

## **COMP 9783 Front-end Development**

### **Lab-5-3 - 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 and Lab-5-2 before proceeding with this.***

### **Collaborator Setup:**

1. Send your **GitHub username** to your **instructor**. Your instructor will **Add you** as **Collaborator**.
2. You should receive an email with an invitation to collaborate. Ensure to accept the invitation.

### **Cloning Repos:**

1. Open **GitHub Desktop** and click on **File >> Clone repository...**
2. Click on the **Url** tab and enter the repo url:  
**<https://github.com/roderickit-bernardo/COMP9783-55868-Code-Collab>** and click on **Clone**.

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

3. Go to the **local path** and open **readme.md** and take note of the **branch name** that is **assigned to you**. Use this **branch name** on step 5.
4. Create a new branch: click on **Branch >> New Branch**.
5. Enter **"Assigned branch name from step 3"** and click on **Create branch**.
6. On **Visual Studio Code**, click on **Open Folder...** and choose the **local path** of this repository (**This is the path from step 2**).
7. Edit **index.html**: Look for: **<!-- Lastname, Firstname place your code below -->** Where **Lastname, Firstname** is **your Lastname, Firstname** and **copy** the code below.

```
<div class="column">
  <div class="card">
    <div class="card-content">
      <div class="media">
        <div class="media-left">
          <figure class="image is-48x48">
```

```

        
    </figure>
</div>
<div class="media-content no-scrollbars">
    <p class="title is-4">Firstname Lastname</p>
    <p class="subtitle is-6">
        GitHub:
        <a
            href="https://github.com/git-hub-user-name"
            target="_blank"
        >git-hub-user-name</a>
    >
    </p>
</div>
</div>
<div class="content">
    Enter your favourite quote. - Author of the quote
</div>
</div>
</div>
</div>

```

8. Look for the html below and set the highlighted text to your firstname and lastname.

```
<p class="title is-4">Firstname Lastname</p>
```

9. Look for html below and set the highlighted text to your GitHub username.

```
<a  
href="https://github.com/git-hub-user-name"  
target="_blank"  
>git-hub-user-name</a  
>
```

10. Look for html below and set the highlighted text to your favorite quote and author of the quote.

```
<div class="content">  
Enter your favourite quote. - Author of the quote  
</div>
```

11. Edit **readme.md** look for your name and change the Status from: **Pending** to: **Done**.

12. Open **GitHub Desktop**, ensure that the changes are visible, add a **commit title** and **description** and click on **Commit to "name of branch"**.

13. Click on **Publish branch**.

14. Click on **Preview Pull Request**. It should **compare** the **differences** between the **main** and **your branch**.

15. Click on **Create pull request**.

16. Enter the **pull request title** and **description**.

17. Click on **Create pull request**.

18. You should see something similar below, this is because your instructor will review the pull request before it can be merged.



#### Review required

At least 1 approving review is required by reviewers with write access. [Learn more about pull request reviews.](#)



#### Merging is blocked

Merging can be performed automatically with 1 approving review.

19. After your instructor has approved your pull request and merged it to the main branch, navigate to: <https://roderickkit-bernardo.github.io/COMP9783-55868-Code-Collab>