D197 - Version Control Template
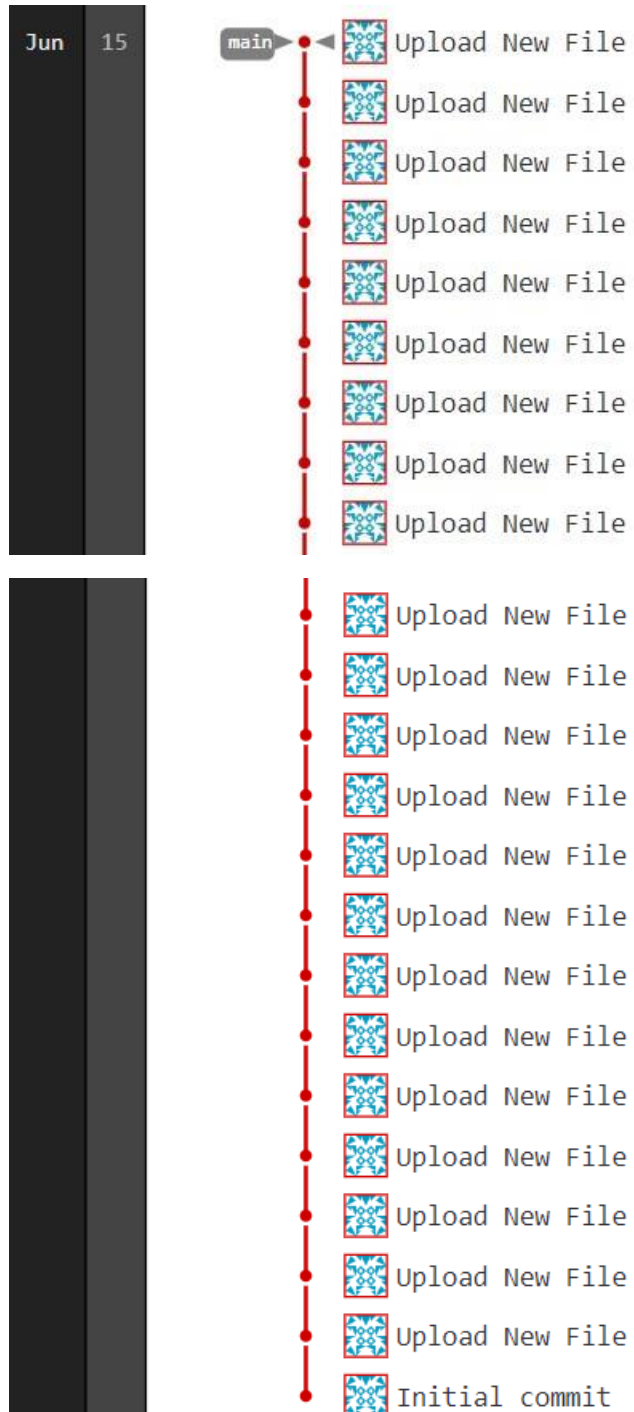
Step A Screenshot

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

Jun	15		
		main	Upload New File
			Upload New File
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			Upload New File
			Upload New File
			Initial commit

First repository graph from starting the project and adding all files.

Step B Screenshot

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

```
anonz@TysLaptop MINGW64 ~/documents/008342247D197 (master)
$ git clone https://gitlab.com/Tlaarma/008342247d197.git
Cloning into '008342247d197'...
remote: Enumerating objects: 66, done.
remote: Counting objects: 100% (36/36), done.
remote: Compressing objects: 100% (36/36), done.
remote: Total 66 (delta 11), reused 0 (delta 0), pack-reused 30
Receiving objects: 100% (66/66), 101.89 KiB | 20.38 MiB/s, done.
Resolving deltas: 100% (25/25), done.
```

Cloning my repository onto my local files.

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:

```
anonz@TysLaptop MINGW64 ~/documents/008342247D197 (master)
$ git add .

anonz@TysLaptop MINGW64 ~/documents/008342247D197 (master)
$ git commit -m "Fixed spelling errors in the file named team"
[master 97cc3af] Fixed spelling errors in the file named team
 1 file changed, 1 insertion(+), 1 deletion(-)
```

I fixed the errors in the team file.

```
anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (main)
$ git add .

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (main)
$ git commit -m "Fixed extra closing tag in services file"
[main f8386c4] Fixed extra closing tag in services file
 2 files changed, 5 insertions(+), 5 deletions(-)
```

I fixed the closing tag in the services file.

```
anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (main)
$ git add .

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (main)
$ git commit -m "Fixed spelling error in about us file"
[main 14f7fa9] Fixed spelling error in about us file
 1 file changed, 1 insertion(+), 1 deletion(-)
```

I fixed the spelling error in the about us file.

I pushed my changes to the repository.

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

```
anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (main)
$ git push origin main
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 16 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 682 bytes | 682.00 KiB/s, done.
Total 7 (delta 5), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/Tlaarma/008342247d197.git
   9a04053..14f7fa9  main -> main
```

I pushed my changes to GitLab.

Step D Two Screenshots

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

```
anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (main)
$ git checkout -b readme
Switched to a new branch 'readme'

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (readme)
$ touch README.md

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (readme)
$ nano README.md

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (readme)
$ nano README.md

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (readme)
$ git add .

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (readme)
$ git commit -m "New branch called readme with student ID"
[readme ad02b49] New branch called readme with student ID
 1 file changed, 2 insertions(+), 1 deletion(-)

anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (readme)
$ git push origin main
Everything up-to-date
```

Here I created a new branch called readme, then created a file named README.md and edited the file. I then added and committed the file.

```
anonz@TysLaptop MINGW64 ~/documents/008342247D197/008342247d197 (readme)
$ git push --set-upstream origin readme
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 338 bytes | 338.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote:
remote: To create a merge request for readme, visit:
remote:   https://gitlab.com/Tlaarma/008342247d197/-/merge_requests/new?merge_request%5Bsource_branch%5D=readme
remote:
To https://gitlab.com/Tlaarma/008342247d197.git
 * [new branch]      readme -> readme
branch 'readme' set up to track 'origin/readme'.
```

Here I pushed the file to GitLab.

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

```
Jun  19        readme   New branch called readme with student ID
```

This is the repository graph in GitLab showing I created a new branch.

Step E Two Screenshots

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

```
anonz@TysLaptop MINGW64 ~/documents/008342247d197/008342247d197 (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.
```

This is the merge conflict when I tried to merge readme branch to the main branch.

```
anonz@TysLaptop MINGW64 ~/documents/008342247d197/008342247d197 (main|MERGING)
$ git commit
[main 1532ee8] Merge branch 'readme'

anonz@TysLaptop MINGW64 ~/documents/008342247d197/008342247d197 (main)
$ git merge readme
Already up to date.
```

This is after I edited the file with nano in readme to correct the changes and merging it correctly.

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

```
Jun  19        main    Merge branch 'readme'
                       added version to readme file
             readme    New branch called readme with student ID
```

This is the repository graph after I fixed the merging conflict and was able to push it to the repository.

Step F Two Screenshots

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

```
anonz@TysLaptop MINGW64 ~/documents/008342247d197/008342247d197 (main)
$ git tag V.1.0.0

anonz@TysLaptop MINGW64 ~/documents/008342247d197/008342247d197 (main)
$ git push origin V.1.0.0
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/Tlaarma/008342247d197.git
 * [new tag]         V.1.0.0 -> V.1.0.0
```

This is me tagging the main branch and then pushing it to GitLab successfully.

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

Jun 19   V.1.0.0 main Merge branch 'readme'

This is the repository graph showing the tag that has been added.