

COMP 9783 Front-end Development

Lab-5-2 - GitHub Lab. (4% of the course mark)

Name:

Student Number:

This lab is designed to introduce you to the fundamental concepts and workflows of GitHub, a popular platform for version control and collaboration. By the end of this lab, you will be familiar with the basic operations of GitHub, including creating repositories, making commits, branching, and collaborating with others.

Lab objectives:

1. Become proficient in basic GitHub operations such as creating repositories, making commits, creating branches, and merging changes.
2. Understand the importance of version control in software development and how GitHub facilitates collaboration and history tracking.
3. Develop skills in collaborating with others on software projects using GitHub's features like pull requests, issues, and branches.
4. Learn how to organize code using repositories and branches effectively, ensuring a structured and manageable codebase.
5. Get familiar with common Git commands used in conjunction with GitHub, such as git clone, git add, git commit, git push, git pull, and git merge.
6. Learn and adhere to best practices for using GitHub, including clear commit messages, meaningful branch names, and effective pull request reviews.
7. Improve their project management skills by utilizing GitHub's issue tracking and project boards for task management and progress tracking.

Ensure that you have finished Lab-5-1 before proceeding with this.

Creating Repos:

1. Navigate to: <https://github.com> and click on the **Sign in** button.
2. Enter your **username / email address** and **password** to sign in.
3. Click on the **+** button and choose, **New Repository**.
4. Enter the repository name: **COMP9783-55868-Private**
5. Enter the Description: **COMP9783-55868-Private Repo Lab**.
6. Choose **Private** as repo type and click **Create repository**.
7. Open **GitHub Desktop** and click on **File >> Clone repository...**
8. Choose **COMP9783-55868-Private** and click on **Clone**.

Pay attention to the local path, this is where you would find the repo locally.

9. Go to the local path and create a file named: **readme.md**.
10. Edit **readme.md** and add the following text below (**replace First name and Last name with your own First name and Last name**) and save the changes:

List of app collaborators

Developer Name	Feature	Status
-----	-----	-----
First name Last name	Login	Pending


11. Open GitHub Desktop, ensure that the changes are visible, add a **commit title** and **description** and click on **Commit to main**.
12. Click on **Publish branch**.
13. Navigate to GitHub.com and go to the **COMP9783-55868-Private** repo.
 - It should display the **formatted version** of **readme.md**.
14. Go back to GitHub Desktop and click on **Branch >> New Branch**.
15. Enter **feature-branch-1** and click on **Create branch**.


16. Make changes to **readme.md** and update **Pending** to **Done**. Save changes and go back to GitHub Desktop.
17. Open GitHub Desktop, ensure that the changes are visible, add a **commit title** and **description** and click on **Commit to feature-branch-1**.
18. Click on **Publish branch**.
19. Click on **Preview Pull Request**. Ensure that the changes are visible.
20. Click on **Create pull request**. This should take you to the GitHub repo and click on **Create pull request** to proceed.
21. Click on **Merge pull request**, then **Confirm merge**.




Submission:


1. Since the repo is **private**, take a screenshot of the repo showing that the status has been updated to **Done**.


← → ↻ github.com/roderickkit-bernardo/COMP9783-55868-Private


 Streams

 **COMP9783-55868-Private** Private

 **main**  2 Branches  0 Tags Go to

 **roderickkit-bernardo** Merge pull request [#2](#) from roderickkit-bernardo/fea

 **readme.md** Update readme.md

 **README**

List of app collaborators

Developer Name	Feature	Status
Roderick Bernardo	Login	Done

2. Submit the screenshot via **GBC - D2L**.