Assumptions

1. You have been using your branch to update some code
2. Someone else in the group has made some updates to the master in github since your last pull from github
3. Starting from your local master in git

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| Step 1 **git pull** the master from github to the master on your computer |  |
| YOU WILL LIKELY GET A MERGE CONFLICT – SEE THE MESSAGE IN TERMINAL ABOVE | |
| Step 2 Resolve conflict/s  Go to Visual Studio Code and **search for <<<<<** to find the conflicts. Remember, there may be more than 1 conflict. |  |
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| Step 2a if you are unsure whether the top or the bottom is new click on compare changes to get what is shown to the right. You may need to clarify with the author of the changes on slack that the changes should be as you expect |  |
| Step 3 Conflict has been resolved |  |
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| Step 4 Back on git, run **git status** to look at the modified file/s. |  |
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| Step 5 **git add** and then **git commit -m ‘message here’** |  |
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| Step 6 **git checkout <<your branch>>** |  |
| **SUPER IMPORTANT---WE MERGE TO OUR BRANCH FROM THE MASTER. WE MUST BE IN THE BRANCH TO DO THIS---SUPER IMPORTANT** | |
| Step 7 **git merge master** to bring your branch up to date with the latest version of the remote repository |  |
| YOU WILL LIKELY GET A MERGE CONFLICT AND WILL HAVE TO MERGE CONFLICTS SAME AS PER STEPS 2 AND 2a | |
| Step 8 **git push** your changes merged with the previous latest master from the remote repository to your branch on the remote repository |  |
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| Step 9 go to **github** ensure you are on **<<your branch>>** and look for the **Pull request** tab |  |
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| Step 10 create a **pull request** |  |
| Step 11 **assign** the pull request to someone in the team to check |  |
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| Step 12 if we’ve done our merging correctly we get the following message, also observe the assignee. Click on **Merge pull request** |  |
| Step 13 Click on **Confirm merge** |  |
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| Step 14 The master on the remote repository has now been updated with changes from your branch |  |