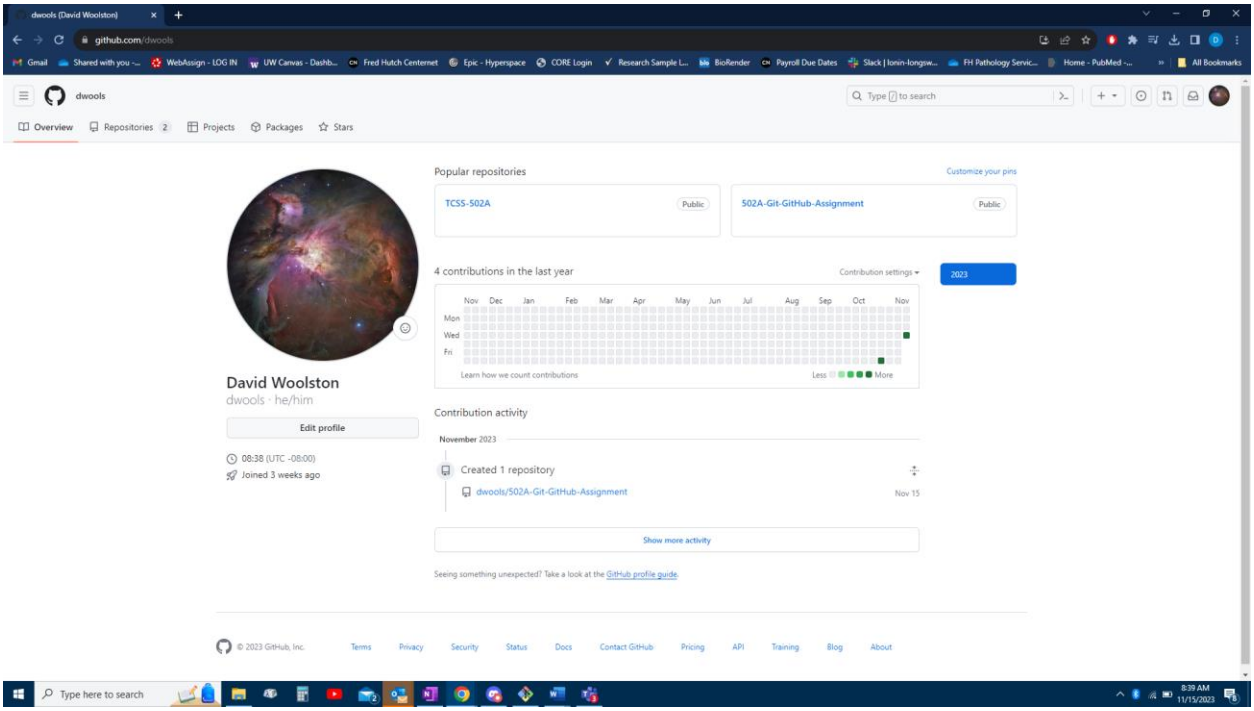
4. Merge the contents of that branch into master/main branch.
   a. Main branch pre-merge



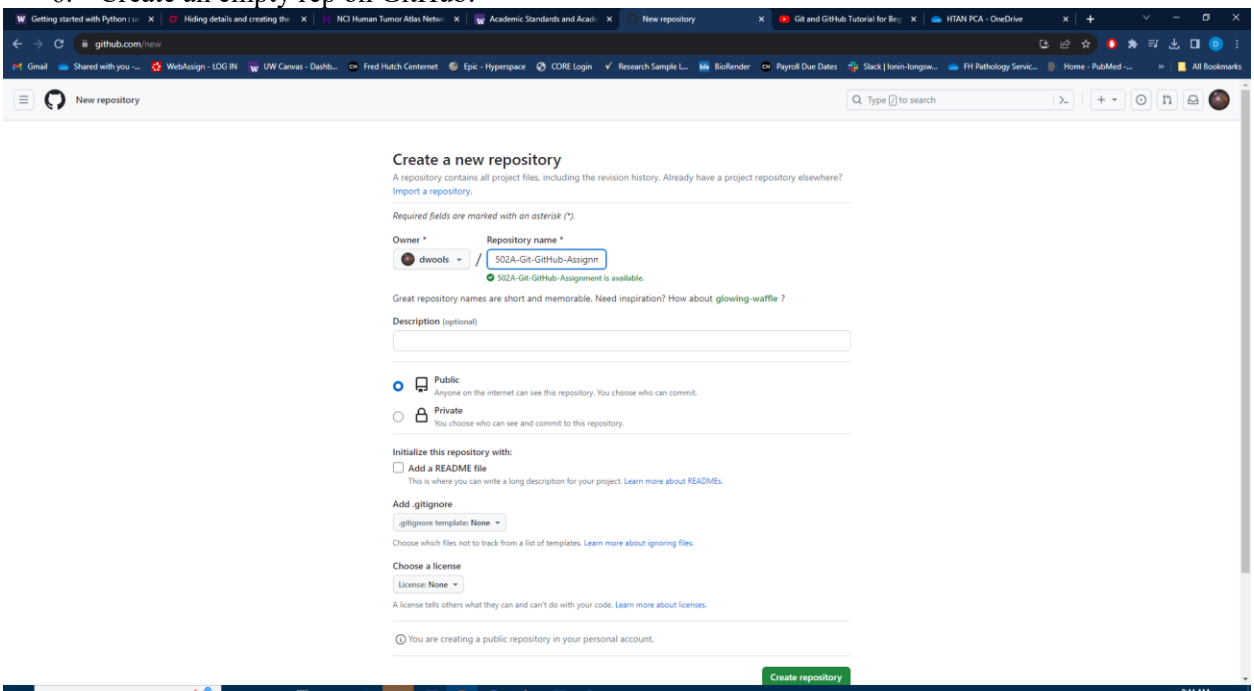
   b. DW_Branch merged into main branch, and DW_Branch subsequently deleted:

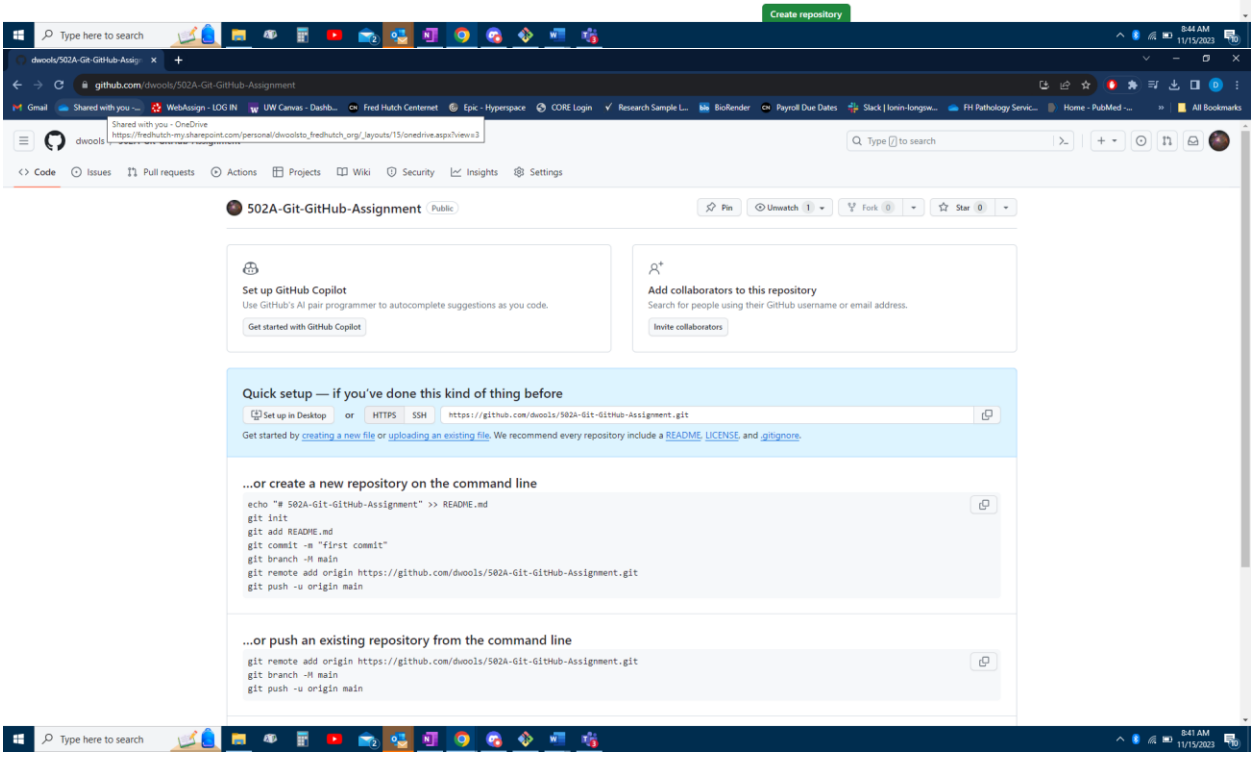

502A_Git-GitHub_Assignment_LocalRepo
File Home Share View
« Windows (C:) › Users › dwool › 502A_Git-GitHub_Assignment_LocalRepo
Search 502A_Git-GitHub_Assignment_L...
Name Date modified Type Size
.git 11/18/2023 5:31 PM File folder
LocalRepositoryFile1 11/18/2023 5:10 PM Text Document 1 KB
LocalRepositoryFile2 11/13/2023 1:21 PM Text Document 1 KB
LocalRepositoryFile3 11/18/2023 5:27 PM Text Document 1 KB
MINGW64:/c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo
total 35
drwxr-xr-x 1 dwool 197609 0 Nov 18 17:11 ./
drwxr-xr-x 1 dwool 197609 0 Nov 18 17:06 ../
drwxr-xr-x 1 dwool 197609 0 Nov 18 17:06 .git/
-rw-r--r-- 1 dwool 197609 35 Nov 18 17:10 LocalRepositoryFile1.txt
-rw-r--r-- 1 dwool 197609 33 Nov 13 13:21 LocalRepositoryFile2.txt
-rw-r--r-- 1 dwool 197609 34 Nov 18 17:11 LocalRepositoryFile3.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (DW_Branch)
$ git add LocalRepositoryFile3.txt
warning: in the working copy of 'LocalRepositoryFile3.txt', LF will be replaced by CRLF the next time Git to
uches it
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (DW_Branch)
$ git status
On branch DW_Branch
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
new file: LocalRepositoryFile3.txt
Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
modified: LocalRepositoryFile1.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (DW_Branch)
$ git commit^C
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (DW_Branch)
$ git commit -m "File3 committed to DW_Branch"
[DW_Branch fd05775] File3 committed to DW_Branch
1 file changed, 1 insertion(+)
create mode 100644 LocalRepositoryFile3.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (DW_Branch)
$ git ls-files
LocalRepositoryFile1.txt
LocalRepositoryFile2.txt
LocalRepositoryFile3.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (DW_Branch)
$ git switch main
Switched to branch 'main'
M LocalRepositoryFile1.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$ git ls-files
LocalRepositoryFile1.txt
LocalRepositoryFile2.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$ git merge -m "Merge DW_Branch with main" DW_Branch
Updating 54489ef..fd05775
Fast-forward (no commit created; -m option ignored)
LocalRepositoryFile3.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 LocalRepositoryFile3.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$ git ls-files
LocalRepositoryFile1.txt
LocalRepositoryFile2.txt
LocalRepositoryFile3.txt
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$ git branch -d DW_Branch
Deleted branch DW_Branch (was fd05775).
dwool@LAPTOP-2OK2DI1V MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$

5. Create GitHub Account

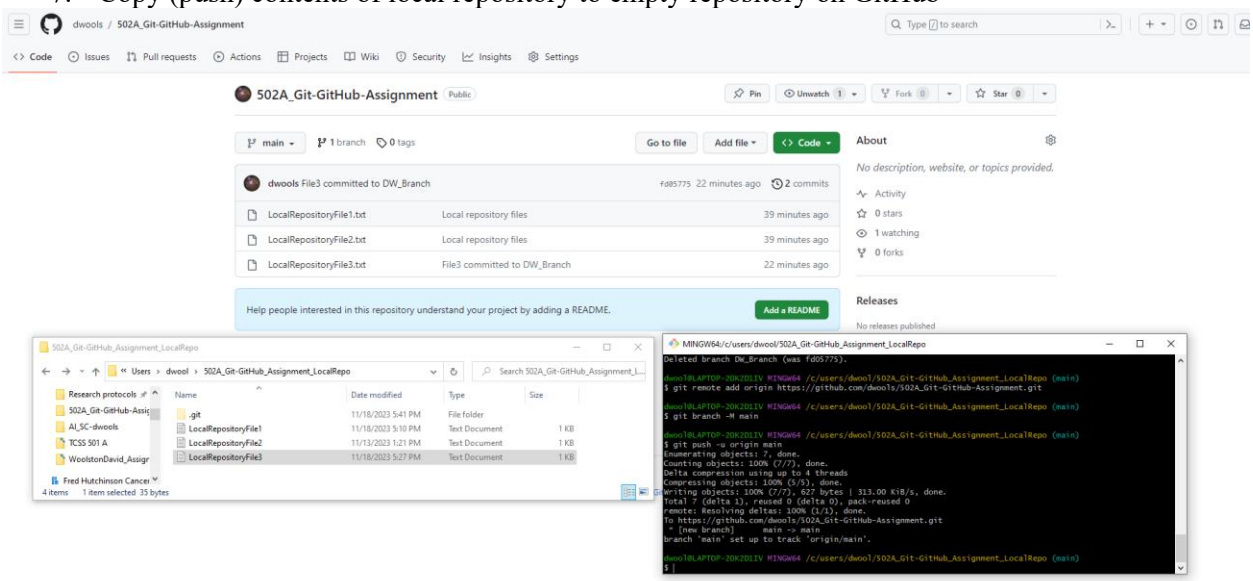


6. Create an empty rep on GitHub.

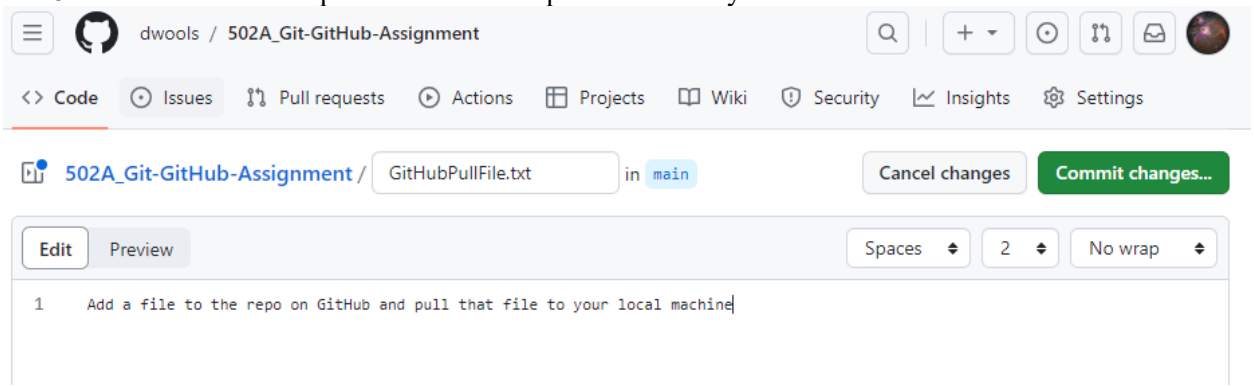


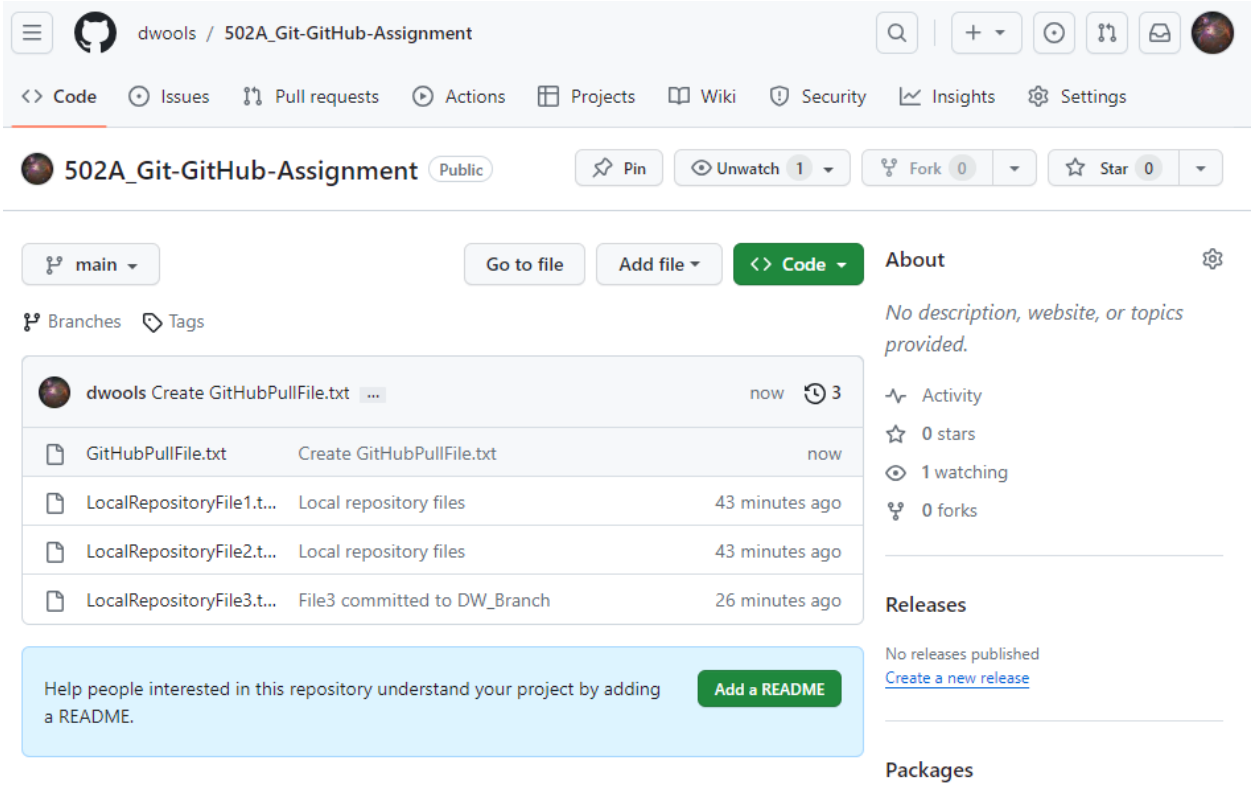


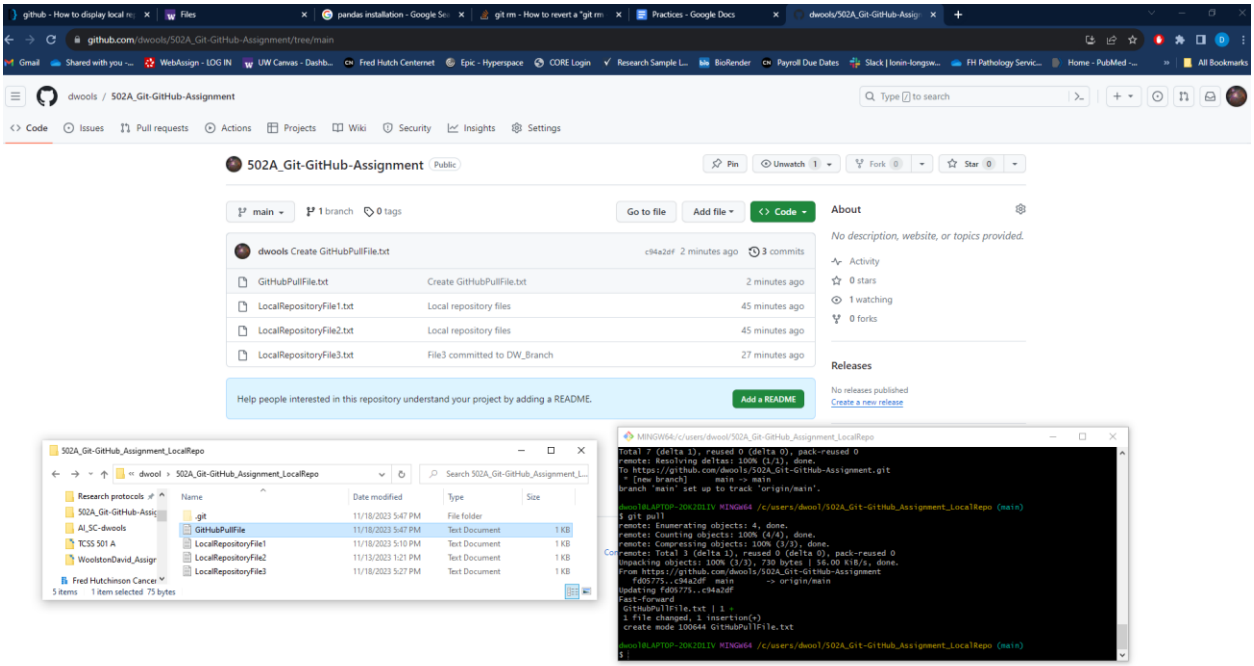
7. Copy (push) contents of local repository to empty repository on GitHub



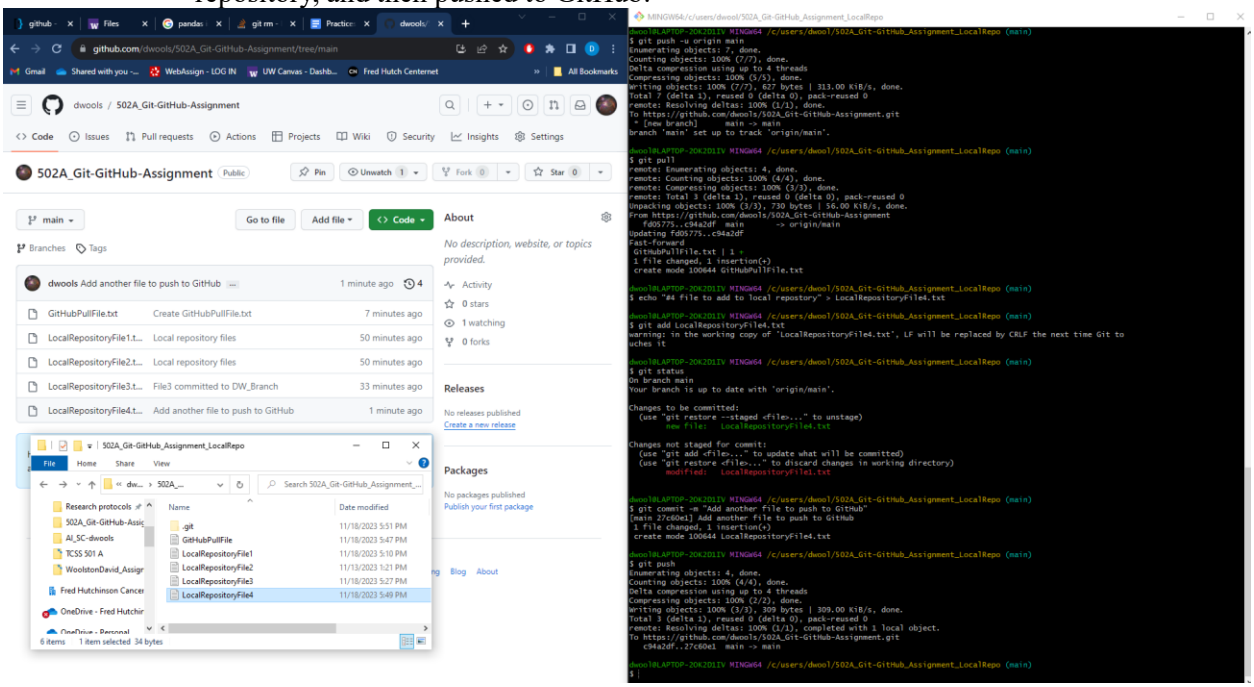
8. Add a file to the repo on GitHub then pull that file to your local machine.



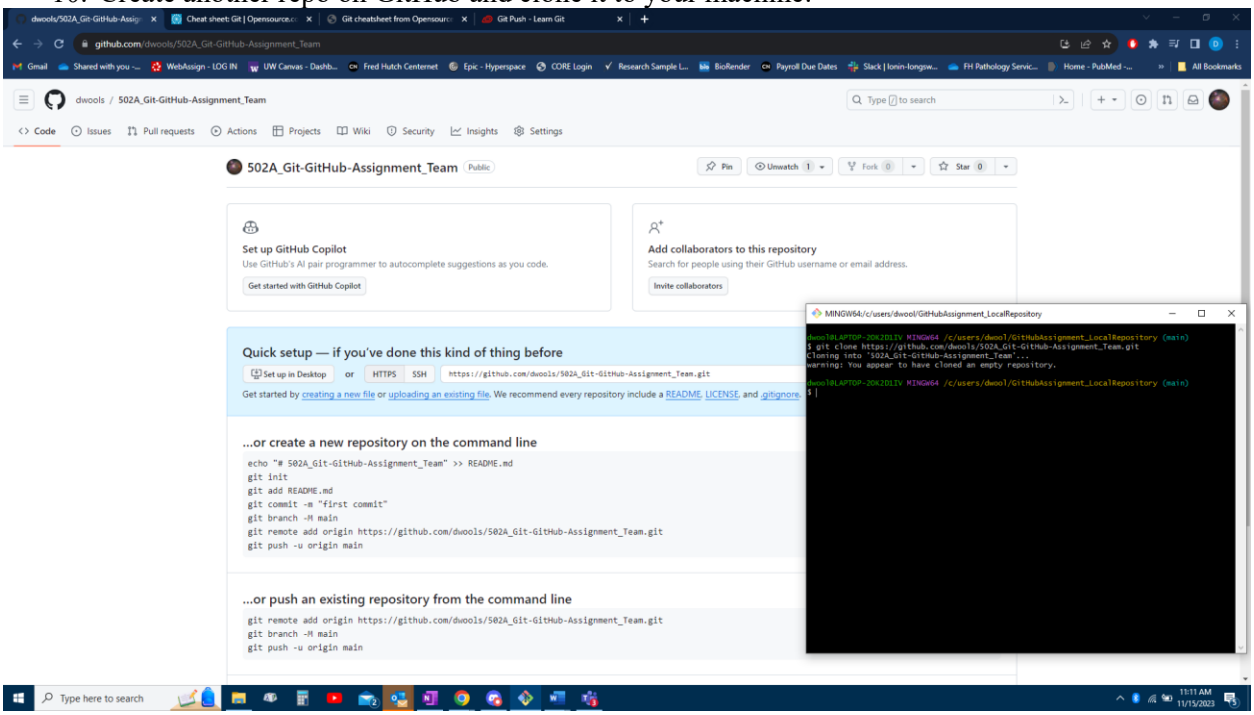



github - How to display local re
Files
pandas installation - Google Sea
git rm - How to revert a "git rm
Practices - Google Docs
dwools/502A_Git-GitHub-Assign
github.com/dwools/502A_Git-GitHub-Assignment/tree/main
dwools / 502A_Git-GitHub-Assignment
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
502A_Git-GitHub-Assignment
Public
Pin
Unwatch 1
Fork 0
Star 0
main
1 branch
0 tags
Go to file
Add file
Code
dwools Create GitHubPullFile.txt
c94a2df 2 minutes ago
3 commits
GitHubPullFile.txt
Create GitHubPullFile.txt
2 minutes ago
LocalRepositoryFile1.txt
Local repository files
45 minutes ago
LocalRepositoryFile2.txt
Local repository files
45 minutes ago
LocalRepositoryFile3.txt
File3 committed to DW_Branch
27 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
502A_Git-GitHub_Assignment_LocalRepo
dwool › 502A_Git-GitHub_Assignment_LocalRepo
Research protocols
502A_Git-GitHub-Assig
AI_SC-dwools
TCSS 501 A
WoolstonDavid_Assigr
Fred Hutchinson Cancer
Name
Date modified
Type
Size
.git
11/18/2023 5:47 PM
File folder
GitHubPullFile
11/18/2023 5:47 PM
Text Document
1 KB
LocalRepositoryFile1
11/18/2023 5:10 PM
Text Document
1 KB
LocalRepositoryFile2
11/13/2023 1:21 PM
Text Document
1 KB
LocalRepositoryFile3
11/18/2023 5:27 PM
Text Document
1 KB
5 items
1 item selected 75 bytes
MINGW64/c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo
Total 7 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/dwools/502A_Git-GitHub-Assignment.git
 * [new branch]   main -> main
branch 'main' set up to track 'origin/main'.
dwool@LAPTOP-2DK2DLIV MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (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 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 730 bytes | 56.00 KiB/s, done.
From https://github.com/dwools/502A_Git-GitHub-Assignment
   fd05775..c94a2df main   -> origin/main
Updating fd05775..c94a2df
Fast-forward
 GitHubPullFile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 GitHubPullFile.txt
dwool@LAPTOP-2DK2DLIV MINGW64 /c/users/dwool/502A_Git-GitHub_Assignment_LocalRepo (main)
$

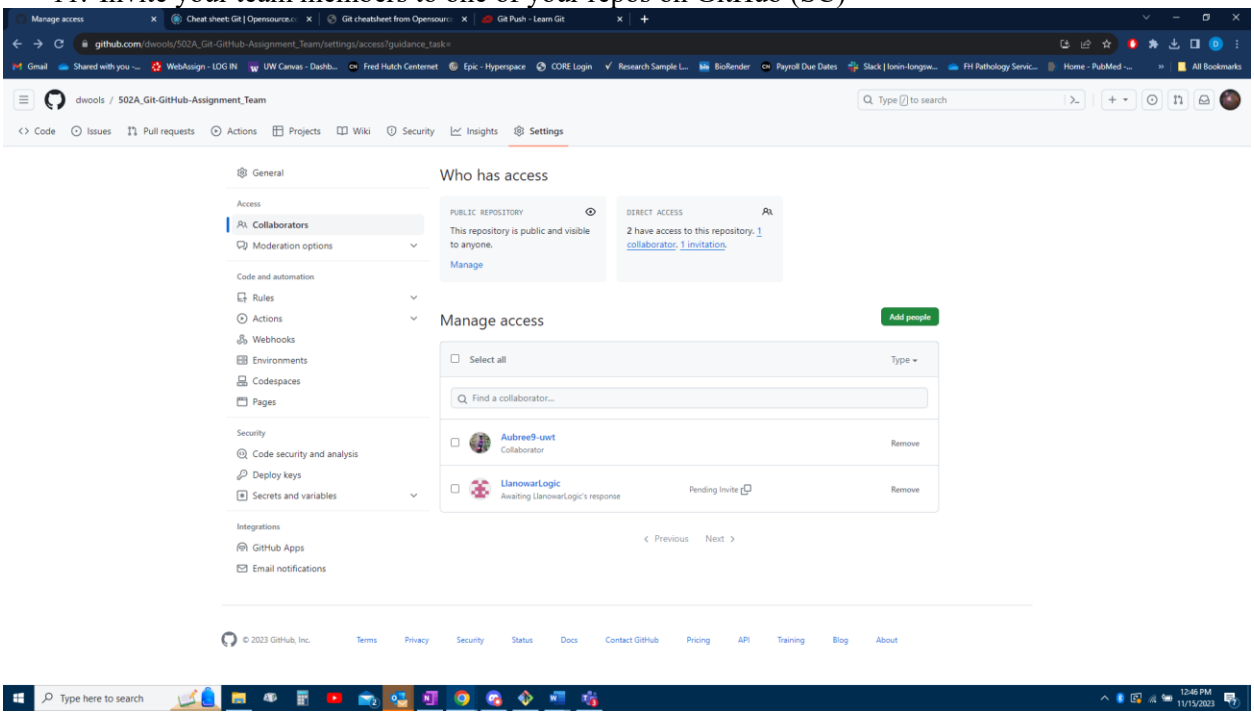
9. Add another file to your local repo and push that to GitHub.
    a. LocalRepositoryFile4.txt added to local directory, staged, and committed to local repository, and then pushed to GitHub:



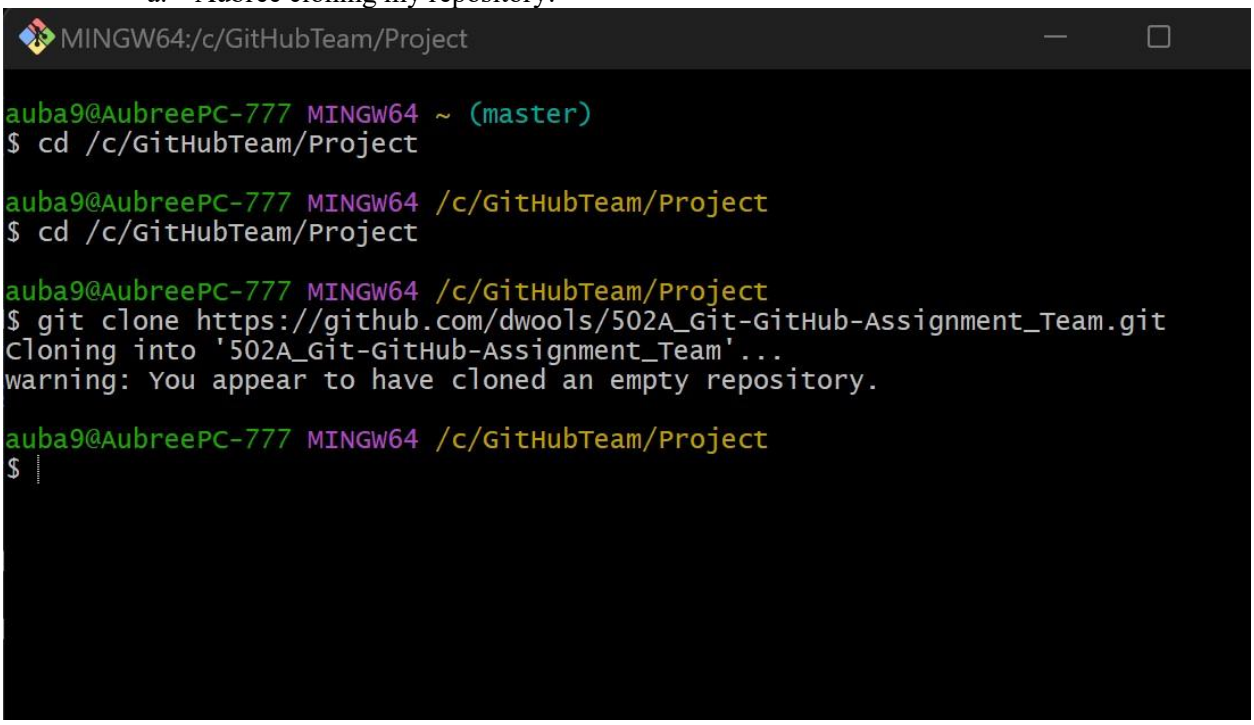
10. Create another repo on GitHub and clone it to your machine.



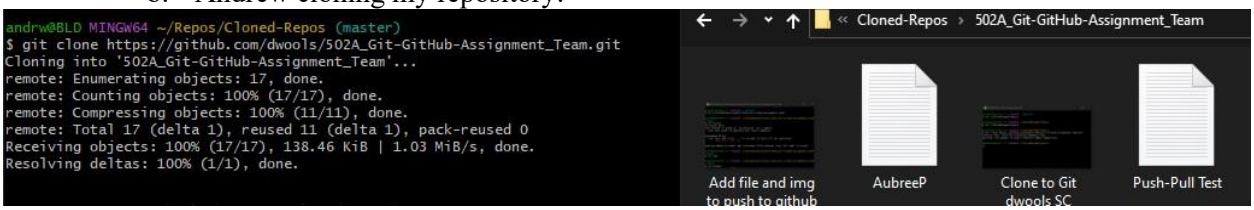
11. Invite your team members to one of your repos on GitHub (SC)



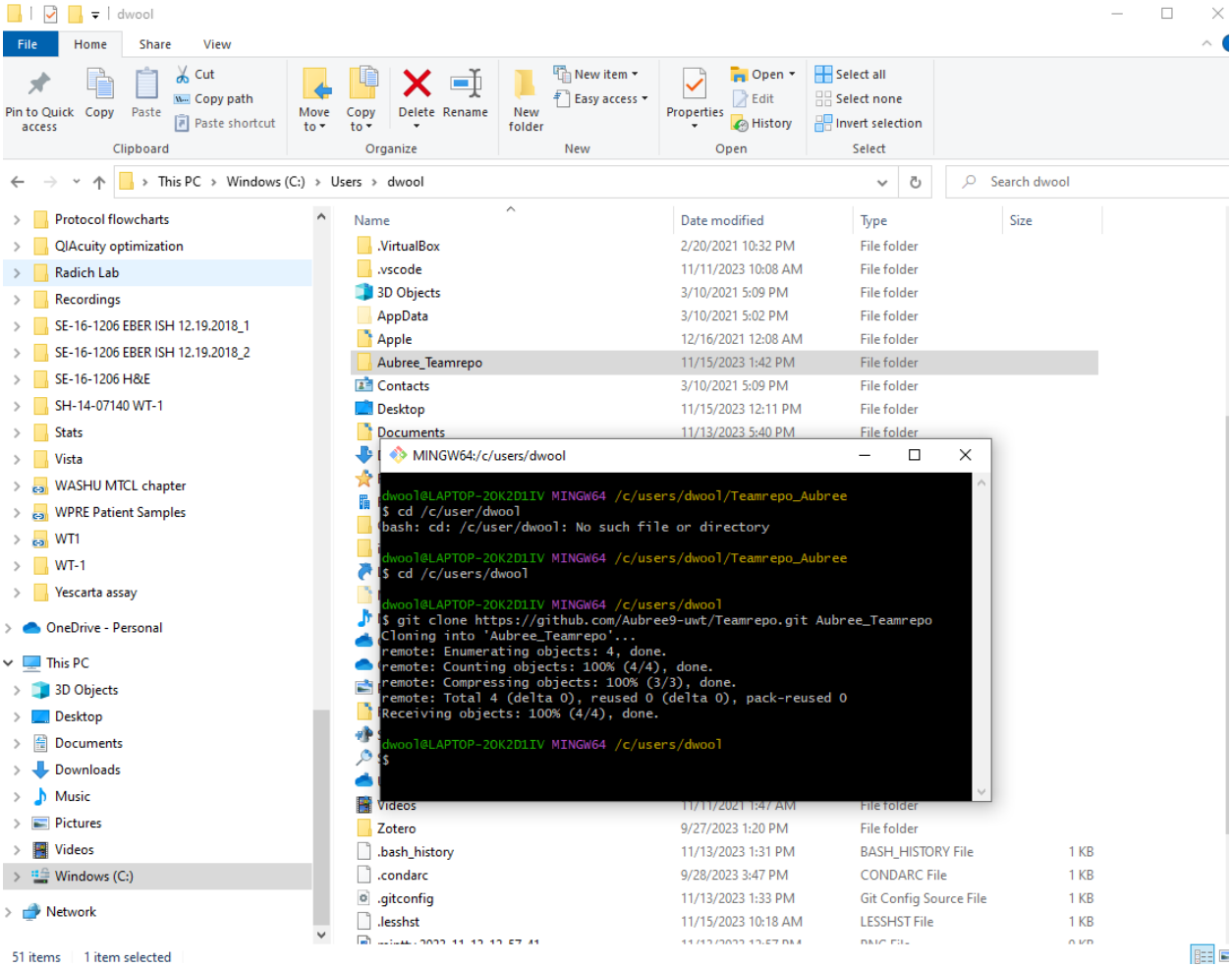
12. Have them clone the repo to their local machine.
    a. Aubree cloning my repository:

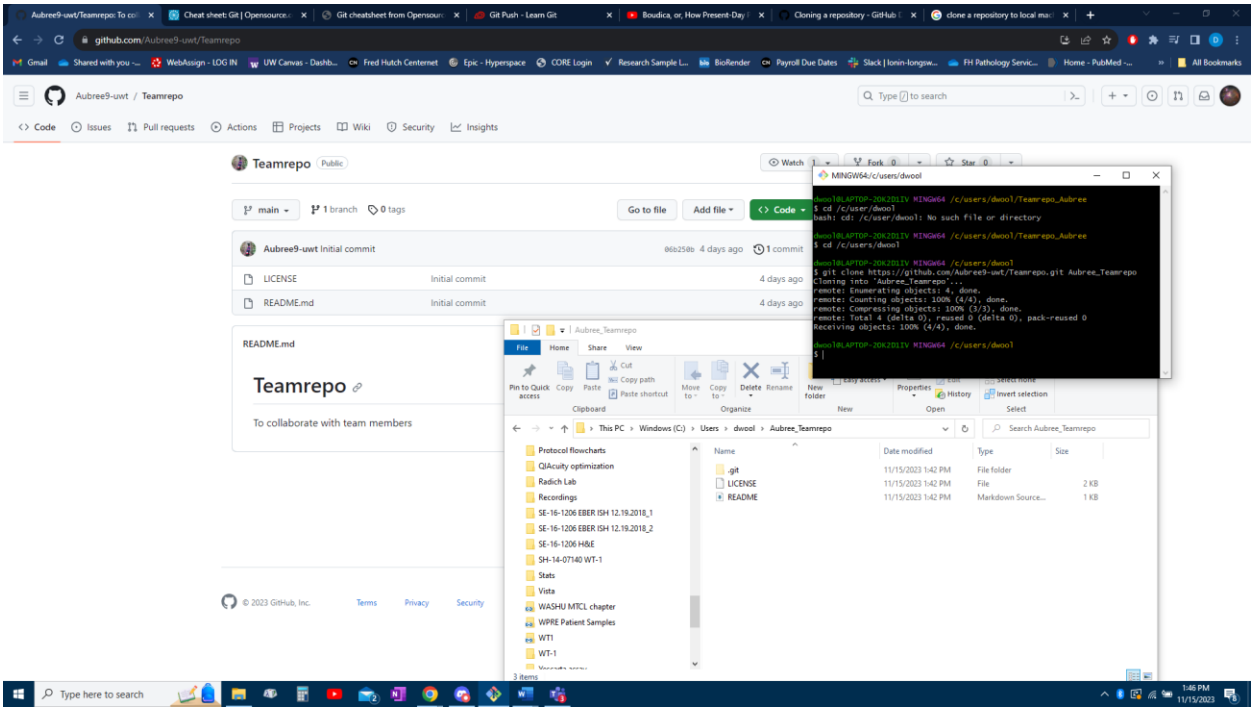


    b. Andrew cloning my repository:

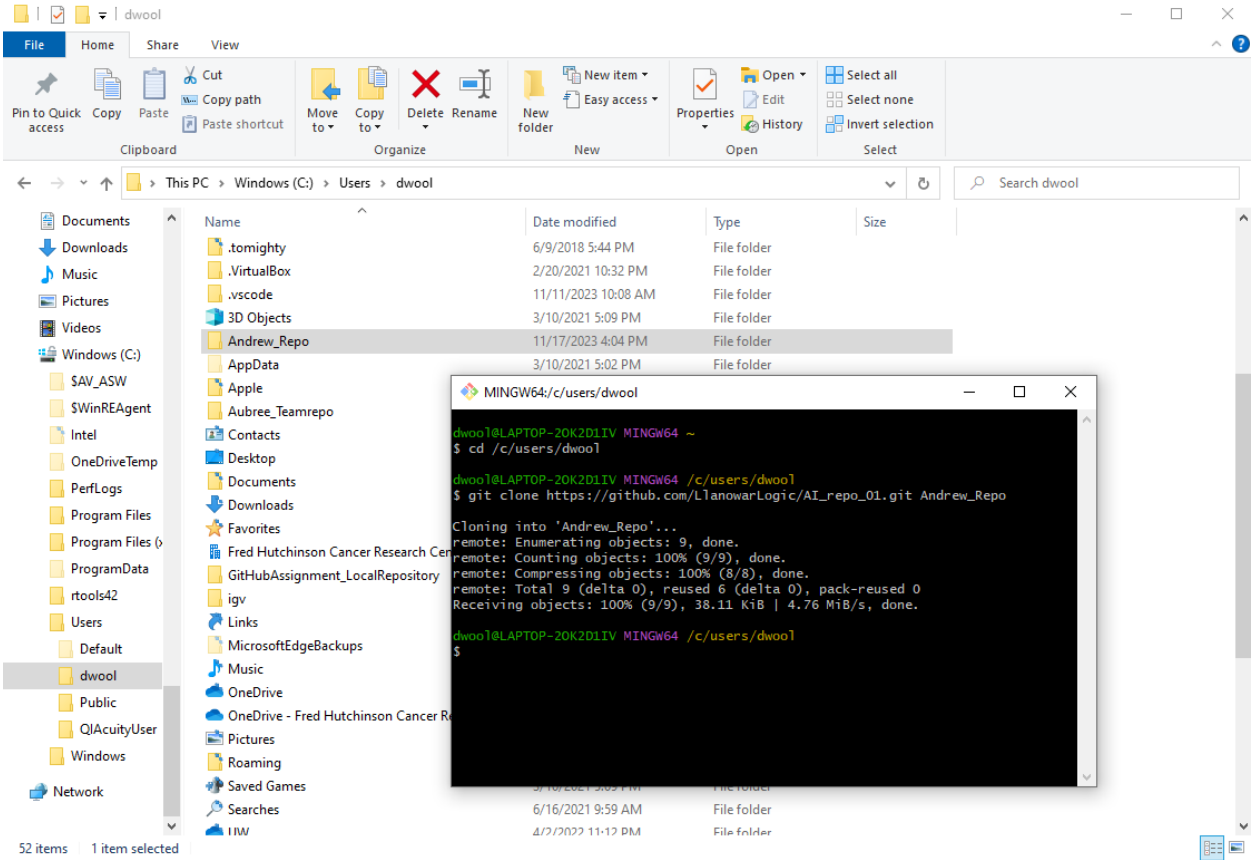


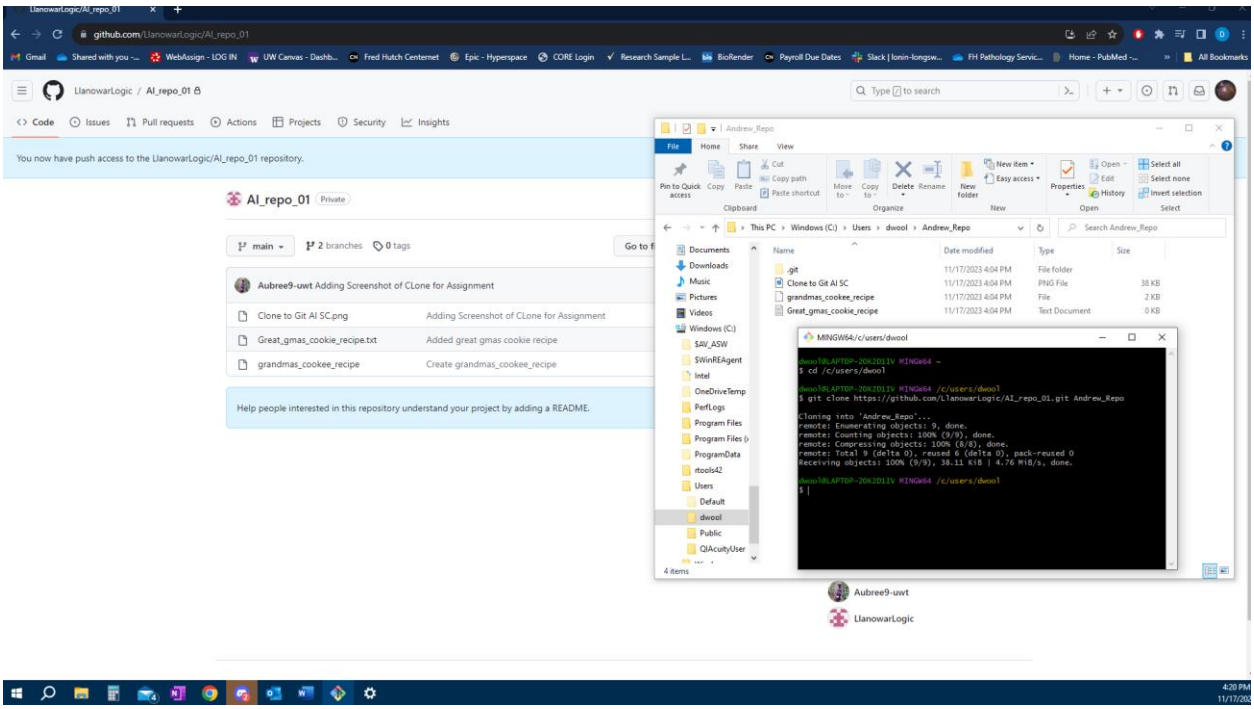
    c. My cloning Aubree's repository:


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
$

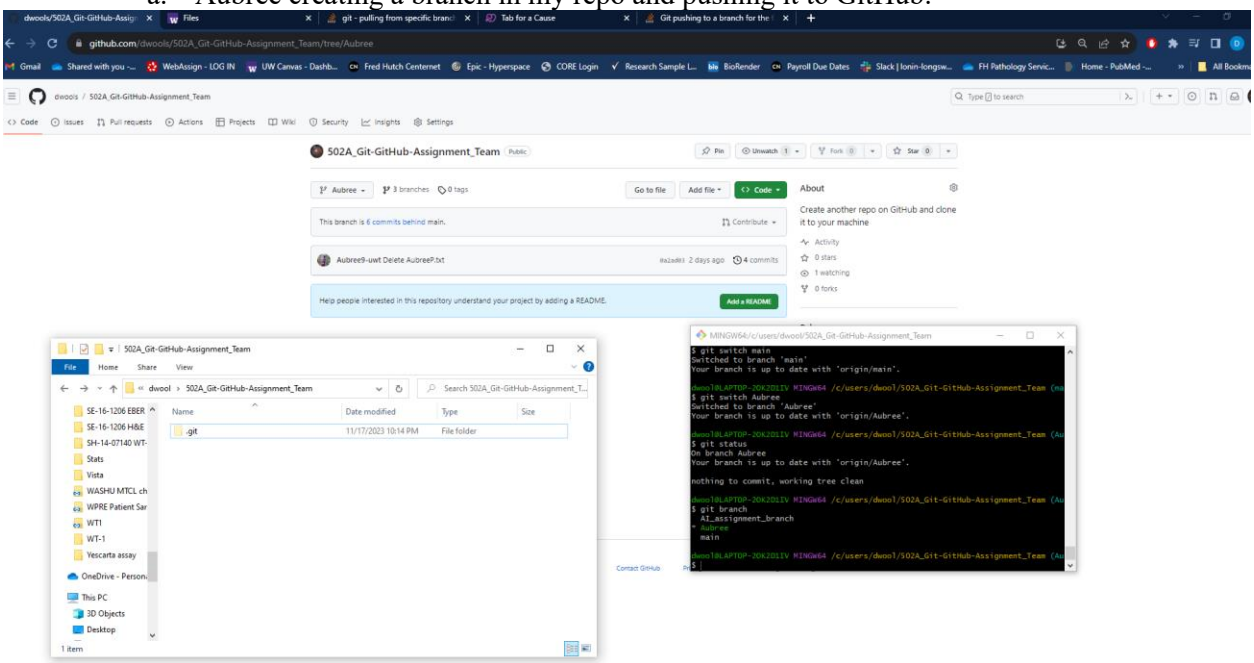

github.com/Aubree9-uwt/Teamrepo
Aubree9-uwt / Teamrepo
Code Issues Pull requests Actions Projects Wiki Security Insights
Teamrepo Public
main 1 branch 0 tags
Go to file Add file Code
Aubree9-uwt Initial commit
LICENSE Initial commit 4 days ago
README.md Initial commit 4 days ago
README.md
Teamrepo
To 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:



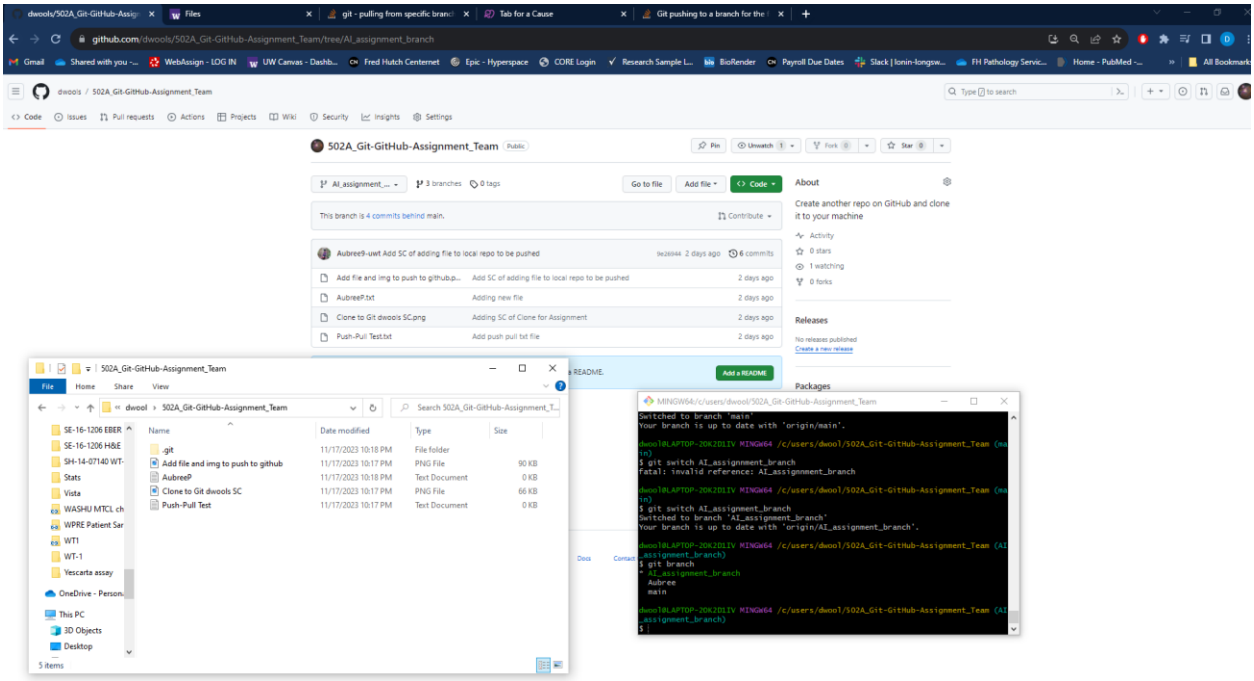


13. Have them create their own branch in that repo on their local machine then push the new branch up to GitHub (Aubree).
    a. Aubree creating a branch in my repo and pushing it to GitHub:



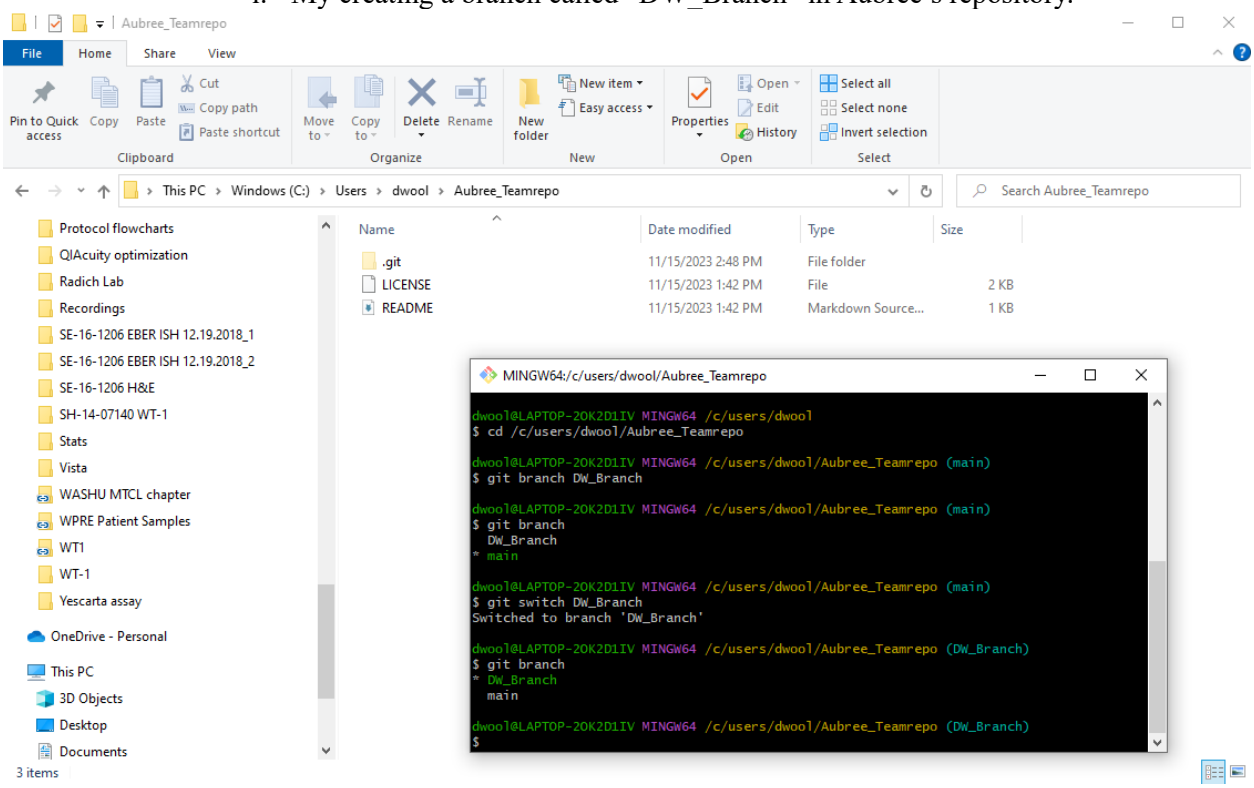
    b. Andrew creating a branch in my repo and pushing it to GitHub:

```
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)
$
```

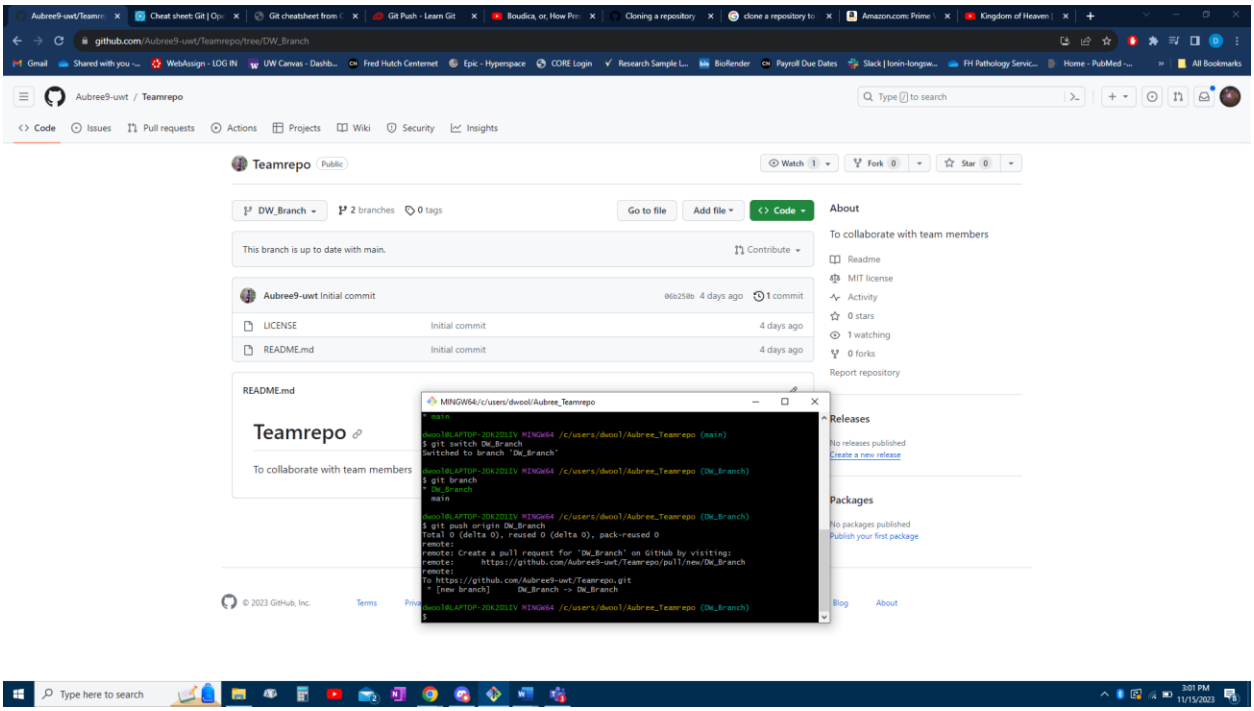


c. Aubree

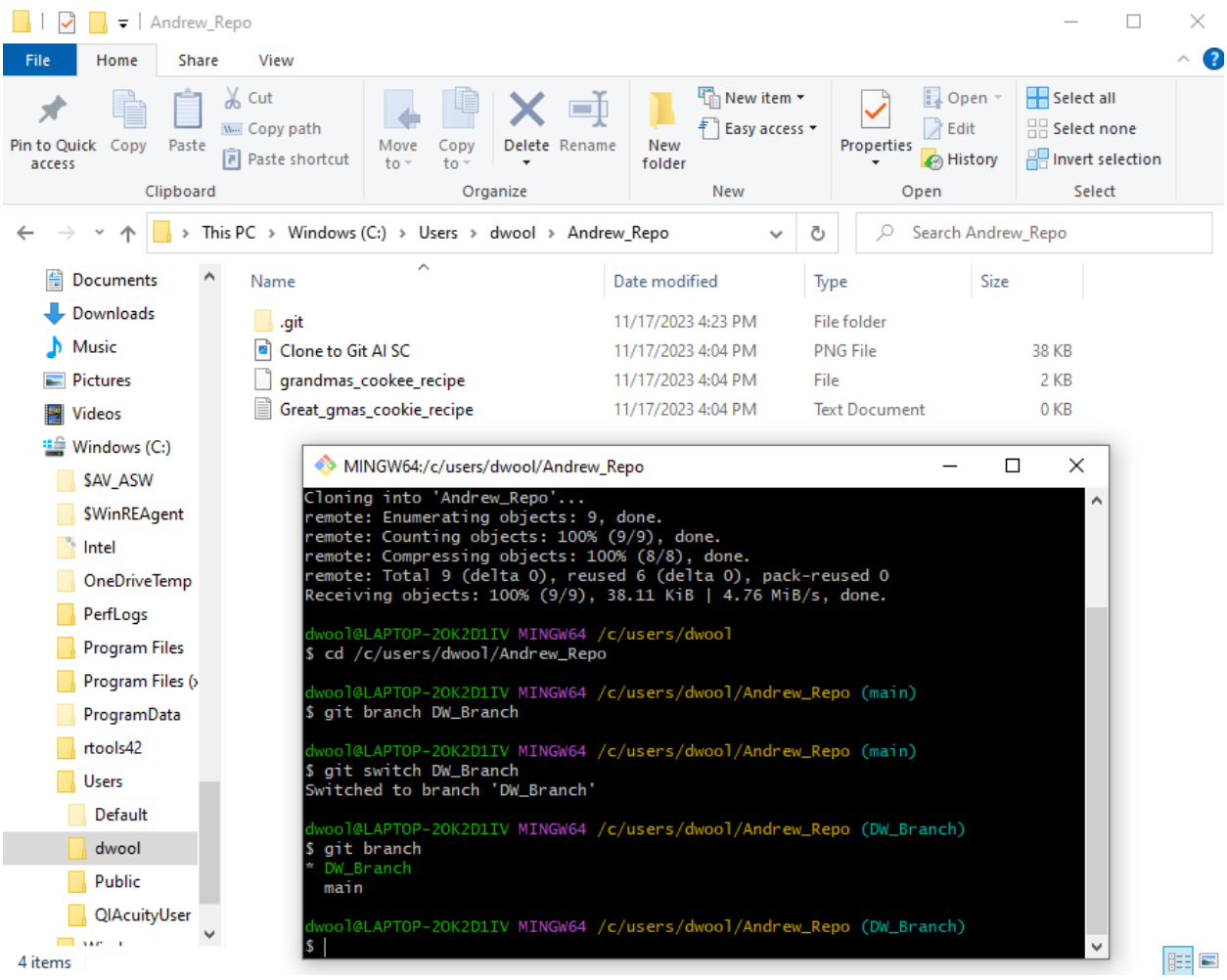
i. My creating a branch called “DW_Branch” in Aubree’s repository.



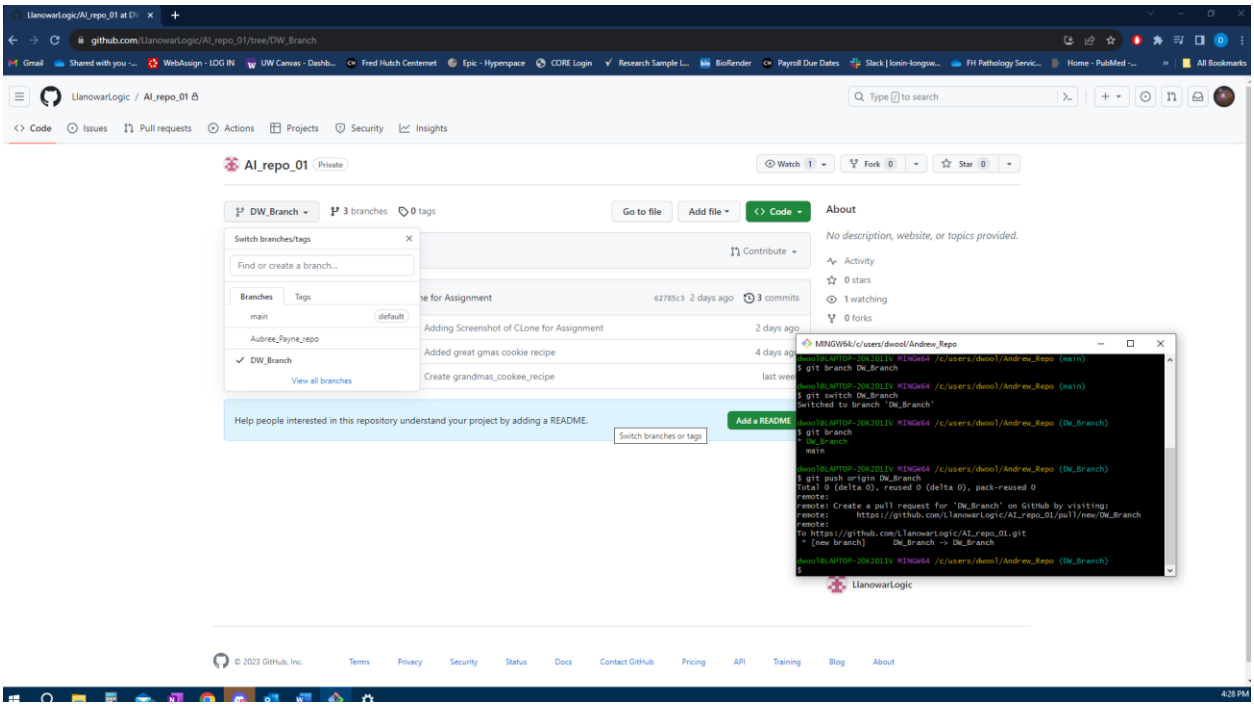
ii. My pushing the branch “DW_Branch” in Aubree’s repository to GitHub.



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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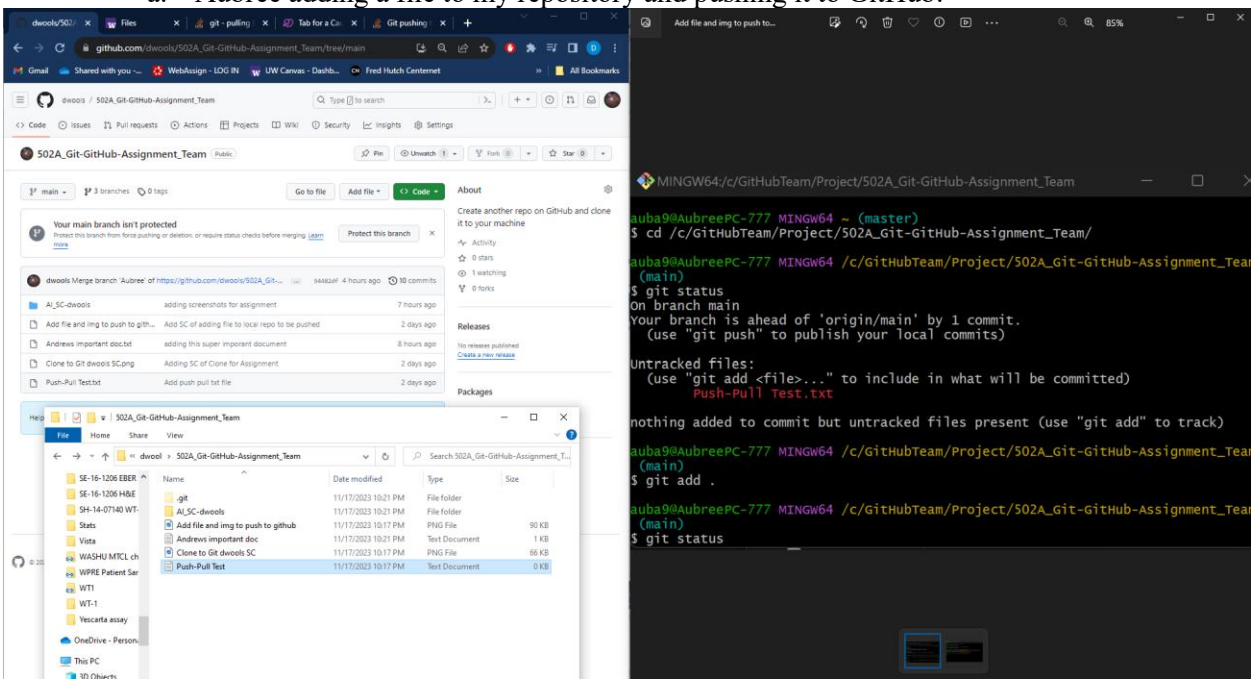
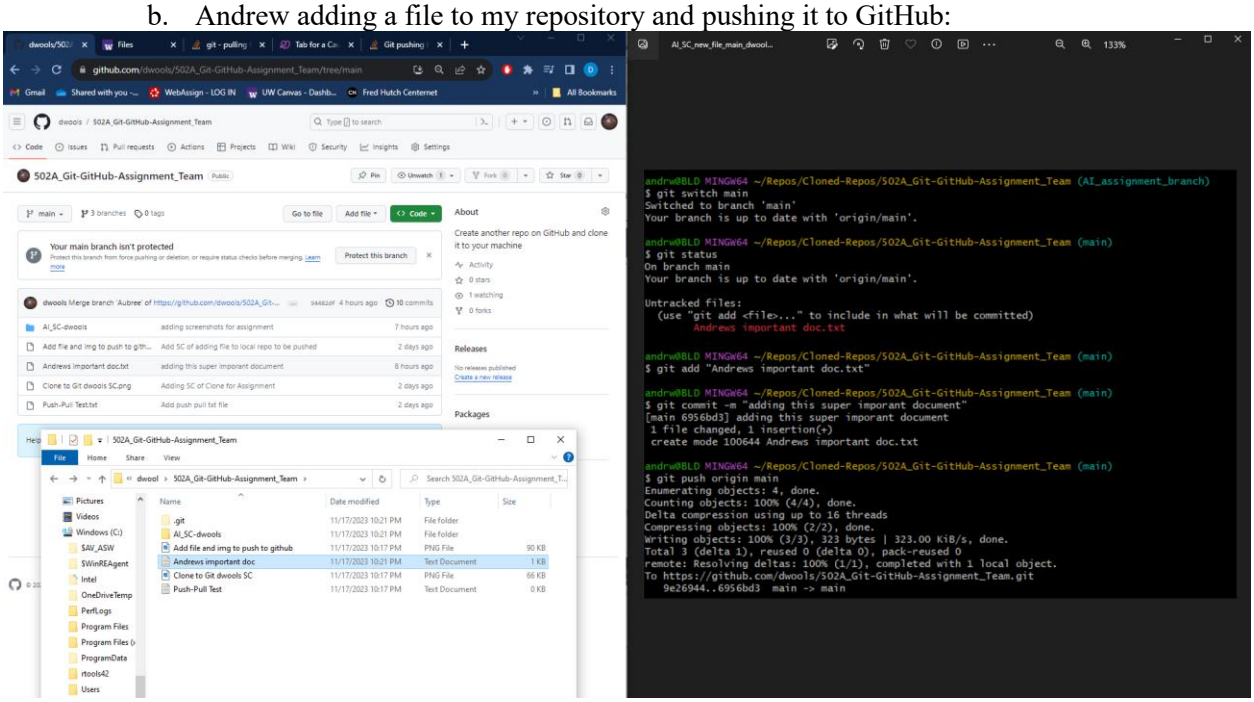
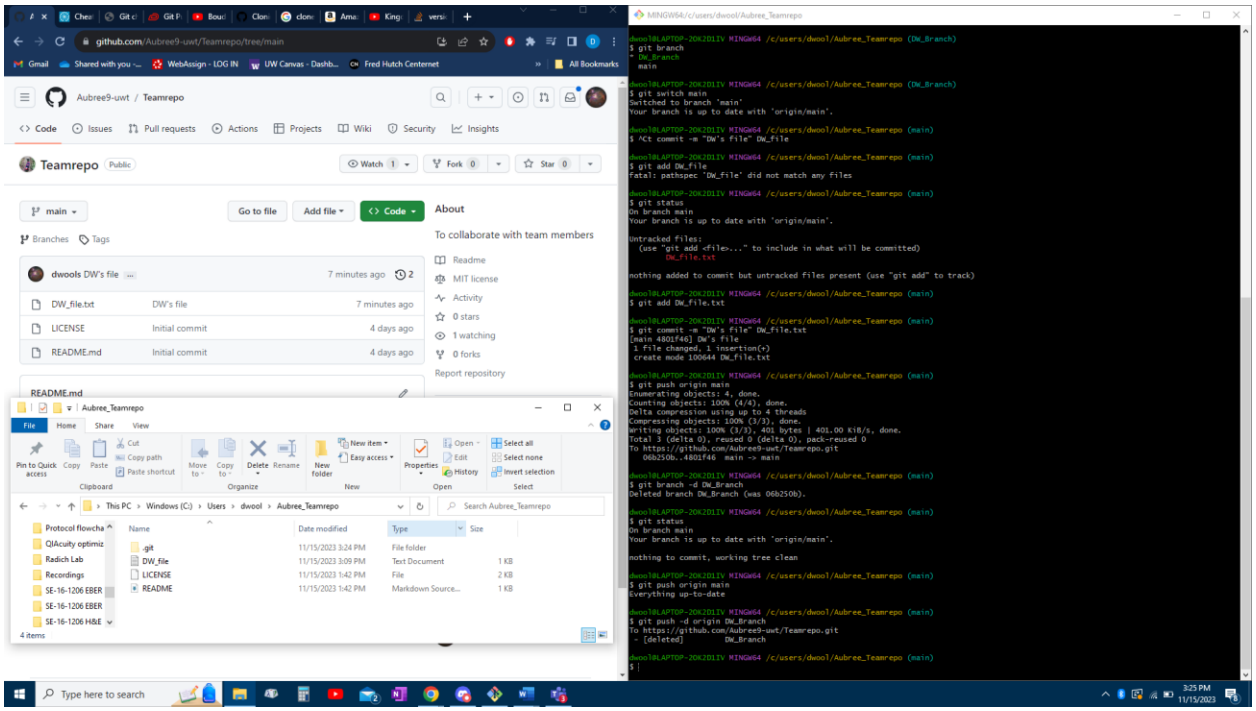
14. Have each team member add a file to the master/main branch from their local machine and push that up to GitHub.
    a. Aubree adding a file to my repository and pushing it to GitHub:



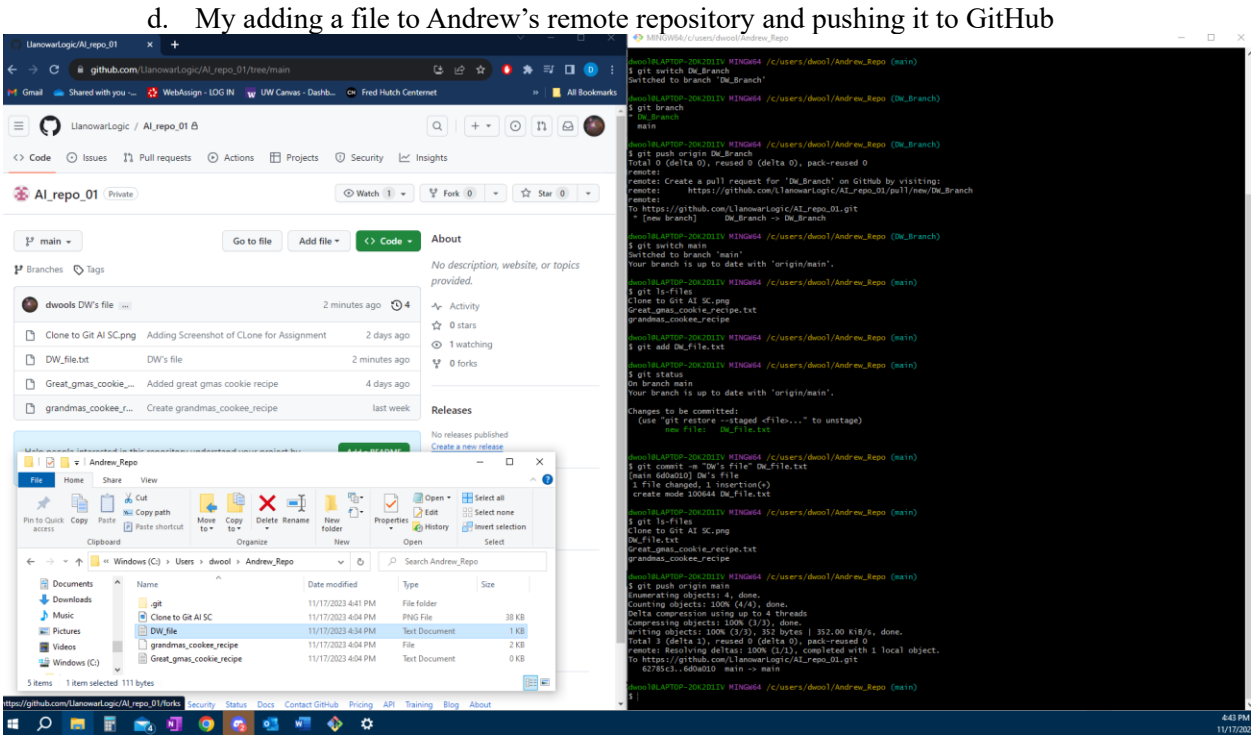
    b. Andrew adding a file to my repository and pushing it to GitHub:



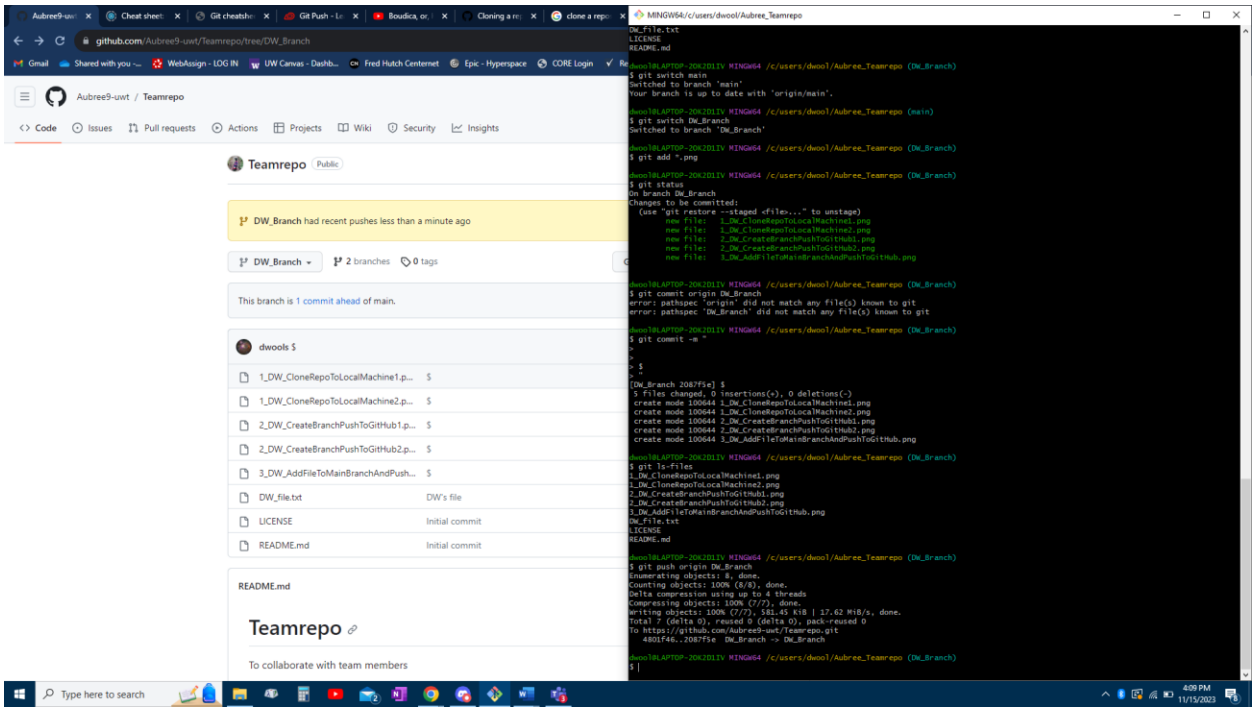
    c. My adding a file to Aubree's repository and pushing it to GitHub.



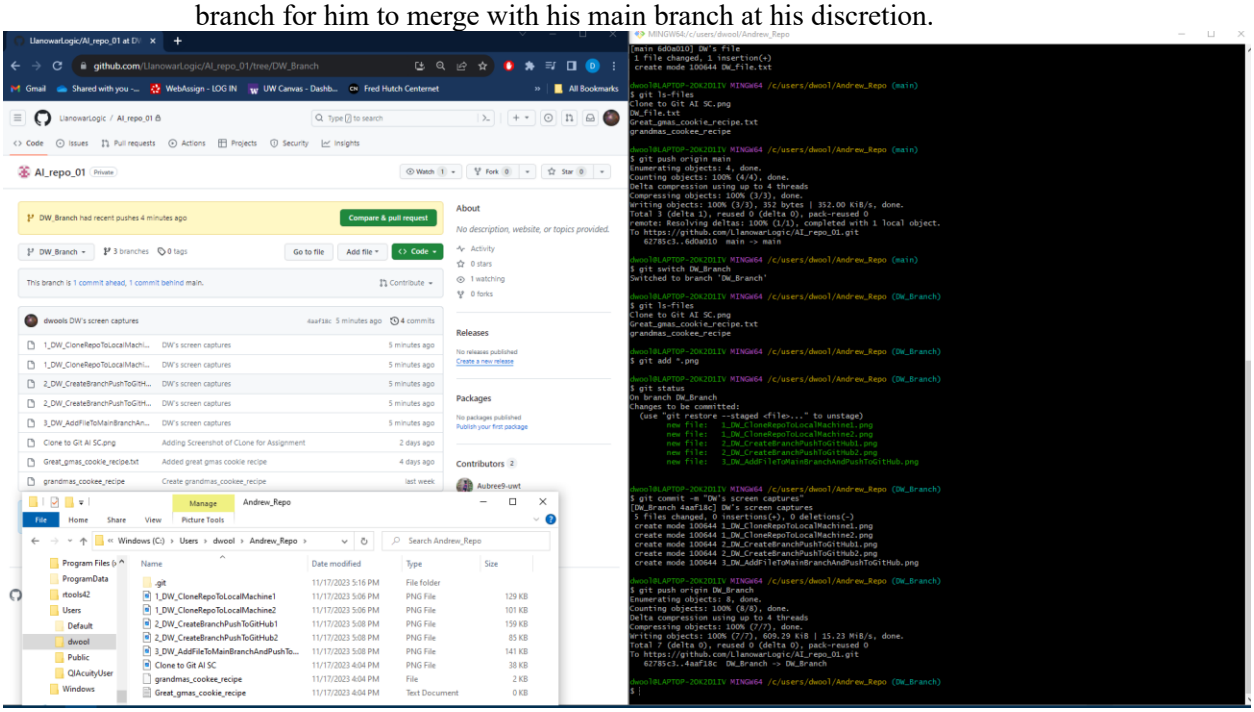
d. My adding a file to Andrew's remote repository and pushing it to GitHub



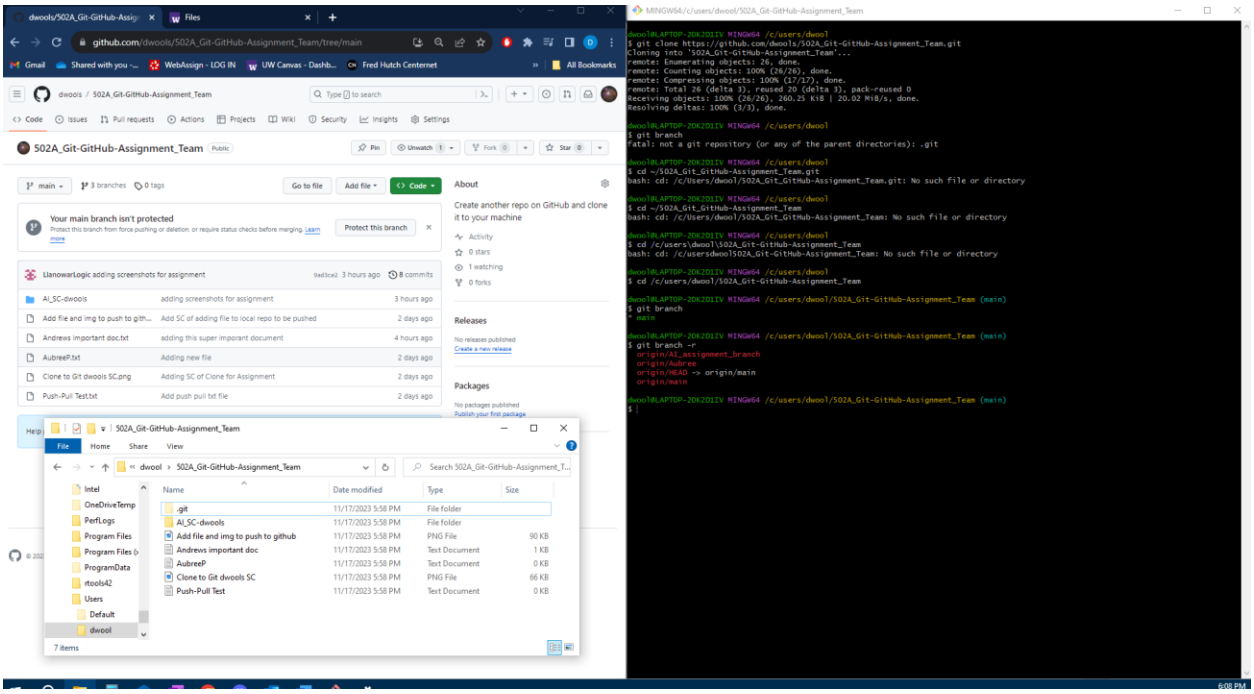
15. Practice push/pull with GitHub repo to make sure everyone stays in synch with the files on GitHub (SC as necessary to show this)
    a. Pushing screenshots of my work with Aubree's GitHub repo. I pushed them to my own branch for her to merge with her main branch at her discretion.



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.

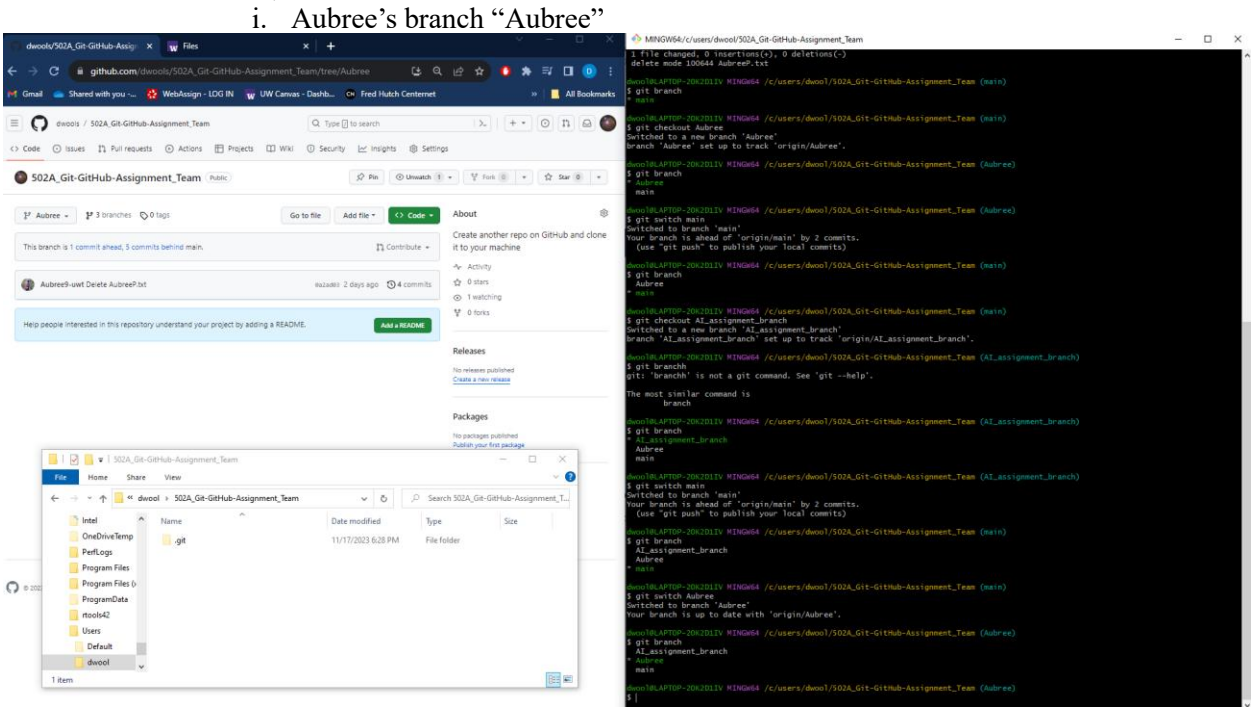


c. Cloning my Team repository to my local directory

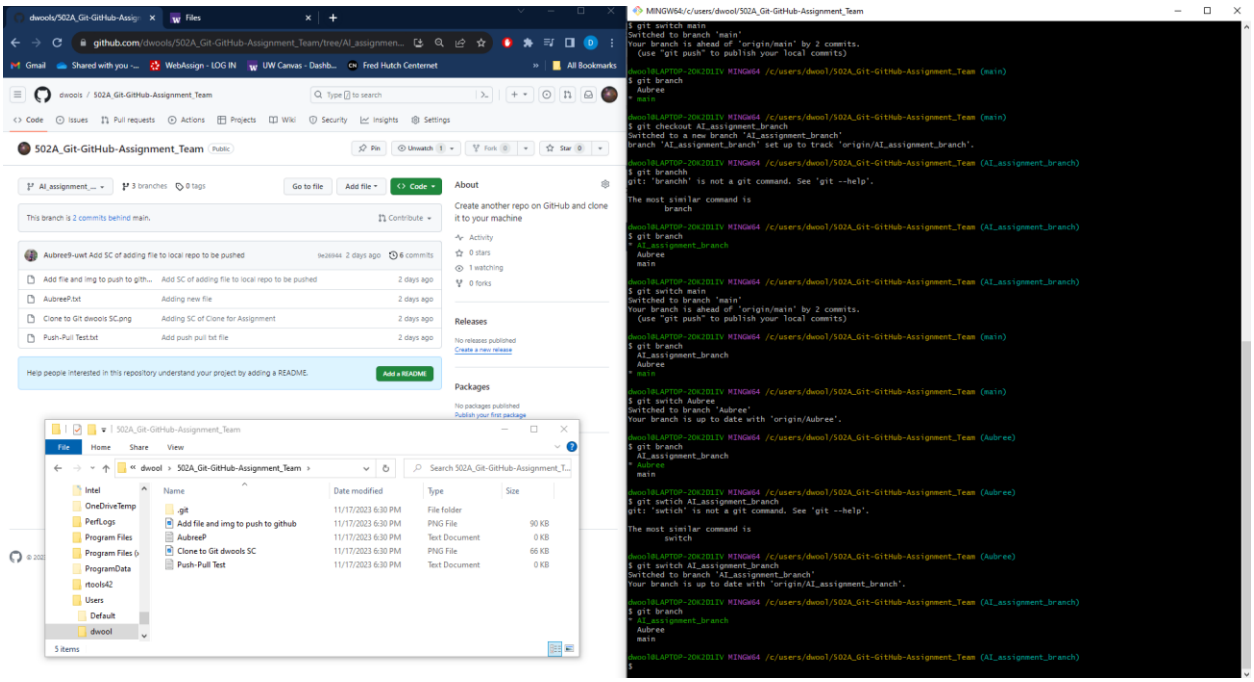


d. Checking out Audree's and Andrew's branches from GitHub (only the main branch was cloned)

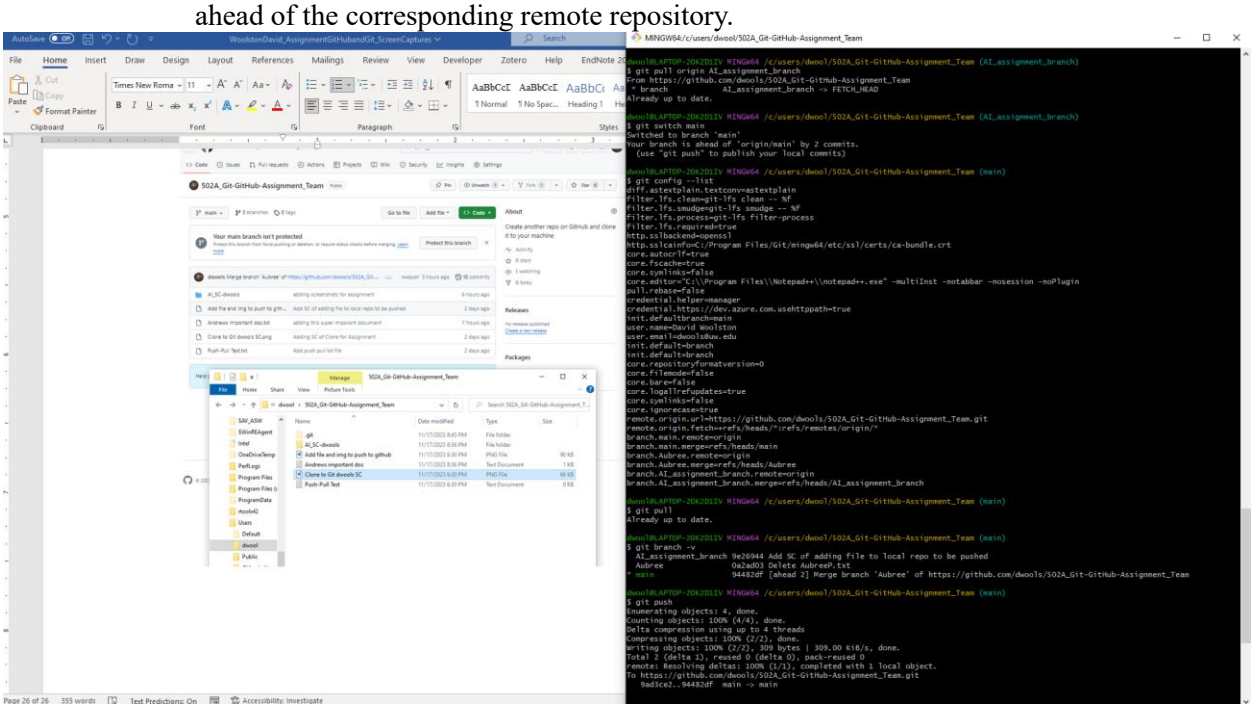
i. Aubree's branch "Aubree"

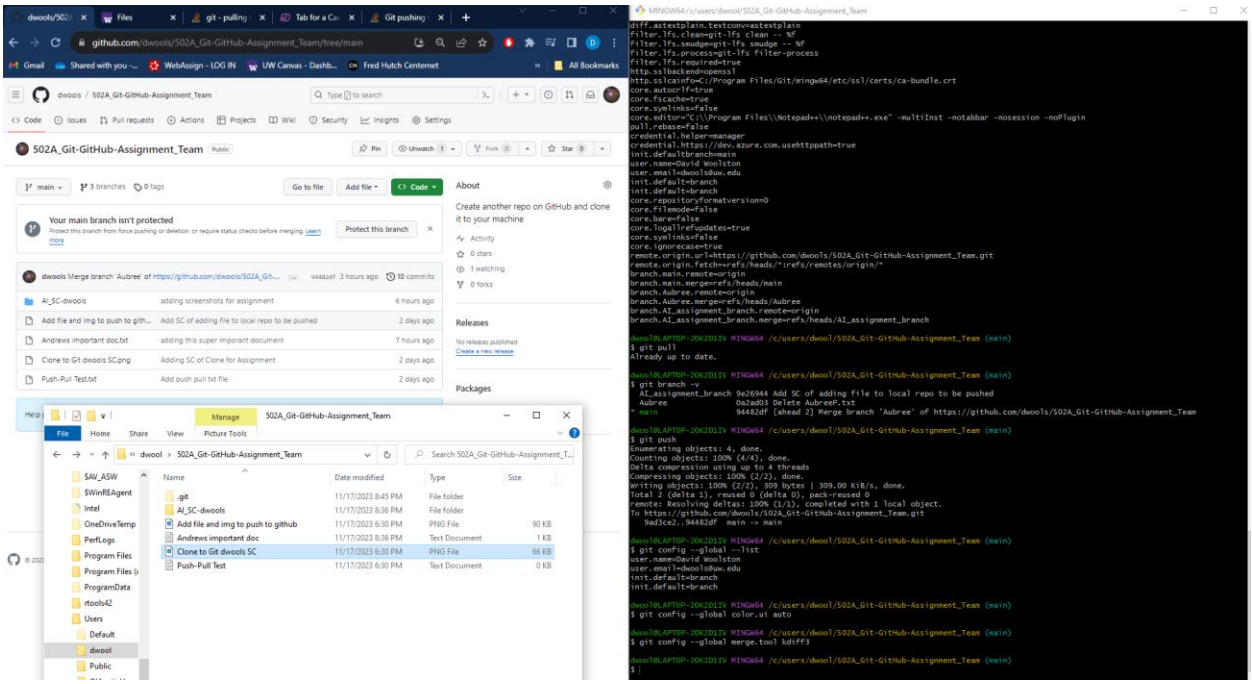


ii. Andrew's branch "AI_assignment_branch"

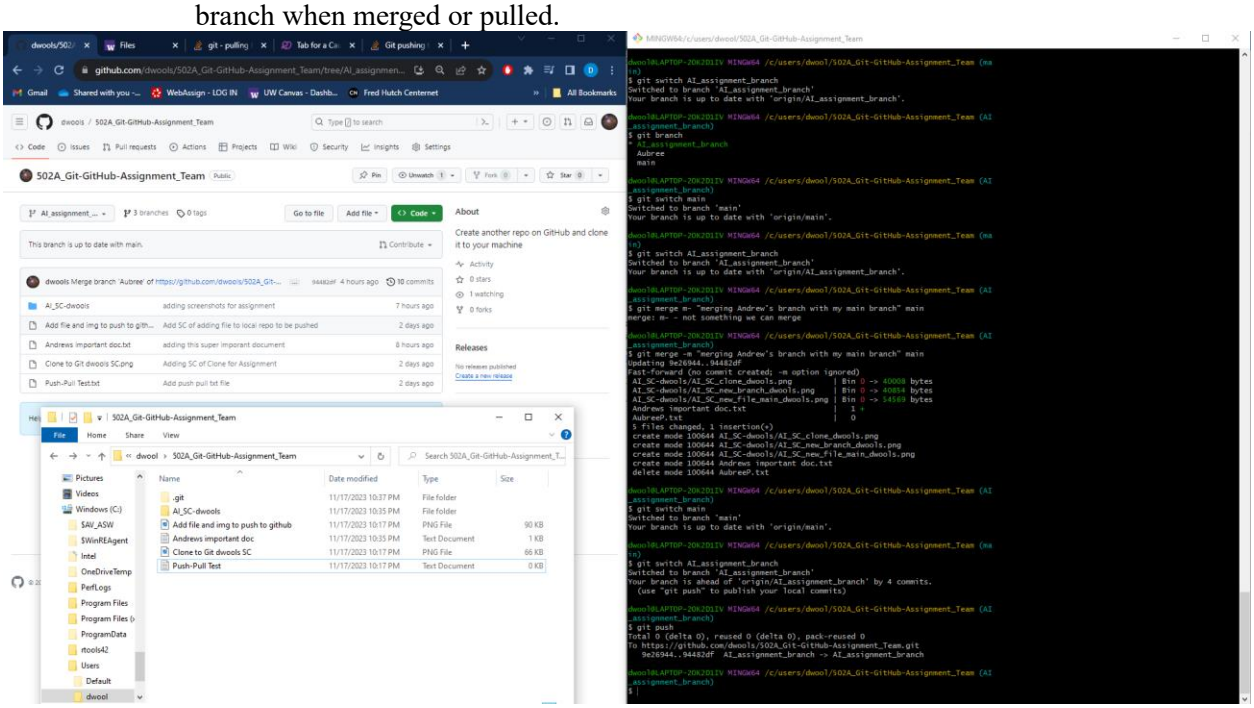


e. Aubree and Andrew pushed their files directly to my main branch. No material to pull from their respective branches. I pushed my local main branch, which was two commits ahead of the corresponding remote repository.

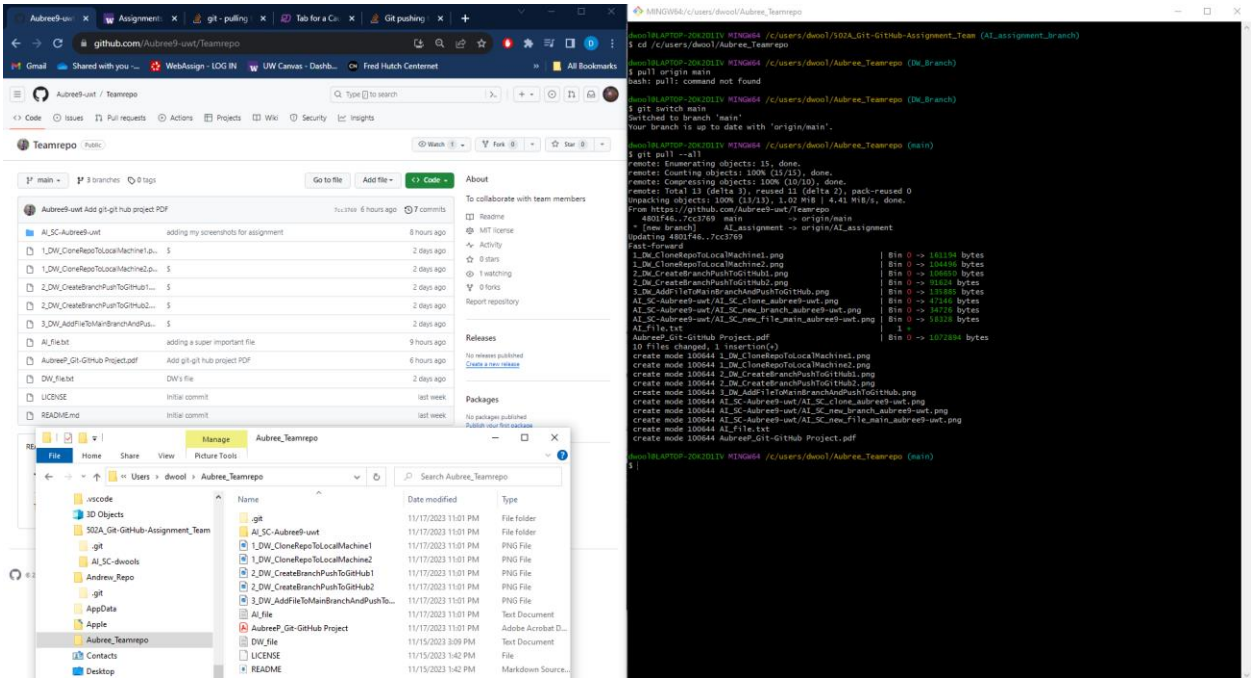




f. My main branch was already updated. For fun, I merged my main branch with Andrew's branch and pushed the updated branch to GitHub. This resulted in the loss of a file titled "Aubree.txt" which had already been deleted, but whose deletion had not been pushed. The "Aubree.txt" file had been in Andrew's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