PURPOSE

The purpose of this study guide is to provide extra explanation and content resources to help students taking D197 Version Control at Western Governors University (WGU). The document is NOT intended to provide exact answers or codes to students, but supplementary resources, tips, and course navigation for the required task.

GETTING STARTED

Make sure the required software is downloaded to your computer. I recommend downloading Version Control first then Git following video links in Lesson 4.2 "Install and Configure Git".

If you are new to Git and GitLab, the following two videos are good to watch to get familiar with Git.
- *"Git Tutorial for Dummies"* https://youtu.be/mJ-qvsxPHpY?si=b9npYPN_cbWG1QLY
- *"Learn Git in 15 Minutes"* https://youtu.be/USjZcfj8yxE?si=Lo2yQqxM3YVNCIH_

INTRODUCTION

Before starting your work, review the "GitLab How-To" web link. Then, use the "GitLab" link to obtain the template. You will clone your GitLab repository to your computer to create a local repository. You will be modifying your local repository using Git Bash (Windows users) or using the Mac terminal (macOS users).

Tips: The "GitLab" link will take you to your personalized GitLab account. You will need your WGU login to access it. The "GitLab How-To" link will provide steps to get your GitLab ready for use. Make use to follow ALL 12 steps. Links can be found at the bottom of the task page, under the Rubric.
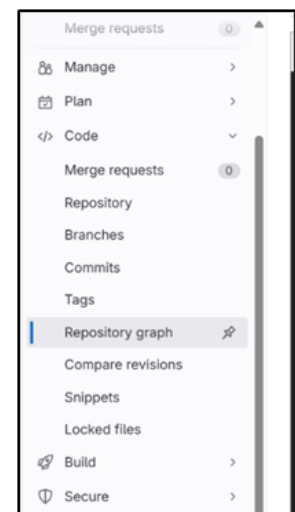
MAIN TASK TIPS AND RESOURCES

Part A
- Should already be completed after following steps in "GitLab How-To" web link
- Repository graph can be found in the panel on the left side of GitLab. Click the link and take a screenshot of the graph in the center panel. (*Graph will be list of changes or commits made to repository*)
- Total Screenshots: 1

Part B
- Video: "*Clone the remote repository"* (Link in Lesson 5.2)
- Make sure your full code and name of the branch you are working in are visible in the screenshot.
- Total Screenshots: 1

Part C
- **Make sure you are working in the correct/specified branch of your repository**
- Video: "*Git Status*" (Link in Lesson 6.2)
- Check the status of your git to ensure you are modifying the Working branch.
- You will NOT be able to push your changes to GitLab if you are working in the main branch.

```
On branch Working
Your branch is up to date with 'origin/Working'.
```

- Switch branches if not on correct branch
- Video: "*How to List, Switch and Checkout Git Branches*"
https://youtu.be/iO4QjPUkGJk?si=Mi8IObRDWuzlzpTX
- Video: "*Commit a File*" (Link in Lesson 5.2)
- Video: "*Push the file to the remote repository*" (Link in Lesson 5.2)
- Total Screenshots: 4

Part D
- Video: "*GIT: Working with Branches*" https://youtu.be/JTE2Fn_sCZs?si=F4tvog9a4HjpLqWf
- Total Screenshots: 2

Part E
- Video: "*How to resolve merge conflicts Git*" https://youtu.be/xNVM5UxlFSA?si=PSzRhamJBdVBE48S
- Total Screenshots: 2

Part F-   Video: "What is a Git Tag..." https://youtu.be/34CQxHXzD4w?si=6F7gOali43qaQZ94
- Video: "Create a GitLab Tag Example" https://youtu.be/HgiI-8VrxQE?si=8IBxSNFcaXfod_e2
- Total Screenshots: 2

Part G
- Video: "*03a add directory + file to gitlab*" https://youtu.be/2eDareuw1W4?si=ycKvF5G_4CSuIyfo
- Video: "*#6 How to Create New Folder in GitHub Repository*"
https://youtu.be/g-EfC7SPDAM?si=l9_HnZdsZwEzT01s
- Video: "*#5 How to Create New File on #GitHub*"
https://youtu.be/OH7jSM203Go?si=Jdha3DmOCk1dhuFy
- Make sure all of your screenshots are in one file. I copied and pasted the task and inserted the screenshots within each part.
- The screenshots file, log.txt, and summary.txt files should all be inside the retrospective directory
- Total Screenshots: 0

Part H
- Include the repository link to your GitLab in the "Comments to Evaluator" section when you submit this assessment.

I. Demonstrate professional communication in the content and presentation of your submission.