

Lab: (Sourcetree) Pull Requests I

Estimated time: 10 minutes

Note: This lab assumes that you are using Sourcetree. If you would prefer to use a command line interface, there are separate instructions.

In this lab, you will:

1. Prepare for a single repository pull request.
2. Create a pull request.
3. Merge a pull request

1: Prepare for a single repository pull request.

1. Log into Bitbucket and create a remote repository named `project1`. You can have Bitbucket create the first commit here if you would like.
2. If you didn't create commit above, create and commit a `README.md` file containing the text `# PROJECT1` with a commit message of "initial commit".
3. **Clone** your repository into Sourcetree.
4. Using Sourcetree, create a branch named `feature1` off of the `master` branch. This will be the branch that is part of the single repository pull request.
5. Create a commit on the `feature1` branch containing a file named `fileA.txt` with the line "feature 1" as the content of the file.
6. Click `Push`. In the `Track` column, check the boxes next to each branch so that you will see a visual indicator when the local and remote branches are not synchronized. Select the `Push` checkbox associated with the `feature1` branch, because we just created a local commit on that branch. Click `OK` to push the `feature` branch to the remote `project1` repository. Your local and remote branches should now be synchronized (for example, the `feature1` and `origin/feature1` labels should be pointing to the same commit).

Congratulations, you have prepared for a single repository pull request.

2: Create a pull request.

1. In Bitbucket, navigate to the `project1` repository. Click on `Pull requests`. Click on `Create pull request`.
2. In the `Create a pull request` window, select the `feature1` branch on the left and the `master` branch on the right. Modify the information if you would like and select `Create pull request`. You should see that your pull request was created.

Congratulations, you have created a single repository pull request.

3: Merge a pull request.

1. (If necessary) In Bitbucket, navigate to the `project1` repository. Click on `Pull requests`. You should see your pull request. Click on the link to view the pull request.
2. Click the `Merge` button associated with your pull request. Accept the default commit message and merge strategy (merge commit). Click `Merge`. You should see that the `feature1` branch is now merged. Click on `Commits` and verify that the work of feature 1 is now in your commit graph.

3. In Sourcetree, checkout the `feature1` branch and perform a `pull` of the `feature1` branch. Perform a `push` if necessary. Checkout the `master` branch and perform another `Pull` on the `master` branch. Perform a `push` if necessary. All of the local and remote (origin) branch labels should now be on the latest commit.
4. Checkout the `master` branch. Delete the `feature1` branch label by right-clicking the `feature1` branch name in the sidebar and selecting `Delete feature1`. Select the `Delete remote branch` checkbox to also delete the `feature1` branch label on `origin`.
5. You will not use the `project1` repository in future labs. You can delete it.

Congratulations, you have merged a pull request and completed this lab.