

## D197 - Version Control

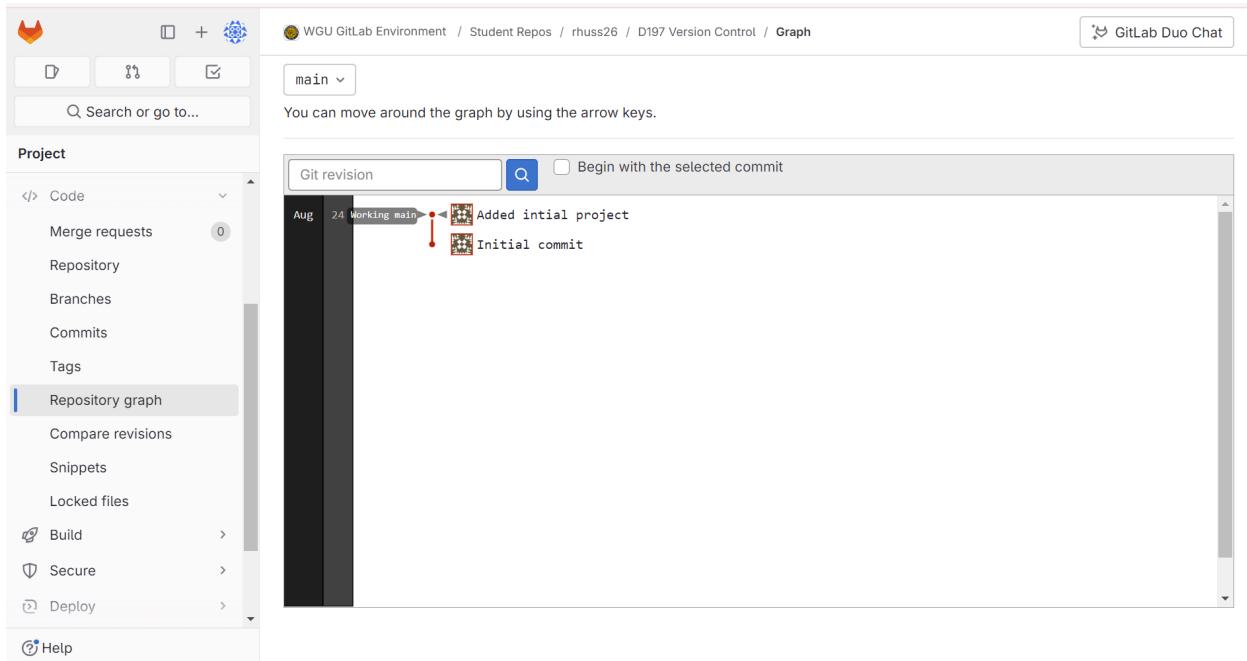
Rashad Hussain

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### Step A Screenshot

Below is a screenshot of the current repository graph in Gitlab after completing the steps in A:

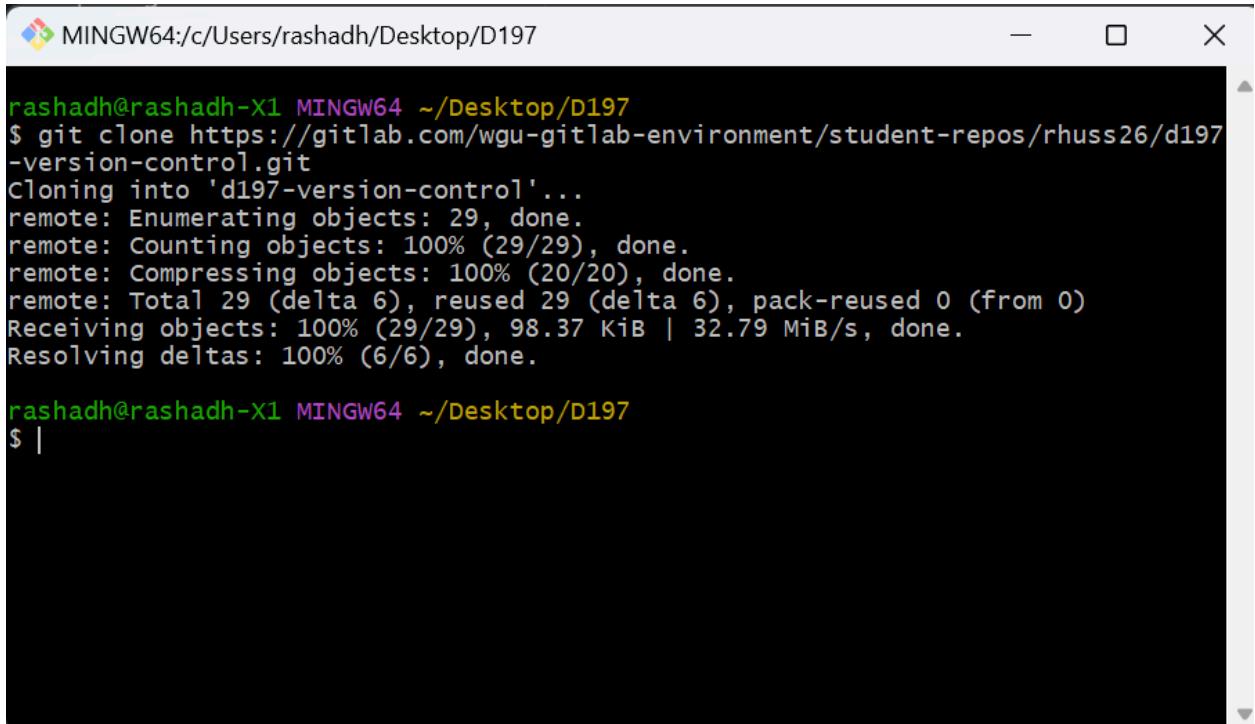
- I created a new branch called “Working” and took a screenshot of the repository graph after completing that task.



### Step B Screenshot

Below is a screenshot of the command line action (be sure to have your repository name visible in the command prompt) after completing the steps in B:

- I cloned my GitLab repository to my local machine.



```
rashad@rashad-X1 MINGW64 ~/Desktop/D197
$ git clone https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
Cloning into 'd197-version-control'...
remote: Enumerating objects: 29, done.
remote: Counting objects: 100% (29/29), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 29 (delta 6), reused 29 (delta 6), pack-reused 0 (from 0)
Receiving objects: 100% (29/29), 98.37 KiB | 32.79 MiB/s, done.
Resolving deltas: 100% (6/6), done.

rashad@rashad-X1 MINGW64 ~/Desktop/D197
$ |
```

### Step C Screenshot

Below is a screenshot for each git command for each change made to the HTML files after completing the steps in C:

- I made edits to three html files (contact.html, about.html, services.html)



```
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ nano contact.html

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git add .

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git commit -m "I added my email contact information with a link in contact.html."
[working 11546c8] I added my email contact information with a link in contact.html.
1 file changed, 1 insertion(+), 1 deletion(-)

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Working, visit:
remote: https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control/-/merge_requests/new?merge_request%5Bsource_branch%5D=working
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
  0b3dc2f..11546c8  working -> working

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ |
```

```
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ nano about.html
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ git add .
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ git commit -m "In about.html, I changed the title to 'WGU - About Page' and I changed the Header to say 'About the Team'." 
[Working 740d6ba] In about.html, I changed the title to 'WGU - About Page' and I changed the Header to say 'About the Team'.
1 file changed, 3 insertions(+), 3 deletions(-)
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 375 bytes | 375.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Working, visit:
remote:   https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control/-/merge_requests/new?merge_request%5Bsource_branch%5D=working
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
 16146c0..740d6ba Working -> Working
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ |
```

```
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ ls
README.md  about.html  contact.html  css/  customers.html  images/  index.html  js/  services.html  team.html  vision.html
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ nano services.html
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ git add .
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ git commit -m "In services.html, I edited the title."
[Working 0b3dc2f] In services.html, I edited the title.
1 file changed, 3 insertions(+), 3 deletions(-)
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 341 bytes | 341.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Working, visit:
remote:   https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control/-/merge_requests/new?merge_request%5Bsource_branch%5D=working
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
 740d6ba..0b3dc2f Working -> Working
rashad@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (working)
$ |
```

Below is a screenshot of the command line action (be sure to have your repository name visible in the command prompt) after completing the steps in C:

**See above.**

**Both actions are in one big screenshot.**

### **Step D Two Screenshots**

Below is a screenshot of the command line action (be sure to have your repository name visible in the command prompt) after completing the steps in D:

- Created another branch called Test1 and edited the Readme file to contain my student ID.
- I initially created a branch called “Test”, however, I made a mistake with my commit to not have text so it did not reflect on the repo graph. I cleared my terminal before I realized my mistake.

```
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test)
$ git checkout Working
Switched to branch 'Working'
M README.md
Your branch is up to date with 'origin/working'.

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git branch test
fatal: a branch named 'test' already exists

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git branch Test1
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git checkout Test1
Switched to branch 'test1'
M README.md

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test1)
$ nano README.md

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test1)
$ git add .

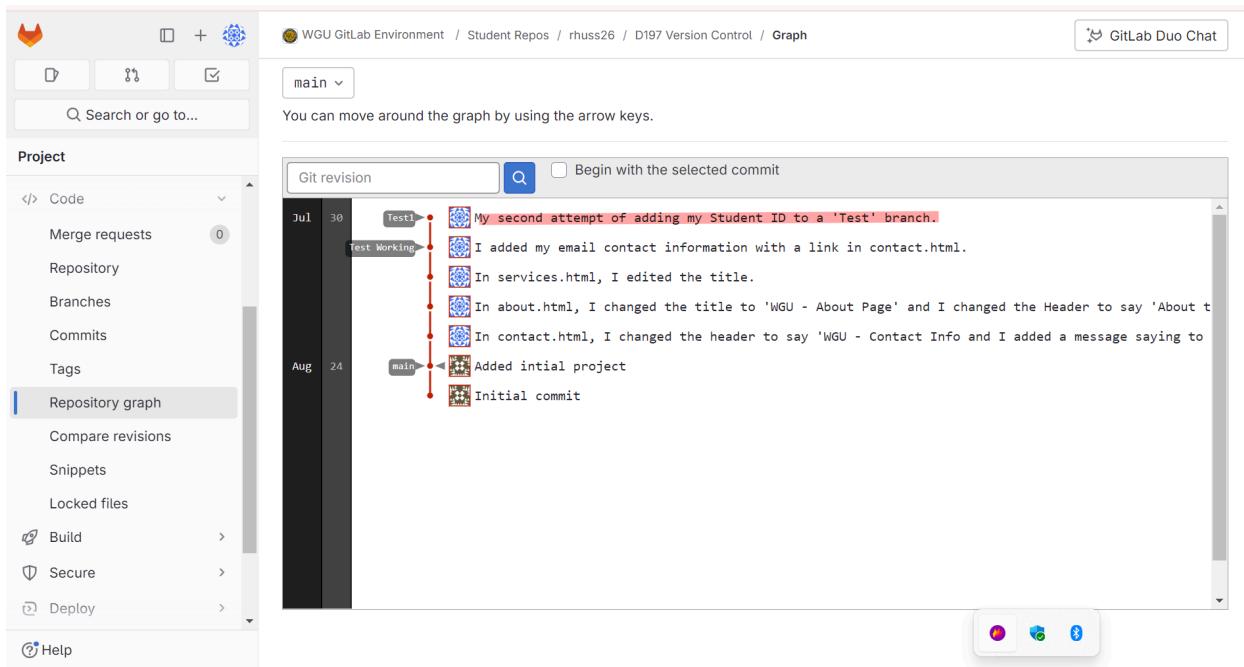
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test1)
$ git commit -m "My second attempt of adding my Student ID to a 'Test' branch."
[Test1 57d430e] My second attempt of adding my Student ID to a 'Test' branch.
1 File changed, 1 insertion(+), 1 deletion(-)

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test1)
$ git push
fatal: The current branch Test1 has no upstream branch.
To push the current branch and set the remote as upstream, use
    git push --set-upstream origin Test1
To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test1)
$ git push --set-upstream origin Test1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 365 bytes | 365.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Test1, visit:
remote: https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control/-/merge_request
s/new?merge_request%5Bsource_branch%5D=test1
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
 * [new branch]      Test1 -> Test1
branch 'Test1' set up to track 'origin/Test1'.

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test1)
$
```

Below is a screenshot of the current repository graph in Gitlab after completing the steps in D:



### **Step E Two Screenshots**

Below is a screenshot that demonstrates the conflict of a merge command line action (be sure to have your repository name visible in the command prompt) after completing the steps in E:

- I edited the Readme file within the Working branch to create a merge conflict.
- I began a merge and received a conflict message. I resolved the conflict and posted the screenshot below.

```
rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Test1)
$ git checkout Working
Switched to branch 'Working'
Your branch is up to date with 'origin/working'.

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ nano readme.md

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git add .

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git commit -m "I added the version number to the Working branch within the Readme file"
[working ed60936] I added the version number to the Working branch within the Readme file
 1 file changed, 1 insertion(+), 1 deletion(-)

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 361 bytes | 361.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Working, visit:
remote:   https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control/-/merge_request
s/new?merge_request%5Bsource_branch%5D=Working
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
 11546c8..ed60936 Working -> Working

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git merge Test1 -m "Merging branches"
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
```

```
rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git merge Test1 -m "Merging branches"
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working|MERGING)
$ nano readme.md

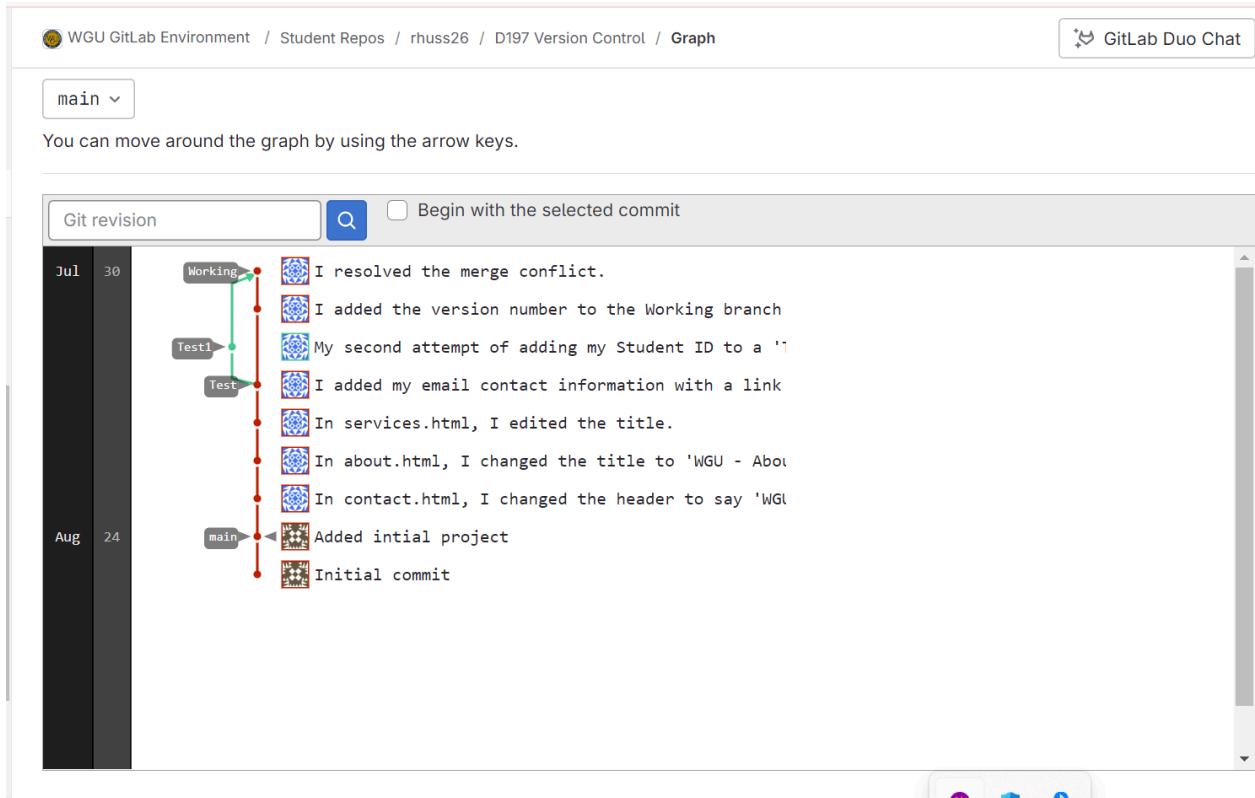
rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working|MERGING)
$ git add .

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working|MERGING)
$ git commit -m "I resolved the merge conflict."
[Working 9a4a78b] I resolved the merge conflict.

rashadh@rashadh-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 362 bytes | 362.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Working, visit:
remote:   https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control/-/merge_request
s/new?merge_request%5Bsource_branch%5D=Working
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
  ed60936..9a4a78b Working -> Working
```

Below is a screenshot of the current repository graph in Gitlab after completing the steps in E:

- I took a screenshot of my repository graph.



### Step F Two Screenshots

Below is a screenshot of the command line action (be sure to have your repository name visible in the command prompt) after completing the steps in F:

- In this step, I created a new directory called “retrospective” with two txt files being log.txt and summary.txt. In log.txt, I ran the git log command and pointed it to the log.txt file so it had all the logs visible. In summary.txt, I edited the file to explain what I did in step E1 and in step C.

```
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ mkdir retrospective
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ cd retrospective
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ touch log.txt
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ ls
log.txt
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ git > log.txt
warning: in the working copy of 'retrospective/log.txt', LF will be replaced by CRLF the next time Git touches it
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ nano log.txt
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ touch summary.txt
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ nano summary.txt
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ git add .
warning: in the working copy of 'retrospective/summary.txt', LF will be replaced by CRLF the next time Git touches it
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ ..
bashi: .: command not found
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control/retrospective (Working)
$ cd ..
rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git add .

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git commit -m "I created a new directory called 'retrospective'. Within this directory, I created two txt files called logs.txt and summary.txt."
[Working 47f3b96] I created a new directory called 'retrospective'. Within this directory, I created two txt files called logs.txt and summary.txt.
 2 files changed, 62 insertions(+)
 create mode 100644 retrospective/log.txt
 create mode 100644 retrospective/summary.txt

rashad@rashad-X1 MINGW64 ~/Desktop/D197/d197-version-control (Working)
$ git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 1.58 KiB | 1.58 MiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Working, visit:
remote:   https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control/-/merge_requests/new?merge_request%5Bsource_branch%5D=Working
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/rhuss26/d197-version-control.git
 9a4a78b..47f3b96 Working -> Working
```

Below is a screenshot of the current repository graph in Gitlab after completing the steps in F:

- This is what my repository graph looks like after completing all the steps.

0b3dc2f0774b66c0ad6176aa019fbe4323f7301f ▾

You can move around the graph by using the arrow keys.

