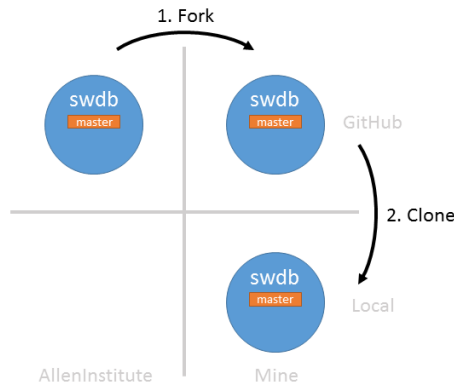


GitHub Collaborative Workflow Cheat Sheet

Repository Preparation



Fork a repository **GitHub**

1. https://github.com/alleninstitute/swdb_2018_tools
2. Click the 'Fork' button.
3. Tell GitHub to clone the repository to your profile.

Clone a repository **GitKraken**

1. File => Clone Repo
2. Choose Github.com
3. Choose a location on your computer to save the repository ("Where to clone to")
4. Browse to your fork (<user_name>/swdb_2018_tools)
5. Clone the repo!

Clone a repository **command line**

```
$ git clone https://github.com/dyf/SWDB\_2018.git
```

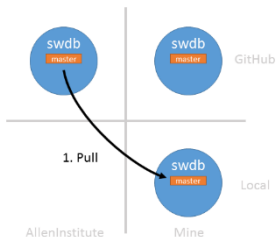
Add AllenInstitute remote **GitKraken**

1. Click the "+" in the "Remote" section on the left.
2. Paste in: https://github.com/alleninstitute/swdb_2018_tools
3. Accept the default name ("AllenInstitute")

Add AllenInstitute remote **command line**

```
$ git remote add AllenInstitute  
https://github.com/alleninstitute/swdb_2018_tools
```

Collaborative Workflow (step 1)



Pull changes from AllenInstitute **GitKraken**

1. Right-click the AllenInstitute remote and click "Fetch AllenInstitute".
2. Right-click the AllenInstitute/master branch and choose "Fast-forward changes from AllenInstitute/master".

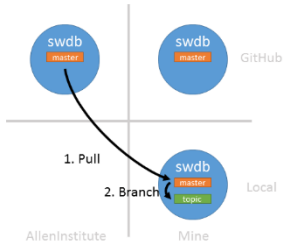
Pull changes from AllenInstitute **command line**

```
$ git checkout master # just making sure  
$ git pull AllenInstitute master
```

Remember: leave the master branch alone when collaborating

GitHub Collaborative Workflow Cheat Sheet

Collaborative Workflow (steps 2-5)



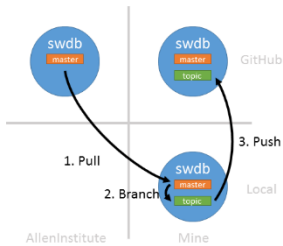
Create a topic branch **GitKraken**

1. Click the 'Branch' icon at the top of the screen. Give it a cool name.
2. Make a change: create a file in the repo directory.
3. Click "View Change" in the upper right panel.
4. Mouse-over your new file and click "Stage File"
5. Type a commit message.
6. Click "Commit changes to 1 file"

Create a topic branch **command line**

```
$ git checkout -b branch_name  
$ touch dyf.txt # create an empty file  
$ git add dyf.txt  
$ git commit -m "adding dyf.txt"
```

command line

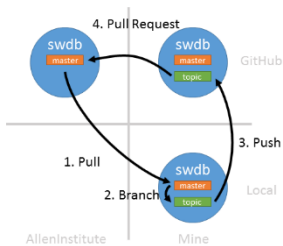


Push topic branch to fork **GitKraken**

1. Right-click your branch, then click "push"
2. Name your branch on Github (use the default, name from above)
3. Click "Submit"

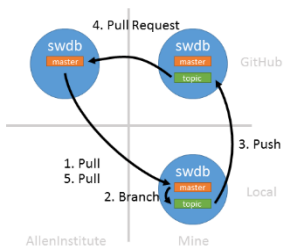
Push topic branch to fork

```
$ git push origin branch_name
```



Issue pull request **GitHub**

1. Open GitHub to http://github.com/user_name/SWDB_2018
2. GitHub will notice your new branch. Click "Compare and Pull Request".



Update your local master **GitKraken**

1. Check out local/master by double clicking on it.
2. Right-click "branch_name" and delete it.
3. Right-click the AllenInstitute remote and click "Fetch AllenInstitute".
4. Right-click the AllenInstitute/master branch and choose "Fast-forward changes from AllenInstitute/master".

Update your local master **command line**

```
$ git checkout master  
$ git branch -d dyf_branch # delete the branch  
$ git pull AllenInstitute master
```