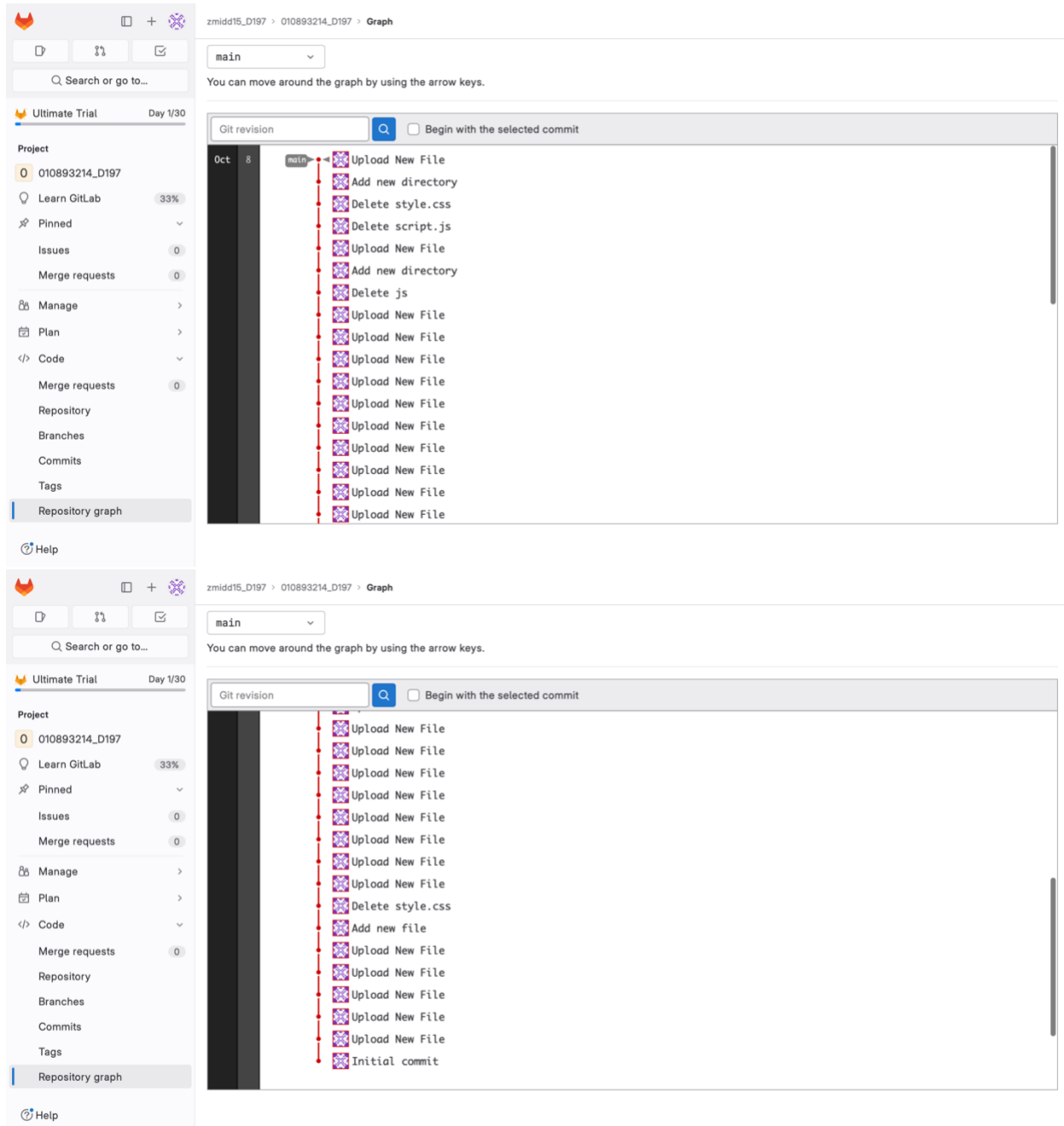


D197 - Version Control

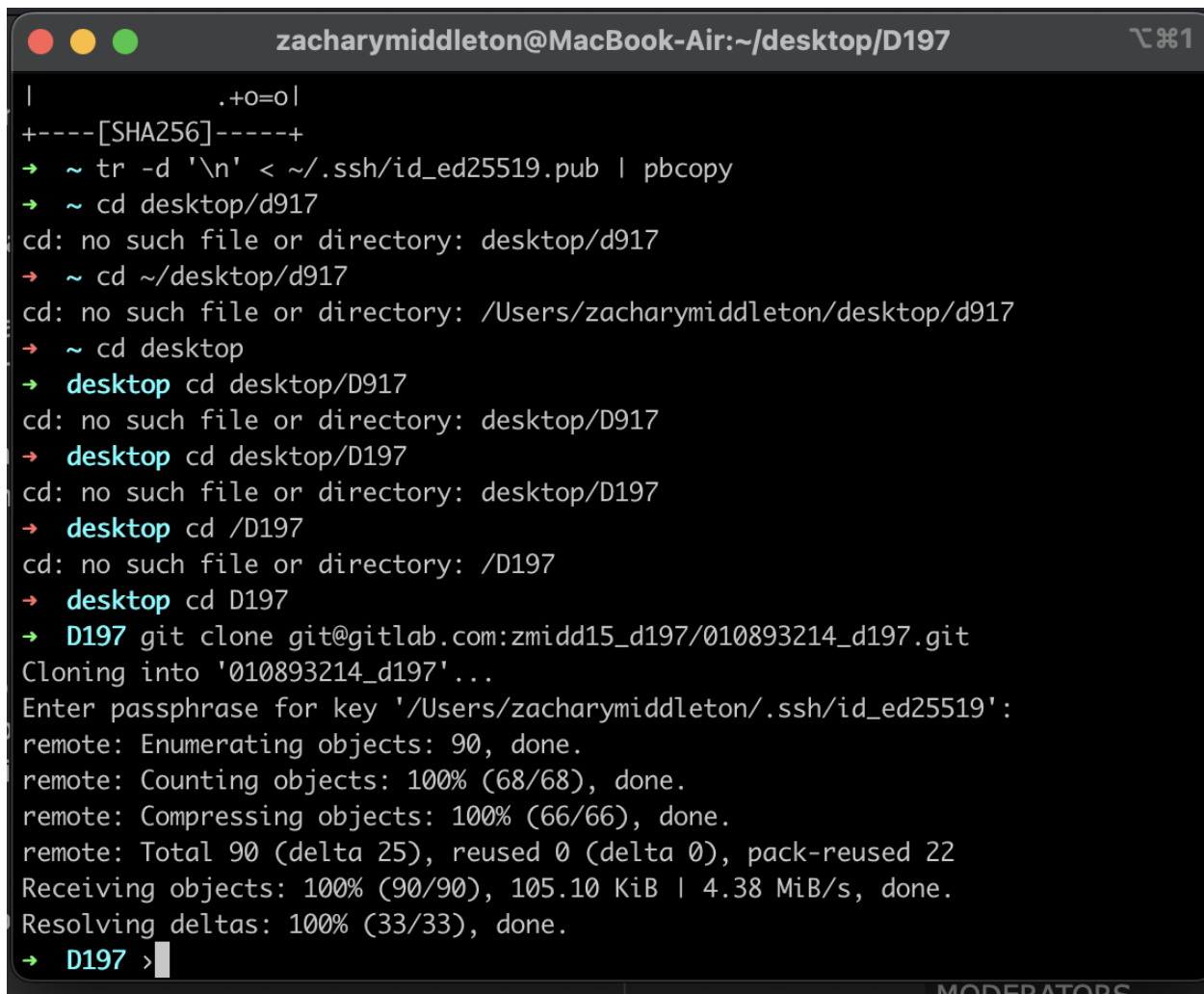
Step A Screenshot

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:

A screenshot of a macOS terminal window titled 'zacharymiddleton@MacBook-Air:~/desktop/D197'. The terminal shows a series of commands and their outputs. The user attempts to run 'cd desktop/d917' and 'cd ~/desktop/d917', both resulting in 'cd: no such file or directory'. Then, the user runs 'cd desktop', followed by 'cd desktop/D917' and 'cd desktop/D197', both resulting in 'cd: no such file or directory'. Finally, the user runs 'cd /D197', resulting in 'cd: no such file or directory: /D197'. The user then runs 'cd D197', which is successful. Next, the user runs 'git clone git@gitlab.com:zmidd15_d197/010893214_d197.git'. The terminal shows the progress of cloning the repository, including enumerating objects, counting objects, compressing objects, and receiving objects. The final output is 'D197 >'.

```
|          .+o=ol
+----[SHA256]-----+
→ ~ tr -d '\n' < ~/.ssh/id_ed25519.pub | pbcopy
→ ~ cd desktop/d917
cd: no such file or directory: desktop/d917
→ ~ cd ~/desktop/d917
cd: no such file or directory: /Users/zacharymiddleton/desktop/d917
→ ~ cd desktop
→ desktop cd desktop/D917
cd: no such file or directory: desktop/D917
→ desktop cd desktop/D197
cd: no such file or directory: desktop/D197
→ desktop cd /D197
cd: no such file or directory: /D197
→ desktop cd D197
→ D197 git clone git@gitlab.com:zmidd15_d197/010893214_d197.git
Cloning into '010893214_d197'...
Enter passphrase for key '/Users/zacharymiddleton/.ssh/id_ed25519':
remote: Enumerating objects: 90, done.
remote: Counting objects: 100% (68/68), done.
remote: Compressing objects: 100% (66/66), done.
remote: Total 90 (delta 25), reused 0 (delta 0), pack-reused 22
Receiving objects: 100% (90/90), 105.10 KiB | 4.38 MiB/s, done.
Resolving deltas: 100% (33/33), done.
→ 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:

```
→ 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) x git add about.html
→ 010893214_d197 git:(main) x 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

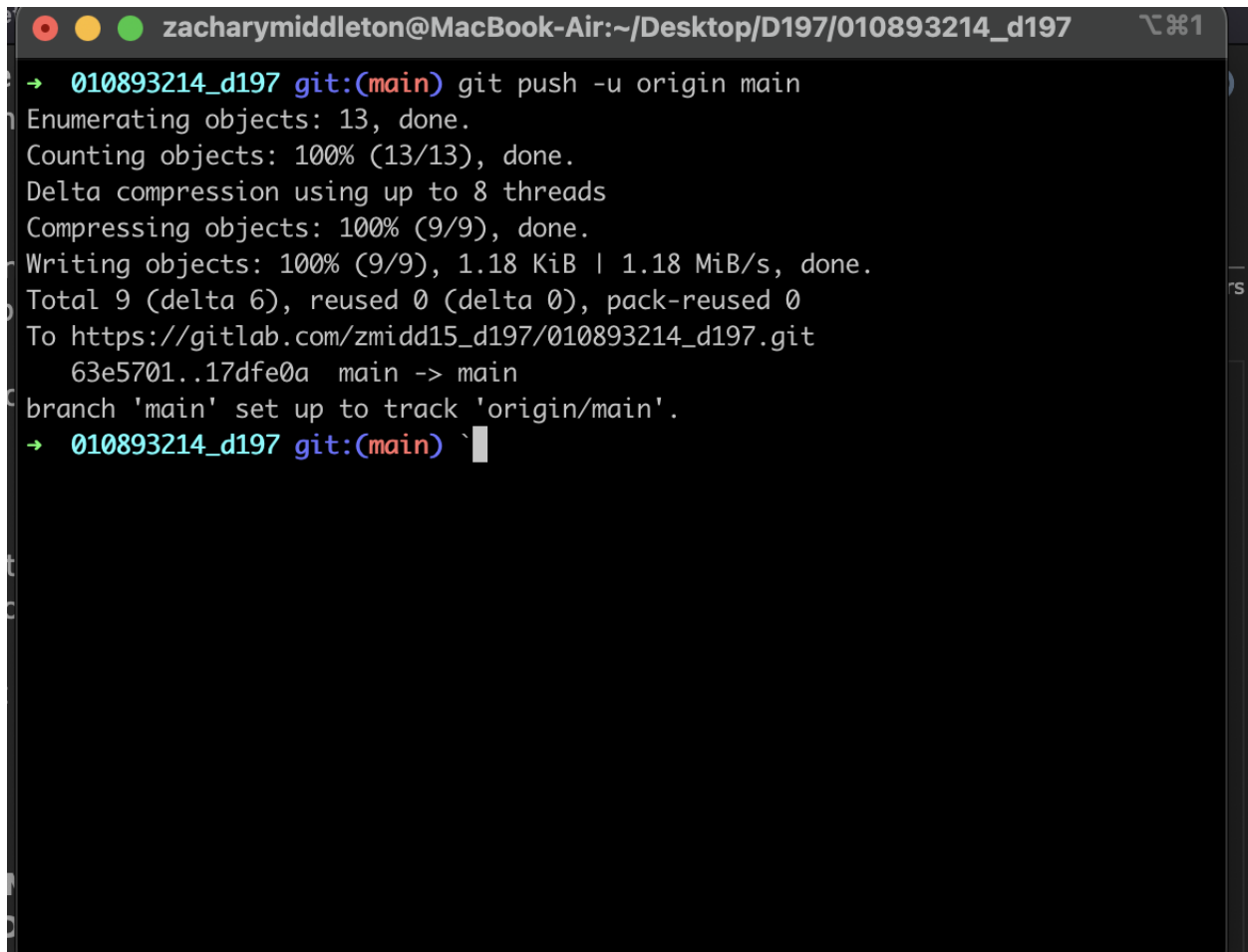
no changes added to commit (use "git add" and/or "git commit -a")
→ 010893214_d197 git:(main) x git add customer.html
fatal: pathspec 'customer.html' did not match any files
→ 010893214_d197 git:(main) x git add customers.html
→ 010893214_d197 git:(main) x git commit -m "Added text to customer section"
[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) x git add contact.html
→ 010893214_d197 git:(main) x 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:

A terminal window on a MacBook Air. The title bar shows the user 'zacharymiddleton' and the path '~/Desktop/D197/010893214_d197'. The terminal output shows the execution of 'git push -u origin main'. The output includes progress for enumerating, counting, compressing, and writing objects, followed by the remote repository URL and the branch name 'main'.

```
zacharymiddleton@MacBook-Air:~/Desktop/D197/010893214_d197
→ 010893214_d197 git:(main) git push -u origin main
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 1.18 KiB | 1.18 MiB/s, done.
Total 9 (delta 6), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/zmidd15_d197/010893214_d197.git
63e5701..17dfe0a  main -> main
branch 'main' set up to track 'origin/main'.
→ 010893214_d197 git:(main) `
```

Step D Two Screenshots

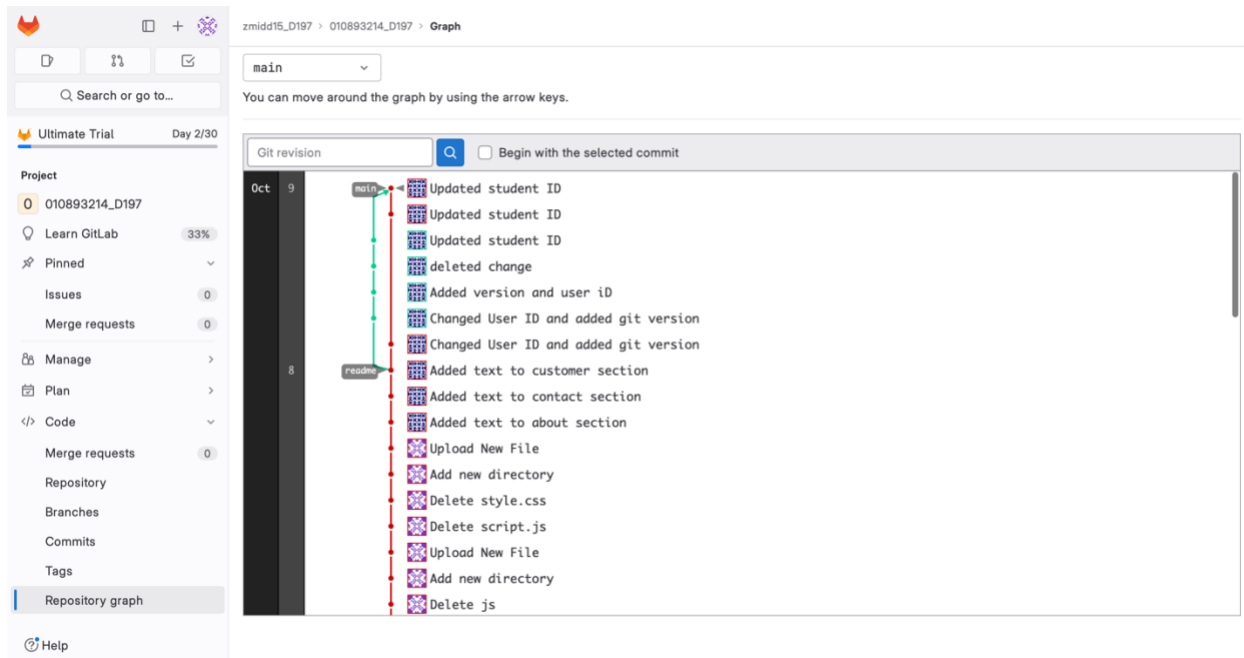
Below is a screenshot of the command line action after completing the steps in D:

```
zacharymiddleton@MacBook-Air:~/Desktop/D197/010893214_d197
bquote>
→ 010893214_d197 git:(main) git branch readme
→ 010893214_d197 git:(main) echo "Student ID: 010893214" > README.md
→ 010893214_d197 git:(main) x git commit -m "Created a readme branch and added
in student ID to the README file."
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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
→ 010893214_d197 git:(main) x git push -u origin readme
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: To create a merge request for readme, visit:
remote:   https://gitlab.com/zmidd15_d197/010893214_d197/-/merge_requests/new?me
rge_request%5Bsource_branch%5D=readme
remote:
To https://gitlab.com/zmidd15_d197/010893214_d197.git
 * [new branch]      readme -> readme
branch 'readme' set up to track 'origin/readme'.
→ 010893214_d197 git:(main) x
```

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 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)

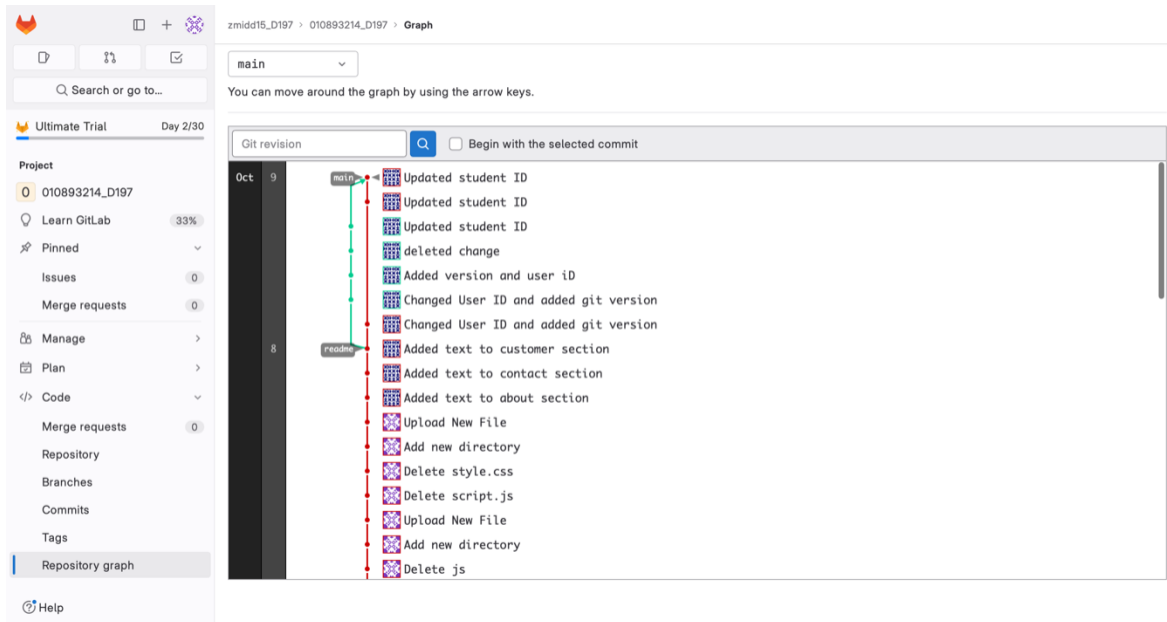
nothing to commit, working tree clean
→ 010893214_D197 git:(main) git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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) i
```

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:

```
zacharymiddl
→ 010893214_D197 git:(main) git tag -a "V.1.0.0" -m "Added tag V.1.0.0"
→ 010893214_D197 git:(main) git push origin V.1.0.0
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 173 bytes | 173.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/zmidd15_d197/010893214_d197.git
 * [new tag]          V.1.0.0 -> V.1.0.0
→ 010893214_D197 git:(main)
```



```
zacharymiddleton@MacBook-Air:~/desktop/D197/010893214_d1...
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)
  ./

nothing added to commit but untracked files present (use "git add" to track)
→ retrospective git:(main) ✗ git add .
→ retrospective git:(main) ✗ git commit -m "Added log and summary"
[main 5fe7d4b] Added log and summary
3 files changed, 254 insertions(+)
create mode 100644 retrospective/.DS_Store
create mode 100644 retrospective/log.txt
create mode 100644 retrospective/summary.txt
→ retrospective git:(main) git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 2.30 KiB | 2.30 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/zmidd15_d197/010893214_d197.git
ba7a219..5fe7d4b main -> main
→ retrospective git:(main)
```

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

