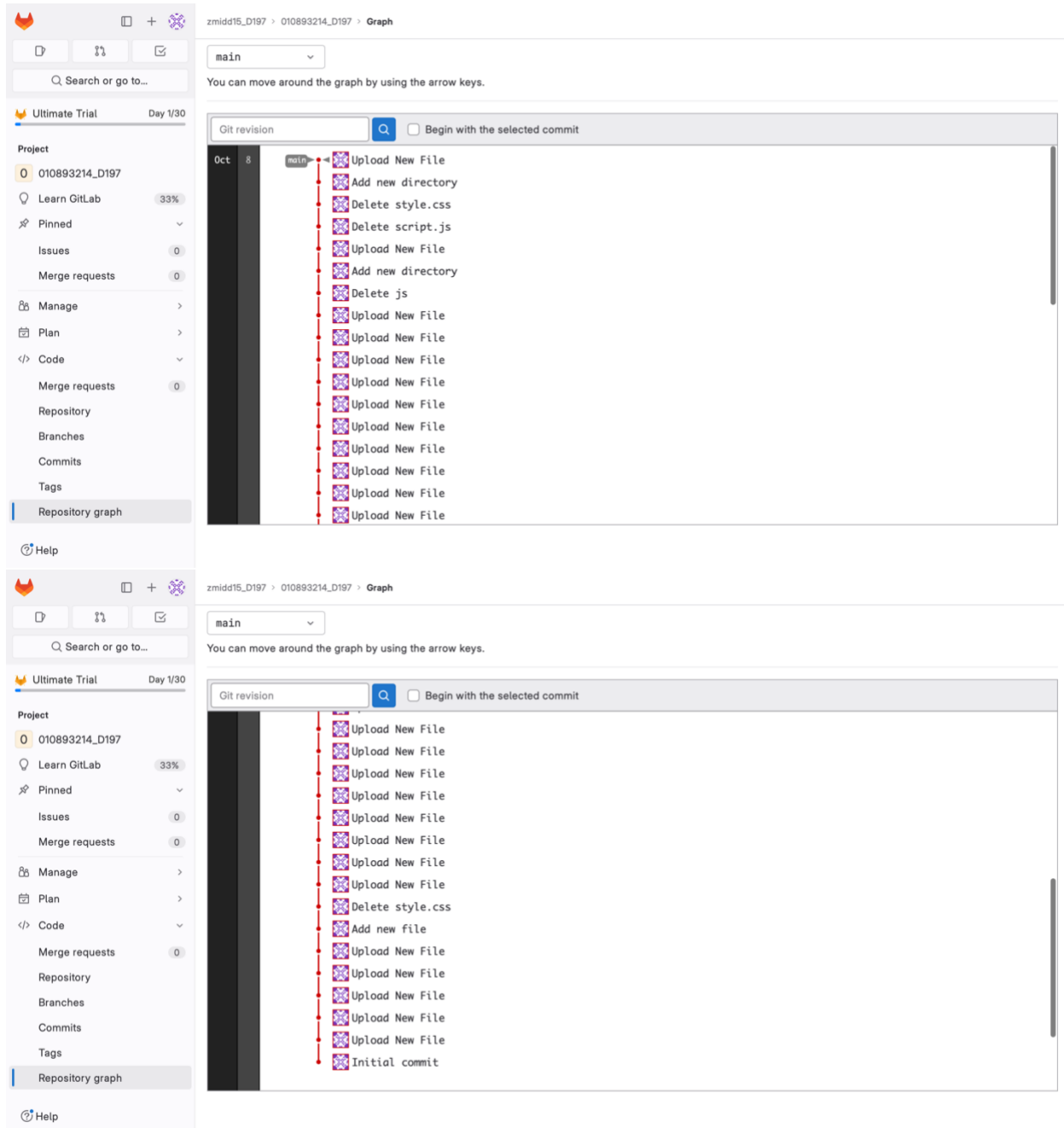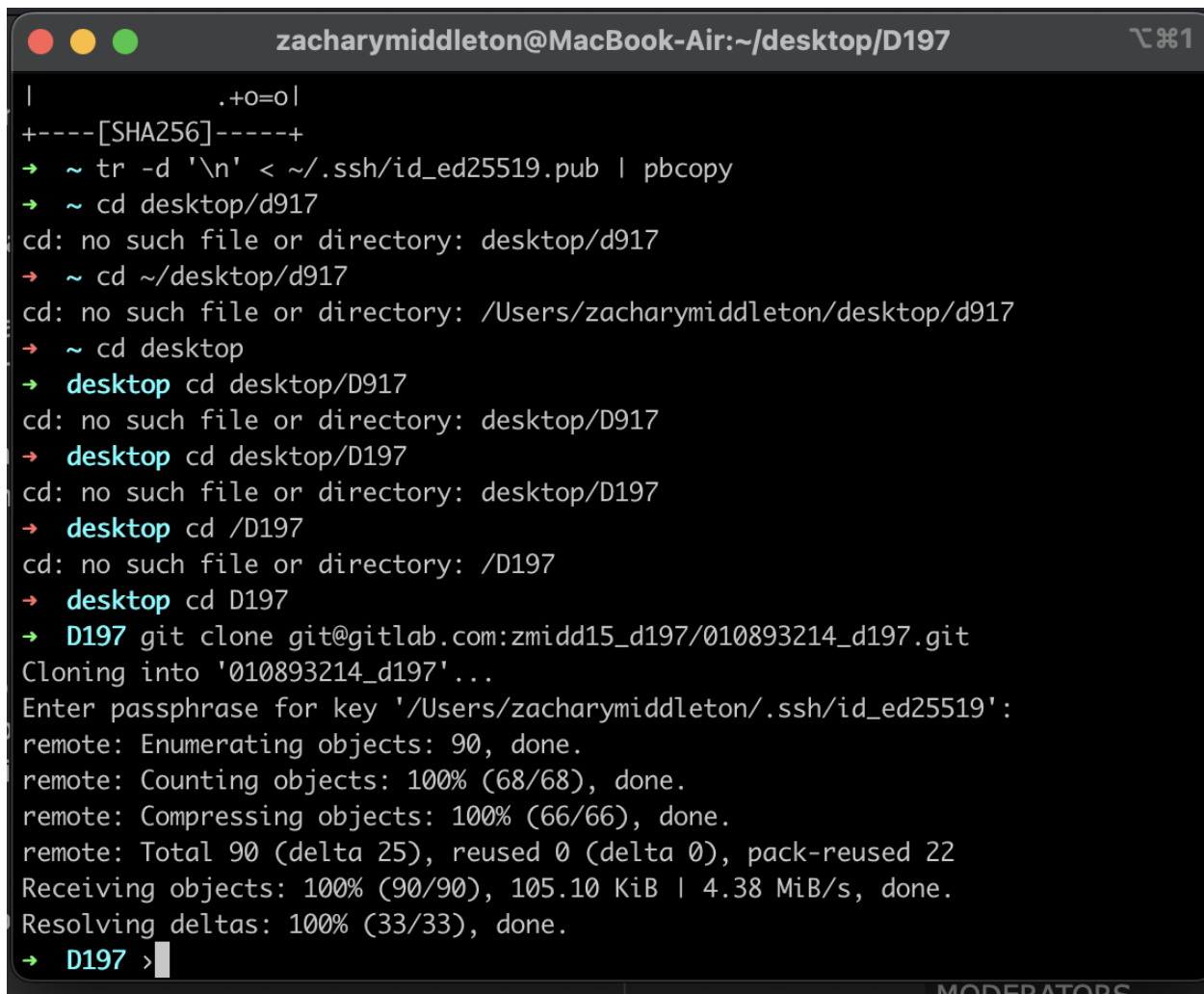# D197 - Version Control

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:

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:

```
→  010893214_d197 git:(main) git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
→  010893214_d197 git:(main) git status
On branch main
Your branch is up to date with 'origin/main'.

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:   about.html

no changes added to commit (use "git add" and/or "git commit -a")
→  010893214_d197 git:(main) ✗ git add about.html
→  010893214_d197 git:(main) ✗ git commit -m "Added text to about section"
[main 3de424c] Added text to about section
 1 file changed, 2 insertions(+), 1 deletion(-)
→  010893214_d197 git:(main)
```

```
→  010893214_d197 git:(main) git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

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:   customers.html

no changes added to commit (use "git add" and/or "git commit -a")
→  010893214_d197 git:(main) ✗ git add customer.html
fatal: pathspec 'customer.html' did not match any files
→  010893214_d197 git:(main) ✗ git add customers.html
→  010893214_d197 git:(main) ✗ git commit -m "Added text to customer section"
[main 17dfe0a] Added text to customer section
 1 file changed, 2 insertions(+), 1 deletion(-)
→  010893214_d197 git:(main)
```
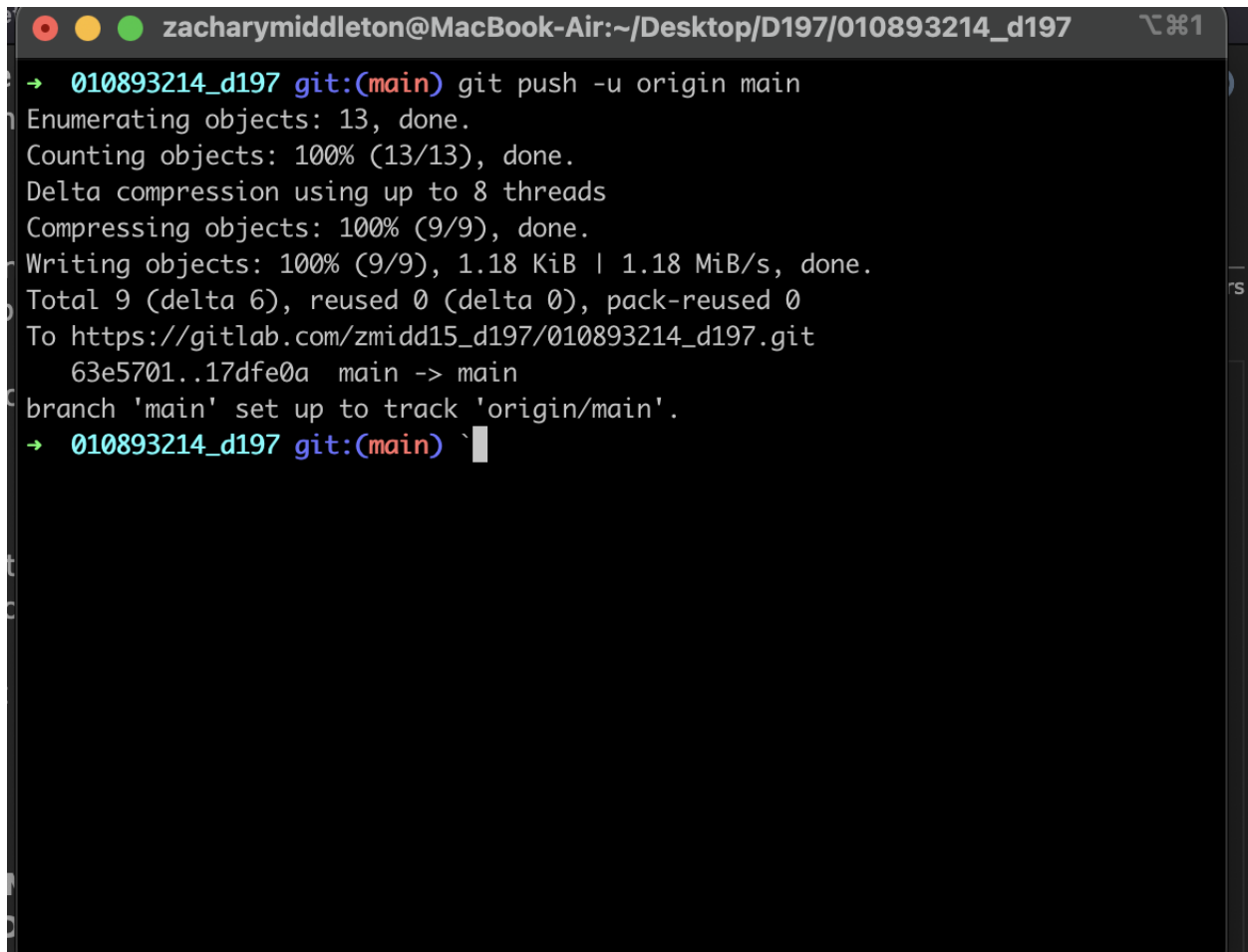
```
→  010893214_d197 git:(main) git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:    contact.html

no changes added to commit (use "git add" and/or "git commit -a")
→  010893214_d197 git:(main) ✗ git add contact.html
→  010893214_d197 git:(main) ✗ git commit -m "Added text to contact section"
[main a7b1241] Added text to contact section
 1 file changed, 2 insertions(+), 1 deletion(-)
→  010893214_d197 git:(main)
```

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

Step D Two Screenshots

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

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

Step E Two Screenshots

Zachary Middleton   10/09/2023
Student ID: 010893214
D197 – Version Control Template

Below is a screenshot that demonstrates the conflict of a merge command line action after completing
the steps in E:

```
→ 010893214_D197 git:(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
→ 010893214_D197 git:(main) git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
→ 010893214_D197 git:(main) x git add .
→ 010893214_D197 git:(main) x git commit -m "Updated student ID"
[main eb73260] Updated student ID
 1 file changed, 1 insertion(+), 1 deletion(-)
→ 010893214_D197 git:(main) git merge readme
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
→ 010893214_D197 git:(main) x git merge readme
error: Merging is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.
→ 010893214_D197 git:(main) x git add .
→ 010893214_D197 git:(main) x git commit -m "Updated student ID"
[main ba7a219] Updated student ID
→ 010893214_D197 git:(main) git status
On branch main
Your branch is ahead of 'origin/main' by 7 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
→ 010893214_D197 git:(main) git push
Enumerating objects: 21, done.
Counting objects: 100% (21/21), done.
Delta compression using up to 8 threads
Compressing objects: 100% (13/13), done.
Writing objects: 100% (19/19), 1.74 KiB | 1.74 MiB/s, done.
Total 19 (delta 8), reused 1 (delta 0), pack-reused 0
To https://gitlab.com/zmidd15_d197/010893214_d197.git
   17dfe0a..ba7a219  main -> main
→ 010893214_D197 git:(main) í
```
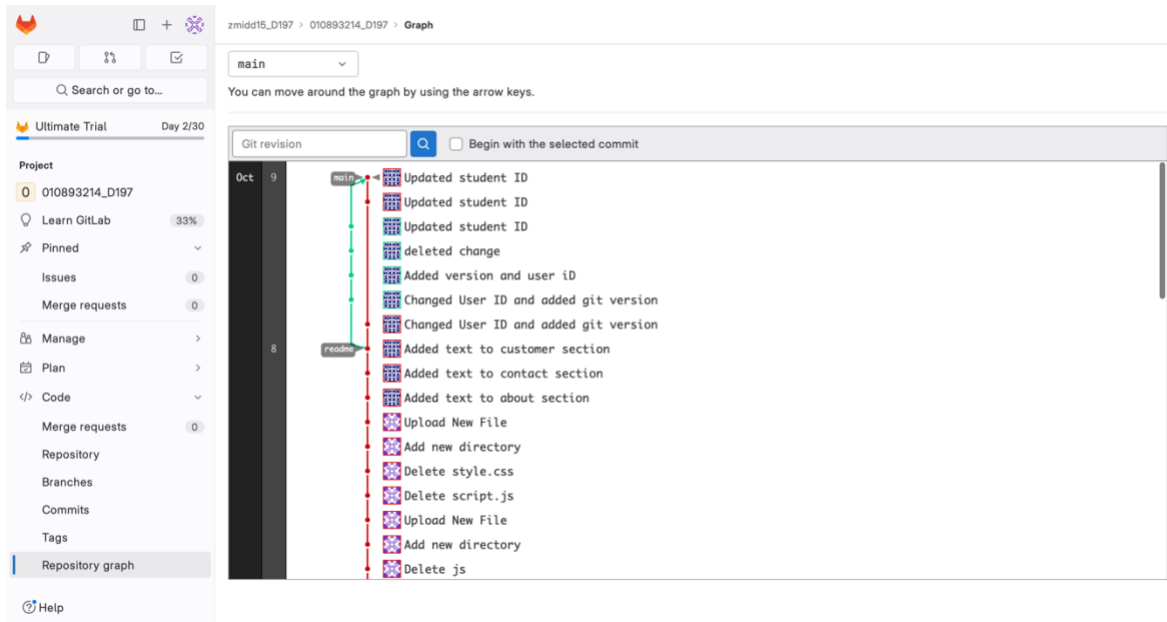
Below is a screenshot of the current repository graph in Gitlab after completing the steps in E:

Step F Two Screenshots

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

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