GitHub Lab

**Step 1: Create a GitHub account**

1. Go to <https://github.com>
2. Pick a username, email, and password. Make sure to use an email you have access too.
3. Once I get the ok, I shall improve this section of the lab by making the TSTC GitHub account and explaining step by step how to setup an account.

**Step 2: Create a Repository**

1. Locate your avatar in the upper right hand corner and click the +. It will bring down a menu and locate create **New repository**.
2. Name your repository with last name followed by first initial.
3. Write a description for your repository.
4. Make sure that the **Initialize this repository with a README** is checked and click create repository.

**Step 3: Commit to the README File**

1. Click on the **README.md** file and locate the pencil icon in the right corner of the file and click on the pencil to edit the file.
2. In the editor write a fact about GitHub.
3. Scroll down and locate the **Commit changes box**. Title it, describe it, and make sure create a new branch from this commit is selected and **Propose file change**.

**Step 4: Creating Pull Request, Merging Pull Request, and Deleting the Extra Branch**

1. Locate the Create pull request button and click it.
2. At the top locate the button titled **Files changed**. This is where you will find your **Diffs.** Double check to make sure you approve of those changes and locate the **Conversation** tab to go back.
3. Locate and click the **Merge pull request** button. Then click **Confirm merge.**
4. What that did was merge both branched together. Now both branches should have the same exact repositories. There is no point in having duplicates so locate the **Delete branch** button they show you after stating the pull request was successful and click it.

**Step 5: Making an Extra Branch**

1. Go back to the main repository page and locate the **Branch: master** drop down arrow and click it.
2. Type a new branch name you want it to be called and click **Create branch.** It will automatically put you into the new branch.

**Step 6: Commit to the README File**

1. Click on the **README.md** file and locate the pencil icon in the right corner of the file and click on the pencil to edit the file.
2. In the editor delete the fact you had and add a new fact about GitHub.
3. Locate the **Commit changes** box again. Title the change, give it a description and this time make sure you click the **Commit directly to the current branch** option.

**Step 7: Opening a Pull Request**

1. At the top page you should see a **Pull requests** tab and click on it. Then in the pull requests page locate the **New pull request** option and click on it.
2. In the **Example Comparisons** box select the branch you made in step 5.
3. Look over the **diffs** you should see a red line on the left showing a delete and a green line on the right showing an addition.
4. Locate the **Create pull request** button near the top and click it.
5. Title the pull request and give it a description.
6. Locate the **Create pull request** button and click it.

**Step 8: Merge your Pull Request**

1. Click on the green **Merge pull request** to merge the changes.
2. Click **Confirm merge.**
3. Locate the **Delete branch** option and click it like we did in step 4.

**Step 9: Fork the TSTC Repository Intro-To-Automations**

1. The steps to doing this along with visual pictures to help guide students will be added later if I am given the ok by the 2 Cloud instructors. The reasoning is because I would need to make the TSTC account and while I made it I would also take screenshots and basically go through this lab on that account. Obviously since there is no TSTC GitHub yet you can’t fork a repository that is not there!