



Punjab Tianjin University of Technology (PTUT)

Department of Software Engineering

Lab 2

Creating & Managing Branches & PULL requests

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Objective: To introduce the following concepts in GitHub:

1. Creating branching
2. Managing files in different branches
3. Changing file contents in their branches and committing to master branches
4. Deleting the sub branches after committing the final changes to master

Instructions:

1. You will attach the screen shot of each step where ever it is required.
2. You can use the “Snipping Tool” software to capture the screen shot. This is built-in in windows. You do not need to install this software.
3. To make the lab easy, you will **delete** your repo and create a new one.
4. Change your **GitHub theme** from black to white.

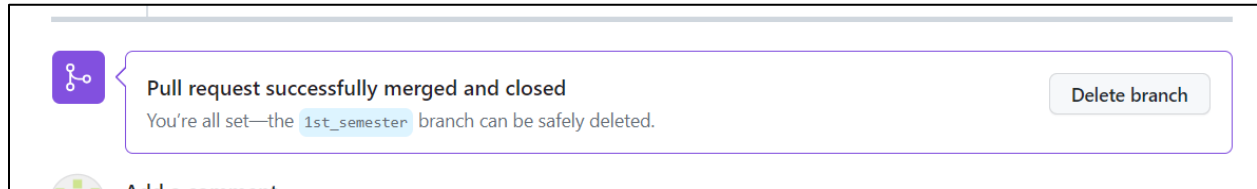
Guidelines:

1. Create a repo. Put any name you like.
2. Create a file named “first_file”. Output your name and roll number using cout.
3. Commit the changes to the master branch. (At this step, you have only the master branch)
4. Attach you network graph.
5. Create a new branch called “fsc_subjects”
6. Add your fsc subjects and commit to the fsc_subjects branch
7. Create a new branch called “1st_semester”
8. Go to “first_file” in your 1st_semester
9. Add your 1st semester subjects. Commit the changes to 1st_semester (**NOT the master branch**)
10. Attach the network graph.
11. Create a new branch named “2nd_semester”. Add your 2nd semester subjects in numbered bullet points.
12. Commit these changes to “2nd_semester” ONLY.
13. Attach the network graph.
14. Now, create and merge the 2nd_semester branch into the 1st semester branch. Attach the network graph.
15. After you merge the 2nd_semester branch, you should get a display like following:



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Attach your screenshot

16. Merge the 1st_semester into fsc_subjects. Attach the network graph after merging.
17. Finally, merge fsc_subjects to master branch.
18. Attach your network graph.
19. In your master branch, add a new line at the top that summarizes your whole file of first_file.