

Aubree Payne

- create local repository (SC)

```
aub9@AubreePC-777 MINGW64 /c
$ cd TCC502Project/

aub9@AubreePC-777 MINGW64 /c/TCC502Project
$ ls
Docs/

aub9@AubreePC-777 MINGW64 /c/TCC502Project
$ cd docs

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs
$ ls

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs
$ mkdir git_project_fall12023

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs
$ ls
git_project_fall12023/

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs
$ cd git_project_fall12023/

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023
$ git init
Initialized empty Git repository in c:/TCC502Project/Docs/git_project_fall12023/.git/
```

- add a couple files to the repo (SC)

```
No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  git_text.txt

nothing added to commit but untracked files present (use "git add" to track)

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git add git_text.txt

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
  new file:   git_text.txt

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git commit -m "Adding text file"
[master (root-commit) 2ddc7a9] Adding text file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 git_text.txt

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ ls
git_text.txt  git_text2.txt

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git status
On branch master

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  git_text2.txt

nothing added to commit but untracked files present (use "git add" to track)

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git add git_text2.txt

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git status
On branch master

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
  new file:   git_text2.txt

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git commit -m "Adding second text file"
git: 'commit' is not a git command. See 'git --help'.

The most similar command is
  commit

aub9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall12023 (master)
$ git commit -m "Adding second text file"
[master 046cb31] Adding second text file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 git_text2.txt
```

- create another branch and add a file to that branch (SC)

```

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (master)
$ git branch git_project_branch1

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (master)
$ git checkout git_project_branch1
Switched to branch 'git_project_branch1'

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (git_proje
ct_branch1)
$ ls
git_text.txt  git_text2.txt

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (git_proje
ct_branch1)
$ ls
branch_file.txt  git_text.txt  git_text2.txt

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (git_proje
ct_branch1)
$ git status
On branch git_project_branch1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    branch_file.txt

nothing added to commit but untracked files present (use "git add" to track)

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (git_proje
ct_branch1)
$ git add branch_file.txt

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (git_proje
ct_branch1)
$ git status
On branch git_project_branch1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   branch_file.txt

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (git_proje
ct_branch1)
$ git commit -m "Adding file to branch"
[git_project_branch1 6b6ec21] Adding file to branch
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 branch_file.txt

```

- merge the contains of that branch into master/main branch (SC)

```

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (git_proje
ct_branch1)
$ git checkout master
Switched to branch 'master'

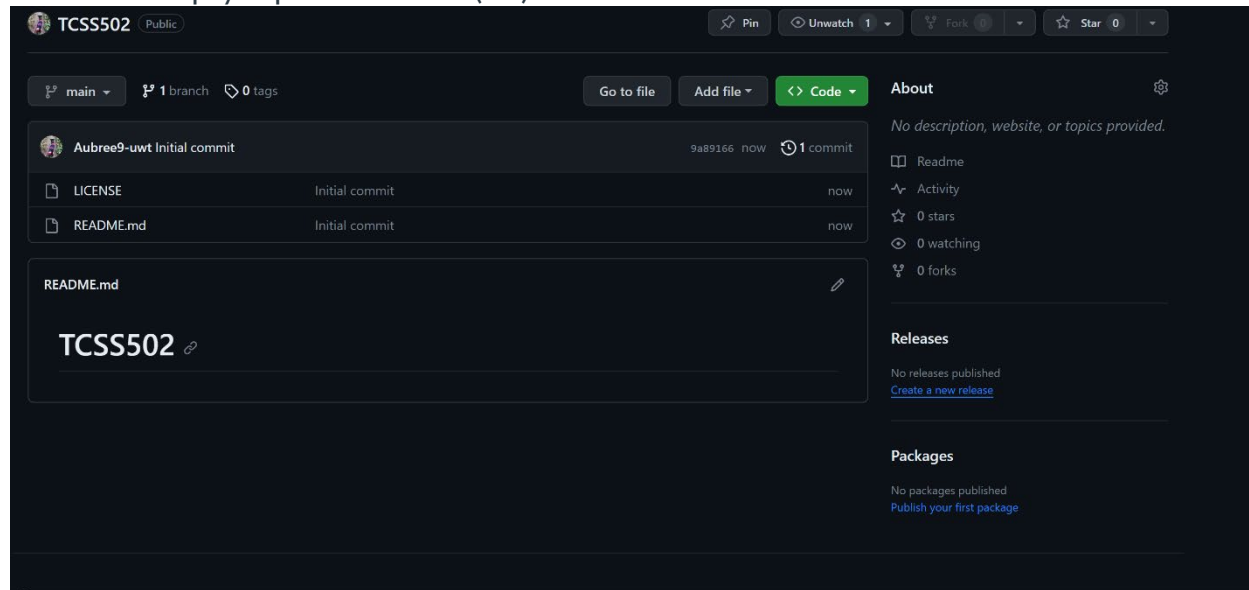
auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (master)
$ ls
git_text.txt  git_text2.txt

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (master)
$ git merge git_project_branch1
Updating 046cb31..6b6ec21
Fast-forward
 branch_file.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 branch_file.txt

auba9@AubreePC-777 MINGW64 /c/TCC502Project/docs/git_project_fall2023 (master)
$ ls
branch_file.txt  git_text.txt  git_text2.txt

```

- create an empty repo on GitHub (SC)



- copy (push) contents of local repository to empty repository on GitHub (SC)

```

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023 (git_proje
ct_branch1)
$ git push TCSS502
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (7/7), 662 bytes | 66.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'git_project_branch1' on GitHub by visiting:
remote:   https://github.com/Aubree9-uwat/TCSS502/pull/new/git_project_branch1
remote:
To https://github.com/Aubree9-uwat/TCSS502
 * [new branch]      git_project_branch1 -> git_project_branch1

```

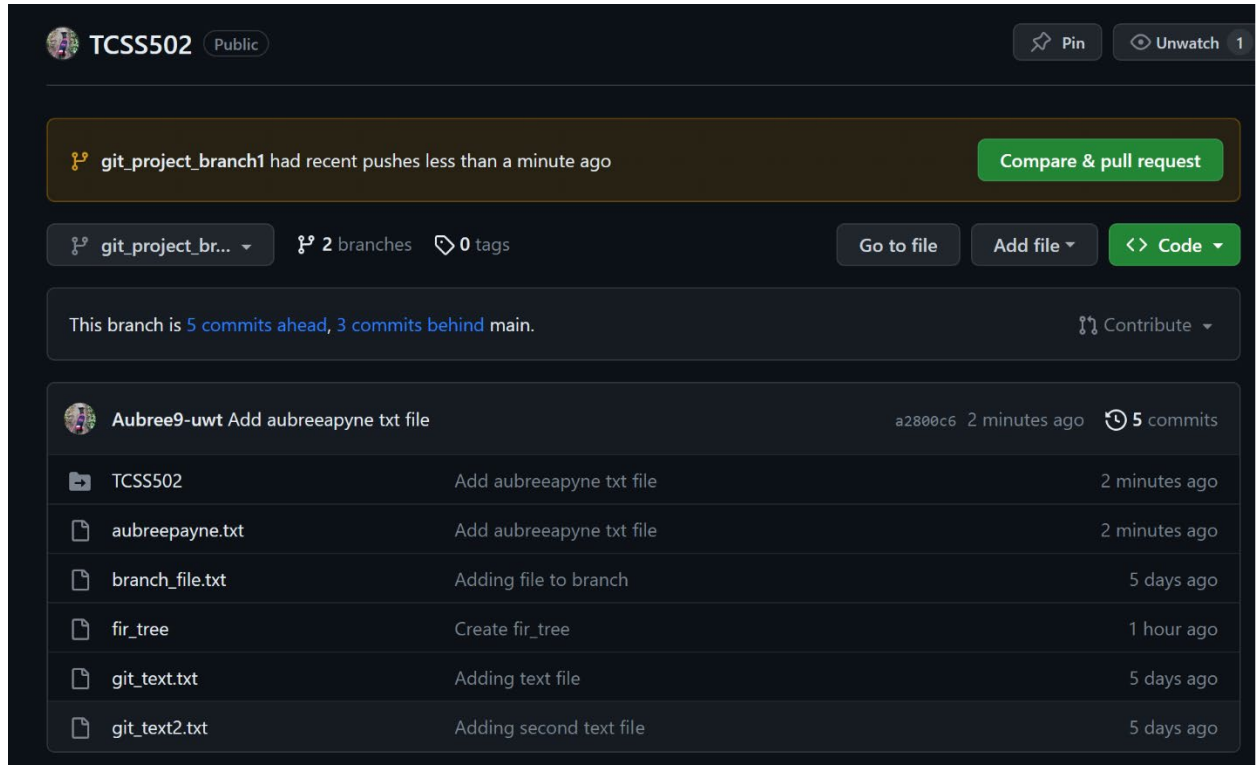
- add a file to the repo on GitHub then pull that file to your local machine (SC)

```

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023 (git_project_branch1)
$ git pull TCSS502 git_project_branch1
From https://github.com/Aubree9-uwat/TCSS502
 * branch            git_project_branch1 -> FETCH_HEAD
Updating 6b6ec21..b79ee85
Fast-forward
 fir_tree | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 fir_tree

```

- add another file to your local repo and push that to GitHub (SC)



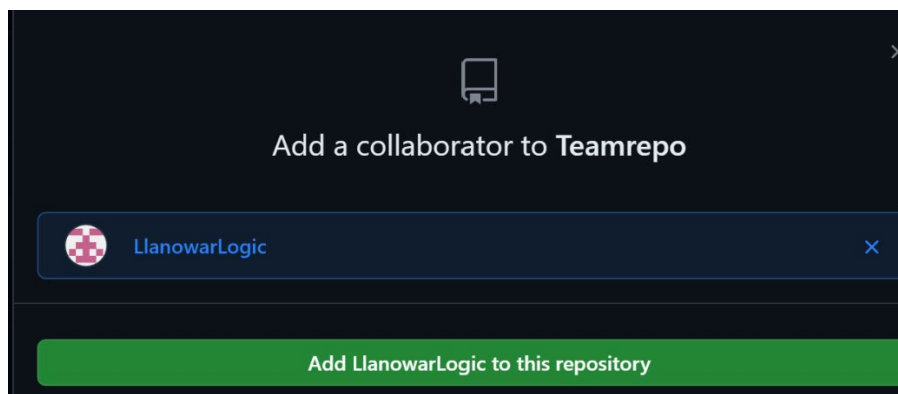
- create another repo on GitHub and clone it to your machine (SC)

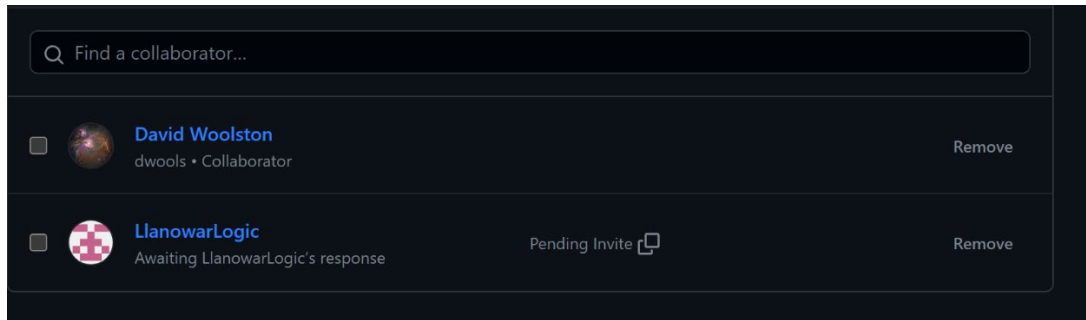
```

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fa
ct_branch1)
$ git clone https://github.com/Aubree9-uw/Teamrepo.git
Cloning into '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.

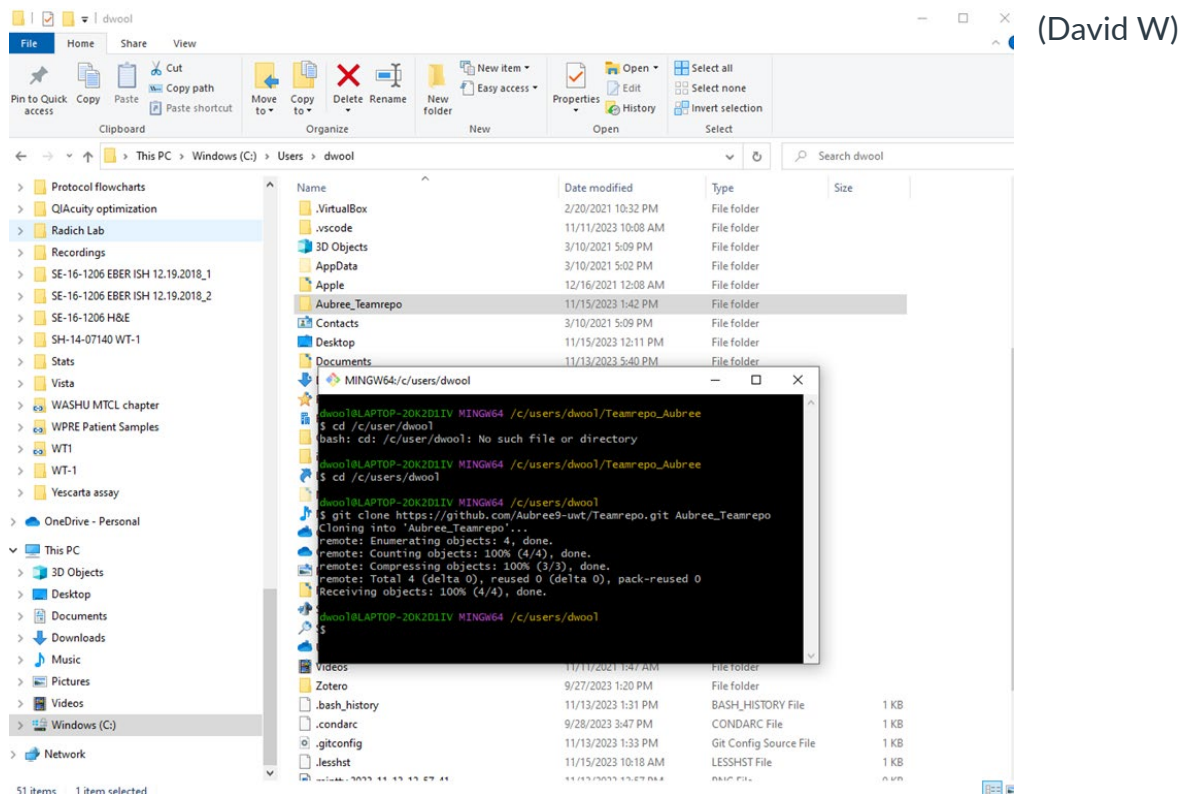
```

- invite your team members to one of your repos on GitHub (SC)



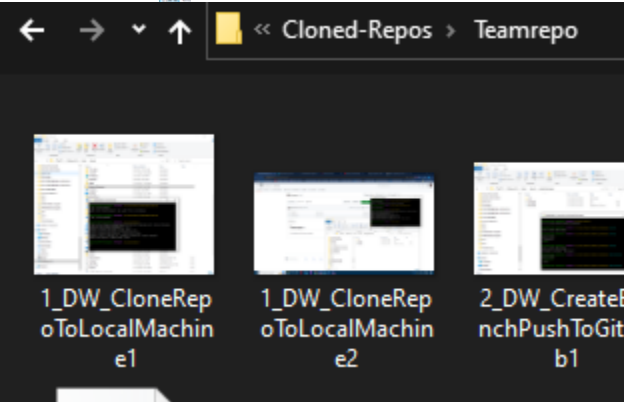


- have them clone the repo to their local machine (SC)



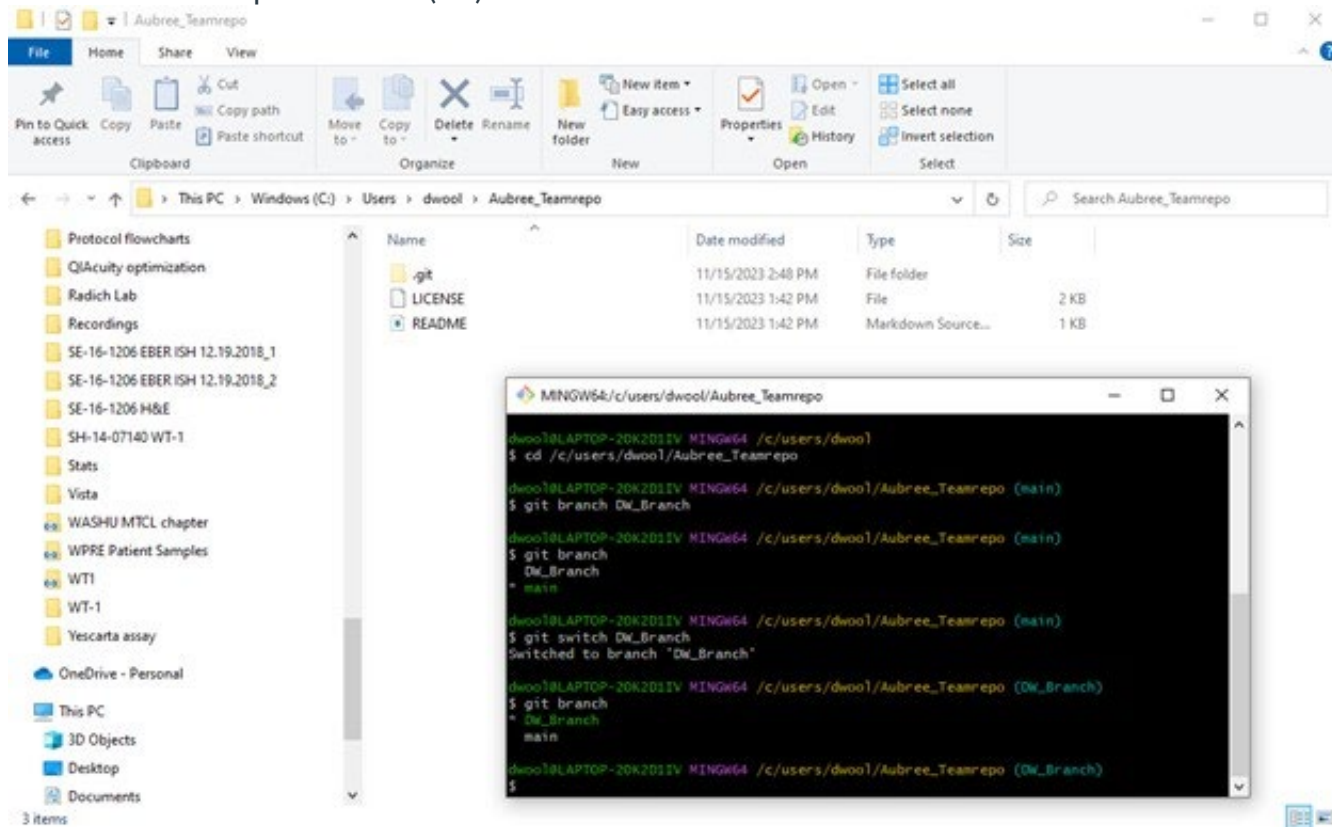
```
andrw@BLD MINGW64 ~/Repos/Cloned-Repos (master)
$ git clone https://github.com/Aubree9-uwf/Teamrepo.git
Cloning into 'Teamrepo'...
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 15 (delta 1), reused 9 (delta 0), pack-reused 0
Receiving objects: 100% (15/15), 583.58 KiB | 12.16 MiB/s, done.
Resolving deltas: 100% (1/1), done.

andrw@BLD MINGW64 ~/Repos/Cloned-Repos (master)
$
```



(Andrew I)

- have them create their own branch in that repo on their local machine then push the new branch up to GitHub (SC)



(David W)

```

andrw@BLD MINGW64 ~/Repos/Cloned-Repos (master)
$ cd /c/users/andrw/Repos/Cloned-Repos/Teamrepo

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (main)
$ git branch AI_assignment

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (main)
$ git switch AI_assignment
Switched to branch 'AI_assignment'

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (AI_assignment)
$ git status
On branch AI_assignment
nothing to commit, working tree clean

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (AI_assignment)
$ git push --set-upstream origin AI_assignment
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'AI_assignment' on GitHub by visiting:
remote:   https://github.com/Aubree9-uwf/Teamrepo/pull/new/AI_assignment
remote:
To https://github.com/Aubree9-uwf/Teamrepo.git
 * [new branch]      AI_assignment -> AI_assignment
branch 'AI_assignment' set up to track 'origin/AI_assignment'.

```

(Andrew I)

-
- The image is a composite of three screenshots illustrating a workflow for creating and pushing a new branch in a GitHub repository.
- Top Screenshot: GitHub Repository Page**
 The screenshot shows the GitHub web interface for a repository named 'Teamrepo'. The 'Branches' tab is selected, showing a list of branches: 'david's file', 'DW's file', 'LICENSE', and 'README.md'. The 'README.md' branch is highlighted.
- Bottom Left Screenshot: Windows File Explorer**
 The screenshot shows a Windows File Explorer window displaying the contents of the 'Teamrepo' directory. The files listed are 'git', 'DW's file', 'LICENSE', and 'README.md'. The 'git' folder is selected.
- Bottom Right Screenshot: Terminal Window**
 The screenshot shows a terminal window with the following commands and output:

```

$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

$ git checkout -b dev
Switched to a new branch 'dev'
Your branch is up to date with 'origin/dev'.

$ git status
On branch dev
Your branch is up to date with 'origin/dev'.

nothing to commit, working tree clean

$ git push origin dev
Enumerating objects 4, done.
Counting objects 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects 100% (3/3), done.
Writing objects 100% (3/3), 400 bytes | 400.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), push-received 0
To https://github.com:Teamrepo.git
   dev -> dev

```

(David W)

- have each team member add a file to the master/main branch from their local machine and push that up to GitHub (SC) (part 2)

```
andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (AI_assignment)
$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  AI_file.txt

nothing added to commit but untracked files present (use "git add" to track)

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (main)
$ git add AI_file.txt

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (main)
$ git commit -m "adding a super important file"
[main 29f72fa] adding a super important file
1 file changed, 1 insertion(+)
create mode 100644 AI_file.txt

andrw@BLD MINGW64 /c/users/andrw/Repos/Cloned-Repos/Teamrepo (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 295 bytes | 295.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Aubree9-uwu/Teamrepo.git
   dcc79d3..29f72fa  main -> main
```

(Andrew I)

- practice push/pull with GitHub repo to make sure everyone stays in synch with the files on GitHub (SC)

```

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git push
Everything up-to-date

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git checkout DW_Branch
error: pathspec 'DW_Branch' did not match any file(s) known to git

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git checkout branch
error: pathspec 'branch' did not match any file(s) known to git

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git checkout DW_Branch
error: pathspec 'DW_Branch' did not match any file(s) known to git

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (main)
$ git pull https://github.com/Aubree9-uw/Teamrepo.git
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 8 (delta 0), reused 7 (delta 0), pack-reused 0
Unpacking objects: 100% (8/8), 582.04 KiB | 1.53 MiB/s, done.
From https://github.com/Aubree9-uw/Teamrepo
 * branch            HEAD                -> FETCH_HEAD
Updating 4801f46..dcc79d3
Fast-forward
 1_DW_CloneRepoToLocalMachine1.png | Bin 0 -> 161194 bytes
 1_DW_CloneRepoToLocalMachine2.png | Bin 0 -> 104496 bytes
 2_DW_CreateBranchPushToGithub1.png | Bin 0 -> 106650 bytes
 2_DW_CreateBranchPushToGithub2.png | Bin 0 -> 91624 bytes
 3_DW_AddFileToMainBranchAndPushToGithub.png | Bin 0 -> 135885 bytes
5 files changed, 0 insertions(+), 0 deletions(-)
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

```

(David W added new files, practice pushed and pull between git hub and local repo)

```

auba9@AubreePC-777 MINGW64 ~ (master)
$ cd /c/TCC502/Docs/git_project_fall2023/Teamrepo
bash: cd: /c/TCC502/Docs/git_project_fall2023/Teamrepo: No such file or director
y

auba9@AubreePC-777 MINGW64 ~ (master)
$ cd /c/TCC502Project/git_project_fall2023/Teamrepo
bash: cd: /c/TCC502Project/git_project_fall2023/Teamrepo: No such file or direct
ory

auba9@AubreePC-777 MINGW64 ~ (master)
$ cd /c/TCC502Project/

auba9@AubreePC-777 MINGW64 /c/TCC502Project
$ cd /c/TCC502Project/Docs/git_project_fall2023/Teamrepo

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (
main)
$ git pull https://github.com/Aubree9-uwat/Teamrepo.git
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 2), reused 9 (delta 2), pack-reused 0
Unpacking objects: 100% (9/9), 123.90 kiB | 2.10 MiB/s, done.
From https://github.com/Aubree9-uwat/Teamrepo
* branch HEAD -> FETCH_HEAD
Updating dcc79d3..df5fcad
Fast-forward
 AI_SC-Aubree9-uwat/AI_SC_clone_aubree9-uwat.png | Bin 0 -> 47146 bytes
 AI_SC-Aubree9-uwat/AI_SC_new_branch_aubree9-uwat.png | Bin 0 -> 34726 bytes
 AI_SC-Aubree9-uwat/AI_SC_new_file_main_aubree9-uwat.png | Bin 0 -> 58328 bytes
 AI_file.txt | 1 +
4 files changed, 1 insertion(+)
create mode 100644 AI_SC-Aubree9-uwat/AI_SC_clone_aubree9-uwat.png
create mode 100644 AI_SC-Aubree9-uwat/AI_SC_new_branch_aubree9-uwat.png
create mode 100644 AI_SC-Aubree9-uwat/AI_SC_new_file_main_aubree9-uwat.png
create mode 100644 AI_file.txt

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (
main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 4 commits.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (
main)
$ git push
Everything up-to-date

auba9@AubreePC-777 MINGW64 /c/TCC502Project/Docs/git_project_fall2023/Teamrepo (
main)
$ |

```

(Andrew I added new files, pulled from github to local, pushed again to make sure all update to date)