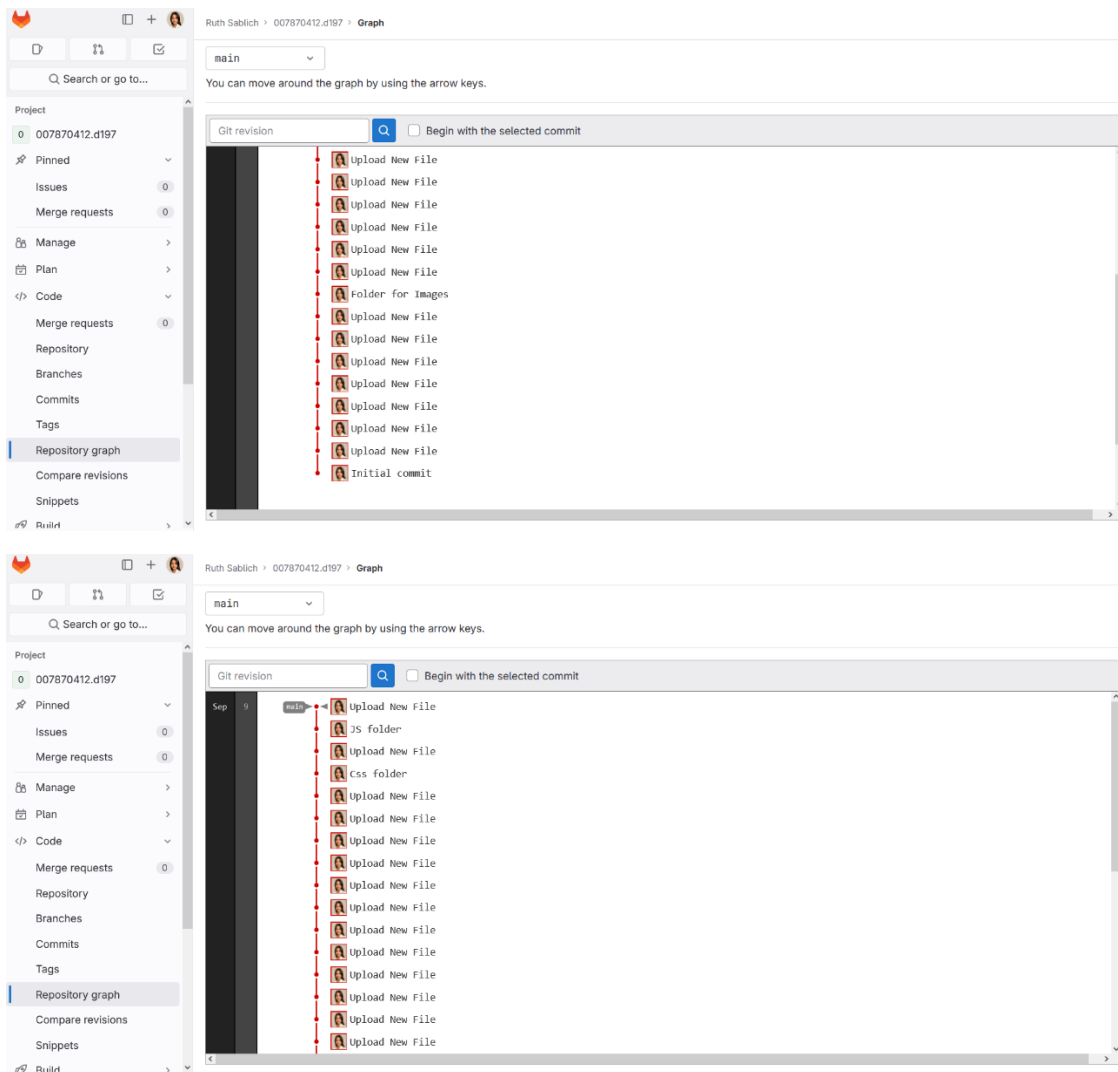# D197 - Version Control Template

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Sept. 9th, 2023

Step A Screenshot

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

Two screenshots were necessary to capture the entire Repository Graph.

Step B Screenshot

Below is a screenshot of the command line action 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:

1.

Making changes to About.html

2.

Making changes to Contact.html

3.

```
runsa@Reaper MINGW64 ~/D197/007870412.d197 (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")

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git add customers.html

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git commit -m "Fixed spelling and capitalization errors"
[main 5627374] Fixed spelling and capitalization errors
 1 file changed, 8 insertions(+), 4 deletions(-)
```

Making changes to Customers.html

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

```
runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git push -u origin main
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 16 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 1.19 KiB | 1.19 MiB/s, done.
Total 9 (delta 6), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/rsablich/007870412.d197.git
   e795e52..5627374  main -> main
branch 'main' set up to track 'origin/main'.
```

Screenshot of command line action after completing step C.2. and pushing branch to Gitlab.

Step D Two Screenshot

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

```
runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git branch readme

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ echo "Student ID: 007870412" > README.md

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git commit -m "Created a readme branch and added in my student ID to the README.md 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")

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git commit -m "Created a readme branch and added in my student ID to the README.md file"
[main eb8d361] Created a readme branch and added in my student ID to the README.md file
 1 file changed, 1 insertion(+), 92 deletions(-)

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 325 bytes | 325.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/rsablich/007870412.d197.git
   5627374..eb8d361  main -> main

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.
```

Two screenshots required as initial creation of readme branch did not seem to stick. A push to origin fixed the problem.
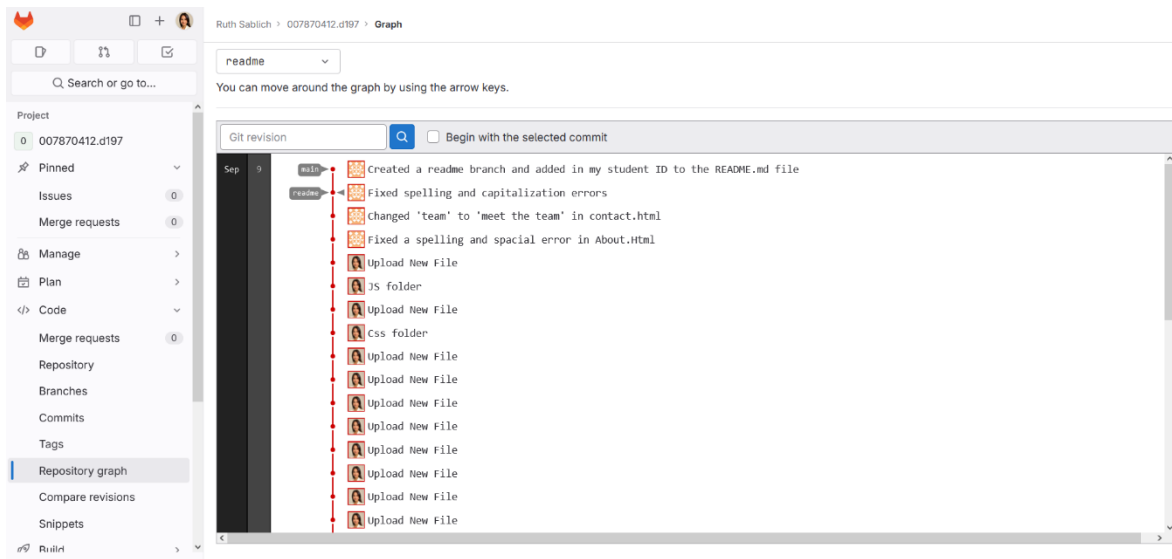
```
runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git checkout -b readme
fatal: a branch named 'readme' already exists

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ 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/rsablich/007870412.d197/-/merge_requests/new?merge_request%5Bsource_branch%5D
=readme
remote:
To https://gitlab.com/rsablich/007870412.d197.git
 * [new branch]      readme -> readme
branch 'readme' set up to track 'origin/readme'.
```

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:

```
runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git checkout readme
Switched to branch 'readme'
Your branch is up to date with 'origin/readme'.

runsa@Reaper MINGW64 ~/D197/007870412.d197 (readme)
$ git add .

runsa@Reaper MINGW64 ~/D197/007870412.d197 (readme)
$ git commit "Added git bash version to README.md file"
error: pathspec 'Added git bash version to README.md file' did not match any file(s) known to git

runsa@Reaper MINGW64 ~/D197/007870412.d197 (readme)
$ git add .

runsa@Reaper MINGW64 ~/D197/007870412.d197 (readme)
$ git commit -m "Added text to README.md file"
[readme 3acc815] Added text to README.md file
 1 file changed, 1 insertion(+), 1 deletion(-)

runsa@Reaper MINGW64 ~/D197/007870412.d197 (readme)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

runsa@Reaper MINGW64 ~/D197/007870412.d197 (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.

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main|MERGING)
$ ls
CSS/     JS/        about.html    customers.html  services.html  vision.html
Images/  README.md  contact.html  index.html      team.html

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main|MERGING)
$ vi README.md

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main|MERGING)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main|MERGING)
$ 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.

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main|MERGING)
$ git checkout readme
error: you need to resolve your current index first
README.md: needs merge

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main|MERGING)
$ git add .

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main|MERGING)
$ git commit -m "Fixed student ID in README.md to fix merge conflict"
[main b70b446] Fixed student ID in README.md to fix merge conflict

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

runsa@Reaper MINGW64 ~/D197/007870412.d197 (main)
$ git push
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 16 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 674 bytes | 674.00 KiB/s, done.
Total 6 (delta 4), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/rsablich/007870412.d197.git
   4fa972b..b70b446  main -> main
```
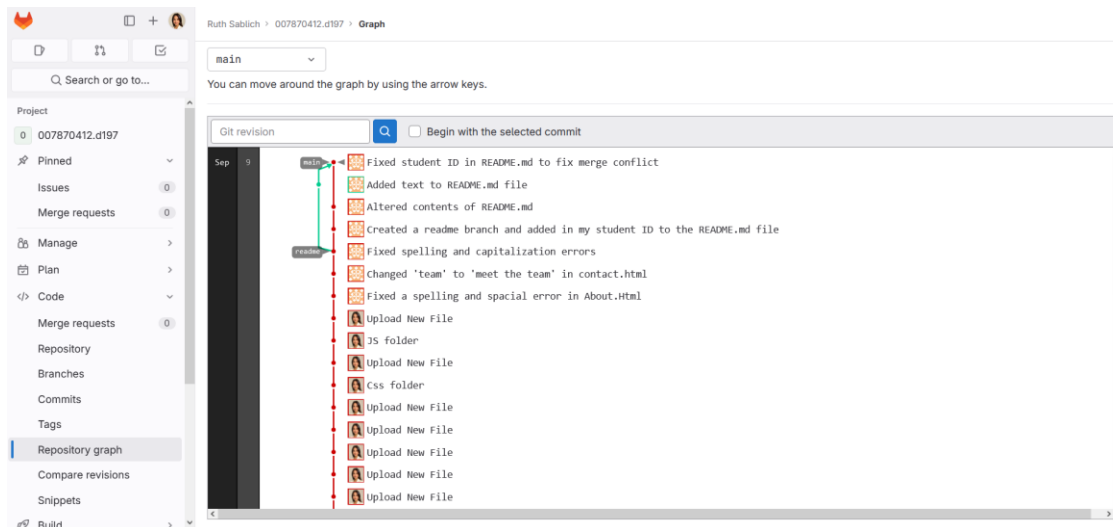
Below is a screenshot of the current repository graph in Gitlab after completing the steps in E:

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: