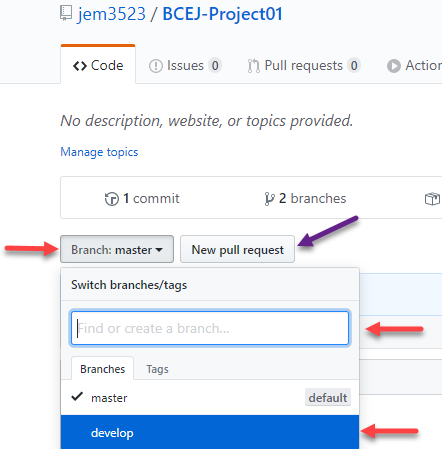
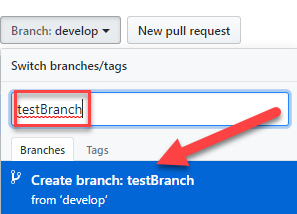
# Creating a brach in github

* Go to <https://github.com/jem3523/BCEJ-Project01>
* Click the “Branch: master” tab.
* Select “develop”.
* Enter the name of your new branch. (For example, “**testBranch**”)
* Finally, click the clue button that confirms the name of your new branch and its parent.

**NOTE:** “New pull request” (purple arrow below) is used for merging later. It is not the same as the “pull” we do in class to refresh a repository on a local machine.

* When you then go to GitBash, enter the following:

git clone [git@github.com:jem3523/BCEJ-Project01.git](mailto:git@github.com:jem3523/BCEJ-Project01.git) -b **testBranch**



# Pushing a brach back into github

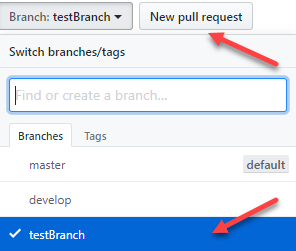
* Open gitbash
* Navigate to the branch directory (parent folder of the branch)
* Enter: *git add .*
* Enter: *git commit –a –m “* [insert a message here] *”*
* Enter both the parent branch and the branch you are uploading:

*git push –u origin* [testBranch]

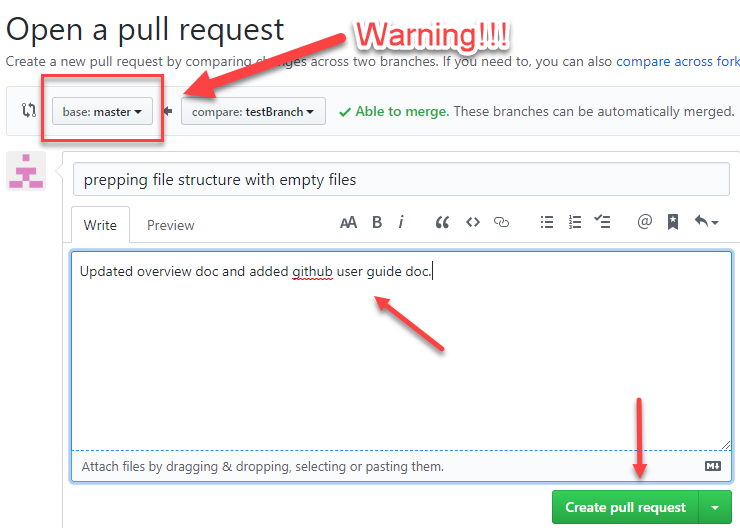
**NOTE:** -u means “upstream” and origin is the shortcut variable to the path in github that you used when you created the clone.

# Merging a brach in github

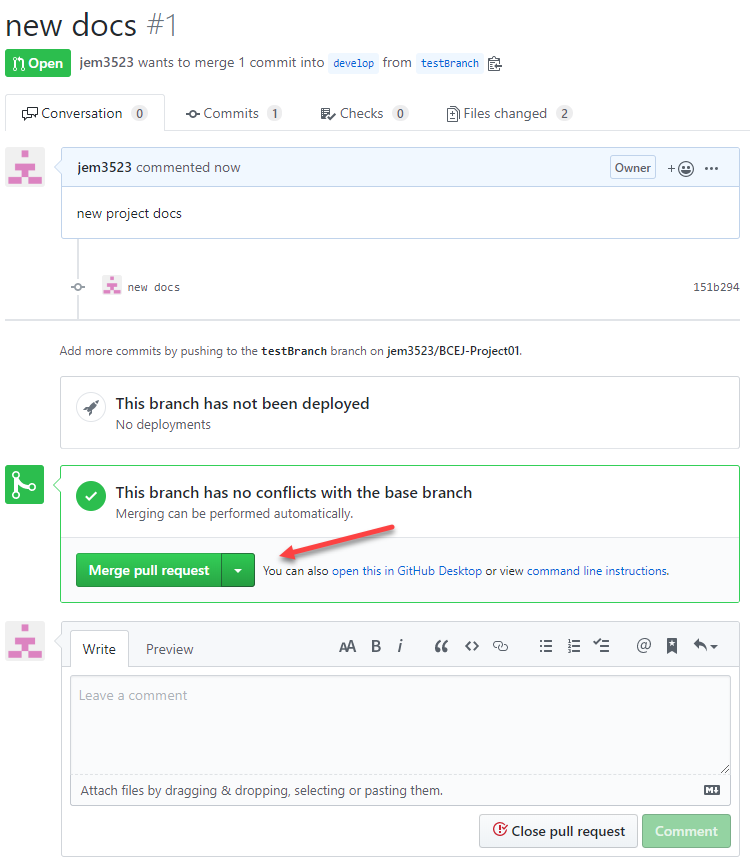
* Go to <https://github.com/jem3523/BCEJ-Project01>
* Click the “Branch: master” tab.
* In the dropdown on the tab, select the branch you want to merge back into “develop”. (In this example, “**testBranch**”)
* Click “New pull request”.



* **IMPORTANT!** Make absolutely sure that the base is the direct parent of the branch from which you took it. (In this example, “develop”)
* Add a description of the changes.
* Click “Create pull request”



* Compare the files to approve changes.
* Click “Merge pull request”.
* Finally, click “Comment”.



* If you now go back to the list of branches, you’ll see those in merged status.

**NOTE:** Once you select the branch you want to merge, that branch is no longer of use and should be deleted from your local machine. However, you may want to leave the merged branches in place in github until the end of the project (in case there is any kind of version-control error and you need to go back for it).

