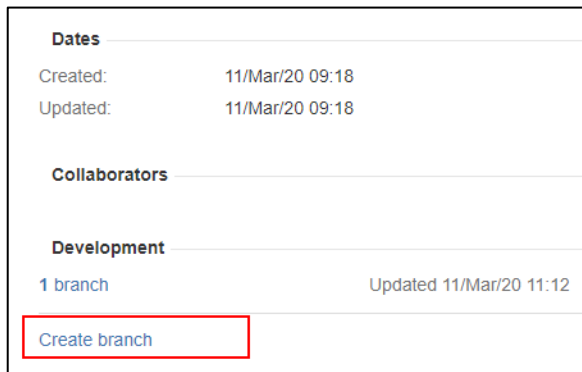Sourcetree is used to manage the different versions of code/files of different users, create code branches from the master branch and review the commitments of the branch code to the master code.
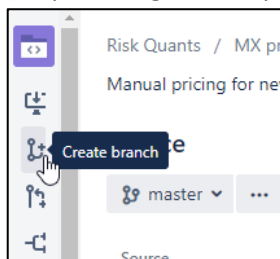
!Always work in branches

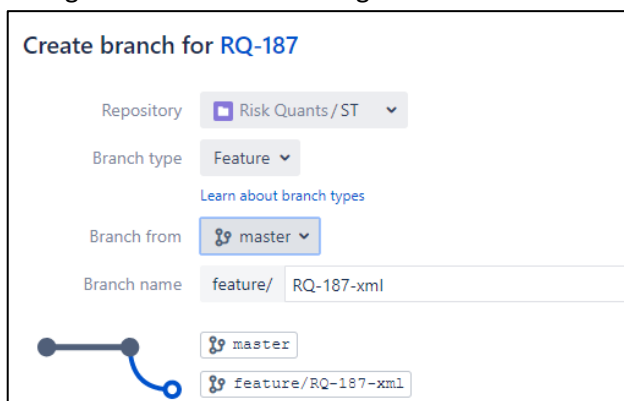!Firstly create a branch and then start changing the code

To start

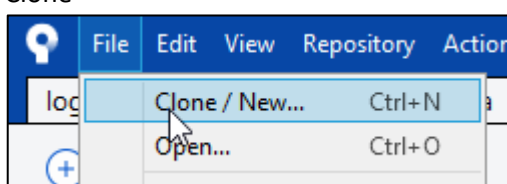1) Open the task in Jira and create a branch

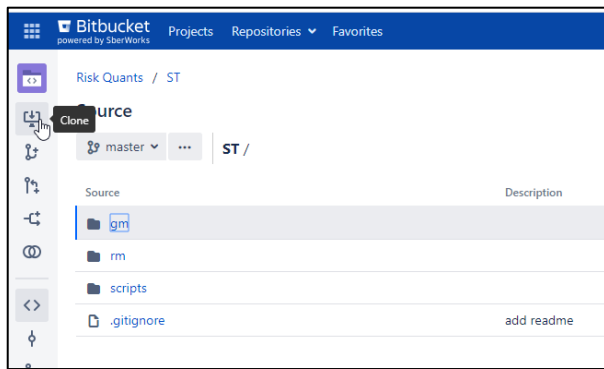(Or you can go directly to bitbucket and create the branch)

2) Choose Bitbucket
3) Choose "Branch type" = Feature.
   Change "Branch name" adding the details to the task name

4) Open sourcetree. Create a branch if there is no opened repository on the computer:
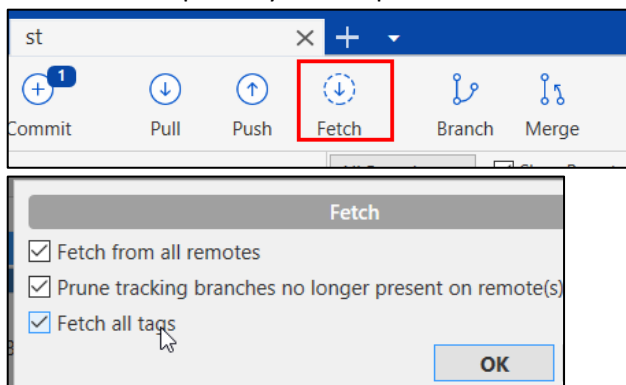   Clone
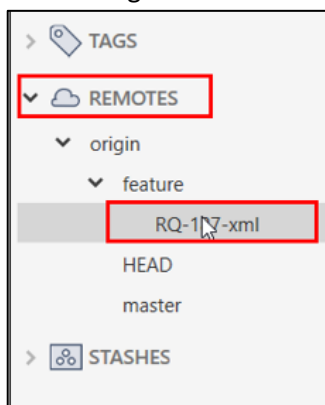

Put the link from Bitbucket to the Source Path in SourceTree

Put the folder on PC to the *Destination Path* in SourceTree

5) If there was Repository on computer than *Fetch* and fetch all tags
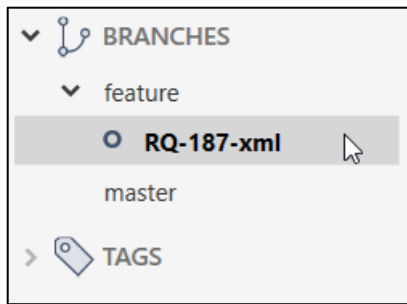

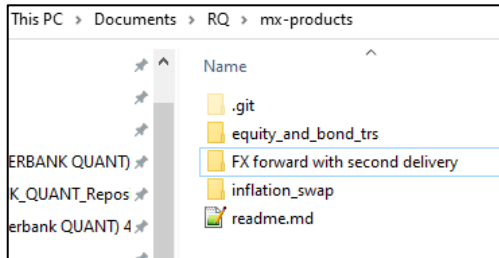After that go to REMOTES and double-click on your branch

Select *CheckOut New Branch*

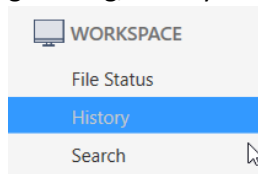Now you can see your branch in *BRANCHES*

And you can see that your PC files became the same as the files of this branch in Bitbucket server.

WHEN MADE THE CHANGE IN A BRANCH AND WANT TO MAKE A CHANGE ON THE SERVER IN THIS BRANCH
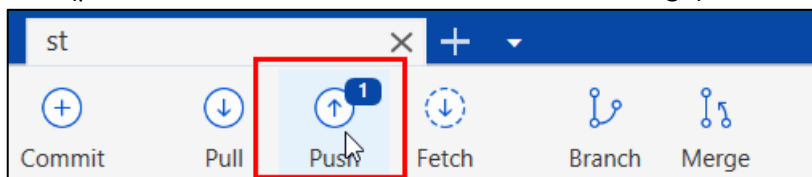
6) When adding the files and commit:
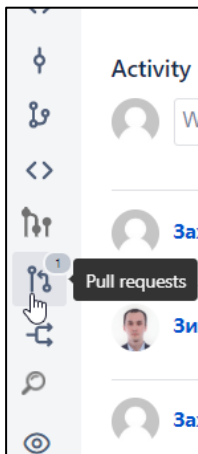   - go to Log/History tab (in the bottom or on the left top)

   - choose files that have some amendments
   - stage files
   - go to Files Status tab (in the bottom or on the left top)
   - add the comment in style "add the change in…"
   - commit
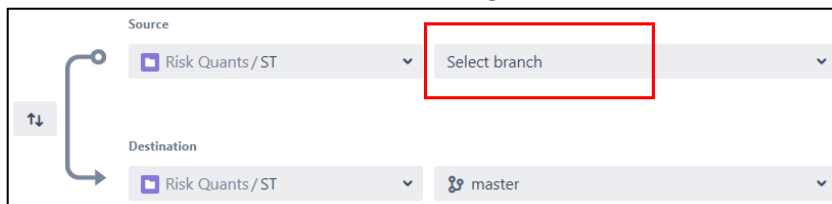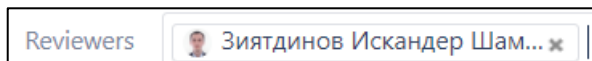7) Push (put from local branch to the server branch in the git)

To commit in Master

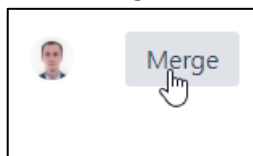1) Open bitbucket and make a pull request. Push *Create a pull request* button in the right-top corner.

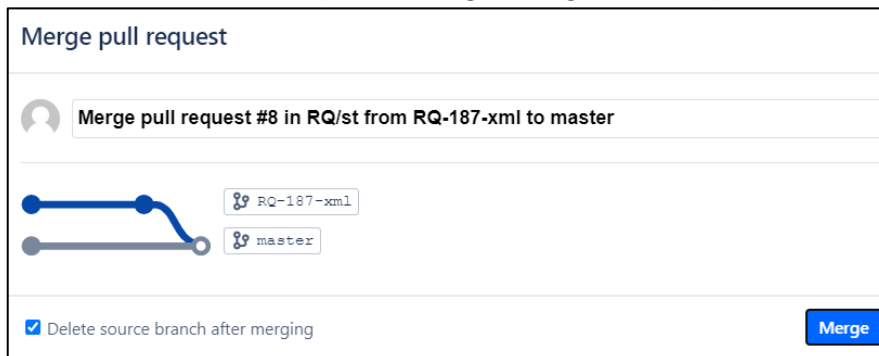Choose the branch that needs to be merged in master

Add the reviewer

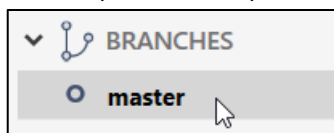2) If the change has been approved by Reviewer please *Merge* (in the right top corner)

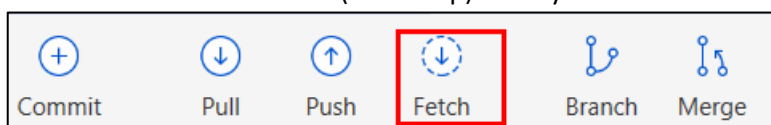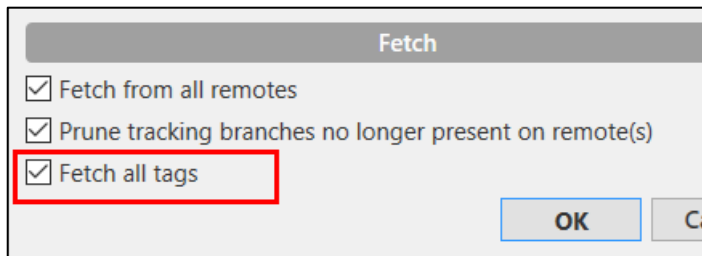3) Choose master to commit (with the flag *deleting the branch*)

Now the branch merged to the master

4) The next steps are about synchronizing your local repository with server's one. In SourceTree checkout Master (double-click)

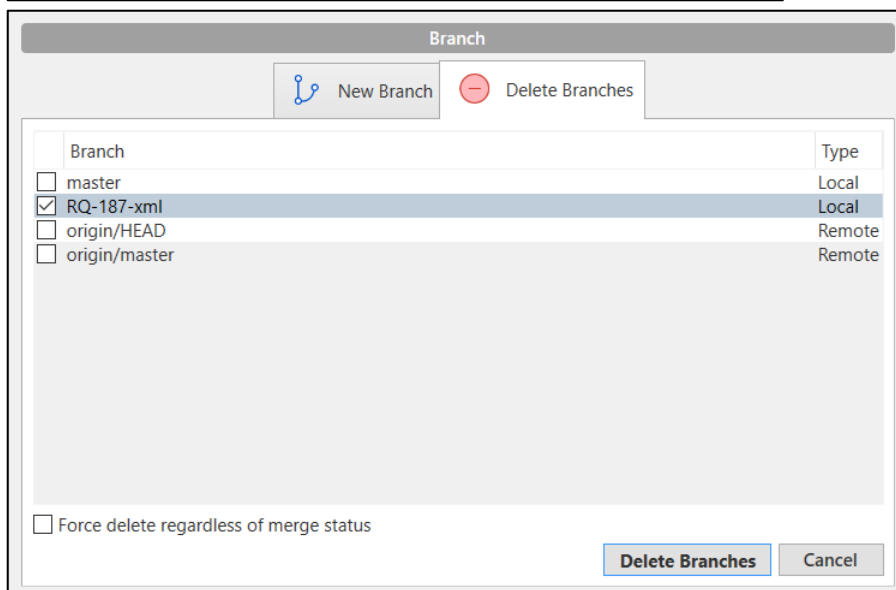5) In SourceTree choose Fetch (in the top). Now you can see the changes before pressing Pull.

Fetch

- ☑ Fetch from all remotes
- ☑ Prune tracking branches no longer present on remote(s)
- ☑ Fetch all tags

OK   Ca

6) Pull

7) Choose the branch and delete the local branch

Branch

| New Branch | ⊖ Delete Branches |

Branch	Type
☐ master	Local
☑ RQ-187-xml	Local
☐ origin/HEAD	Remote
☐ origin/master	Remote

☐ Force delete regardless of merge status

Delete Branches   Cancel

If you need please check force delete

P.S. Можно перейти через cmd в папку с развернутым репозиторием:

- *cd «имя папки» чтобы внутрь перейти*
- *cd .. чтобы выше перейти*
- *dir чтобы посмотреть все файлы)*

git status
git diff