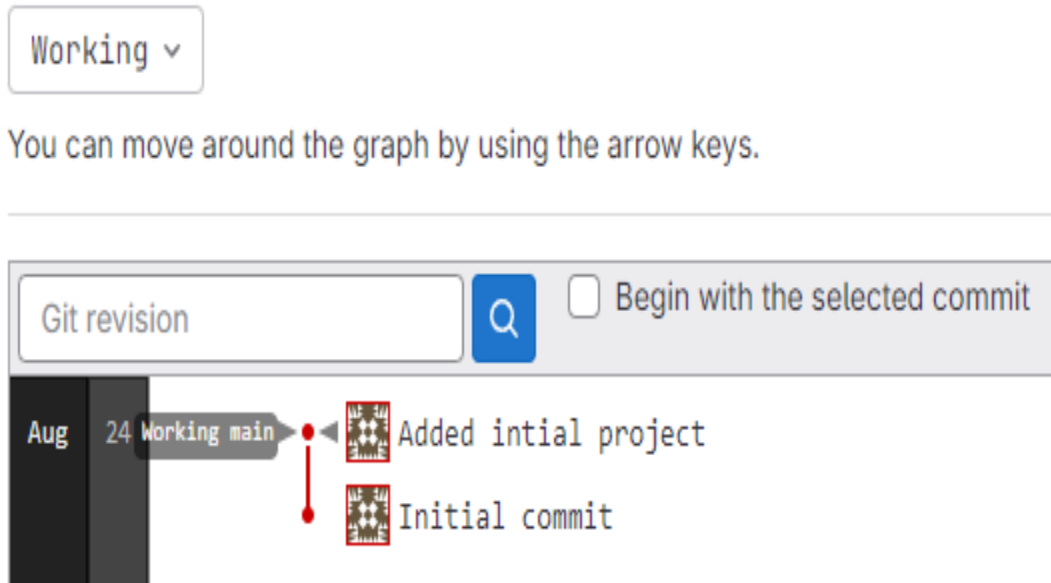


D197 - Version Control Template

Step A Screenshot

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



Step B Screenshot

Below is a screenshot of the command line action after completing the steps in B:

```
JoshyBoi@DESKTOP-BB1F900 MINGW64 ~ (main)
$ git clone https://joshua.truong:glpat-yZk1AZZCpyZx0QvSaKM3@gitlab.com/wgu-gitlab-environment/student-repos/jtruo35/d197-version-control.git
Cloning into 'd197-version-control'...
remote: Enumerating objects: 29, done.
remote: Total 29 (delta 0), reused 0 (delta 0), pack-reused 29 (from 1)
Receiving objects: 100% (29/29), 98.37 KiB | 16.40 MiB/s, done.
Resolving deltas: 100% (6/6), done.
```

I was having problems with cloning at first because I was logged into my personal email instead of my school email but my course instructor helped me fix this problem. I had to make a global user.name and create a new token for me to clone.

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:

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ notepad about.html

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git add about.html

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git commit -m "Changed the first sentence in the about us paragraph"
[Working da40e15] Changed the first sentence in the about us paragraph
1 file changed, 1 insertion(+), 1 deletion(-)
```

I used ls to see a list of the files and notepad to open the first file.

I made a small change and save the file before adding and committing.

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ notepad customers.html

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git add customers.html

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git commit -m "Updated customer 2 review"
[Working 4af7898] Updated customer 2 review
1 file changed, 1 insertion(+), 1 deletion(-)
```

I did the same for the customer.html file.

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ notepad vision.html

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git add vision.html

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git commit -m "Added more to mission statement"
[Working 201062e] Added more to mission statement
1 file changed, 1 insertion(+), 1 deletion(-)

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$
```

My last change was to the vision.html file.

Below is a screenshot of the command line action after completing the steps in C:

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git push origin main
Everything up-to-date
```

I pushed the changes in this local repository to the main branch.

Step D Two Screenshots

Below is a screenshot of the command line action after completing the steps in D:

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git checkout -b Test
Switched to a new branch 'Test'
```

Switch the working directory to the specified branch. Adding -b to checkout will create the branch if it does not already exist.

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Test)
$ notepad README.md
```

Open the read me file with notepad.

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Test)
$ git add README.md

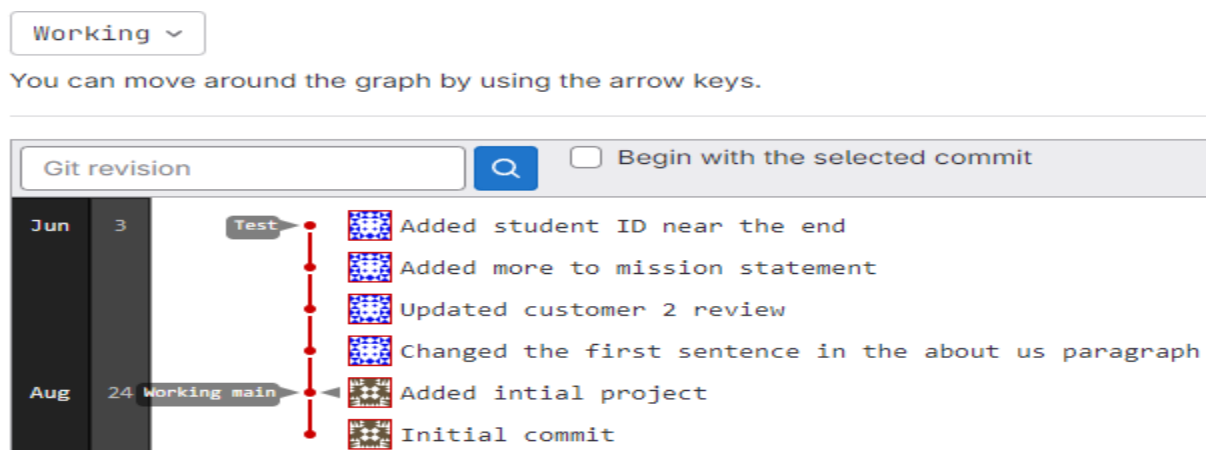
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Test)
$ git commit -m "Added student ID near the end"
[Test c946b56] Added student ID near the end
1 file changed, 3 insertions(+)
```

Saved the notepad file and closed it before adding and committing.

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Test)
$ git push origin Test
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 8 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (12/12), 1.32 KiB | 1.32 MiB/s, done.
Total 12 (delta 8), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for Test, visit:
remote:   https://gitlab.com/wgu-gitlab-environment/student-repos/jtruo35/d197-version-control/-/merge_requests/new?merge_request%5Bsource_branch%5D=Test
remote:
To https://gitlab.com/wgu-gitlab-environment/student-repos/jtruo35/d197-version-control.git
 * [new branch]      Test -> Test
```

I pushed the local changes to the Test branch.

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



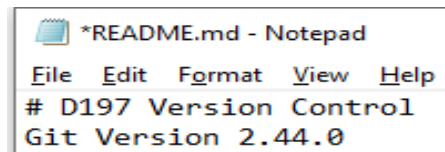
Step E Two Screenshots

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:

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git --version
git version 2.44.0.windows.1

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ notepad README.md
```

I used git --version to get the current version.



*README.md - Notepad

File Edit Format View Help

D197 Version Control

Git Version 2.44.0

I added the git version to the read me file and saved it.

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git add README.md

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git commit -m "Added git version number at the top"
[Working e64fe38] Added git version number at the top
1 file changed, 1 insertion(+), 1 deletion(-)
```

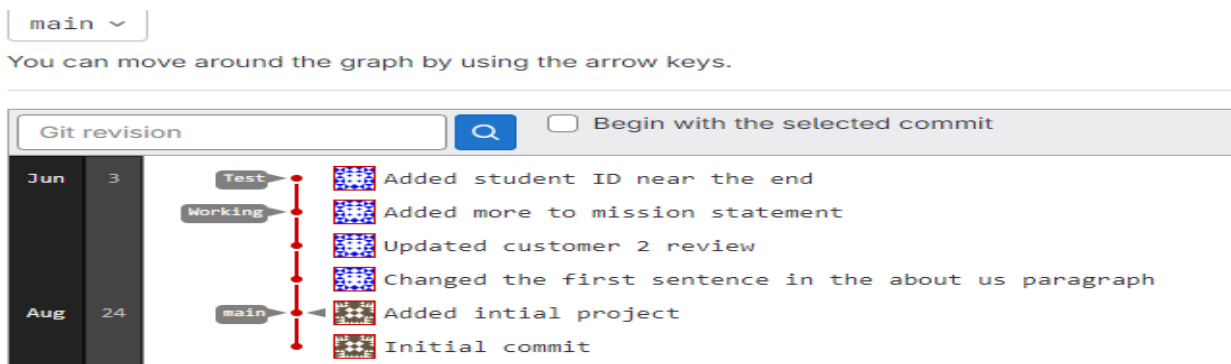
Then I added and committed the change.

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git merge Test
Auto-merging README.md
Merge made by the 'ort' strategy.
 README.md | 3 +++
1 file changed, 3 insertions(+)

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git merge Test
Already up to date.
```

I merged the Test branch but there was no error when I did so.

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



Step F Two Screenshots

Below is a screenshot of the command line action after completing the steps in F:

```
JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git tag -a V.1.0.0
fatal: no tag message?

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ ^C

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git tag -a V.1.0.0 -m "Version 1.0.0"

JoshyBoi@DESKTOP-BB1F9D0 MINGW64 ~/d197-version-control (Working)
$ git push origin V.1.0.0
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 758 bytes | 758.00 KiB/s, done.
Total 7 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
To https://gitlab.com/wgu-gitlab-environment/student-repos/jtruo35/d197-version-control.git
 * [new tag]          V.1.0.0 -> V.1.0.0
```


Create a tag object named V.1.0.0 but got an error.

I added a tag message after and tried again and it worked.

I pushed the changes to the new tag.

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

Tags give the ability to mark specific points in history as being important

 V.1.0.0

dc16bd08 · Merge branch 'Test' into Working · 10 minutes ago

Version 1.0.0