Git & Git Flow Workflow

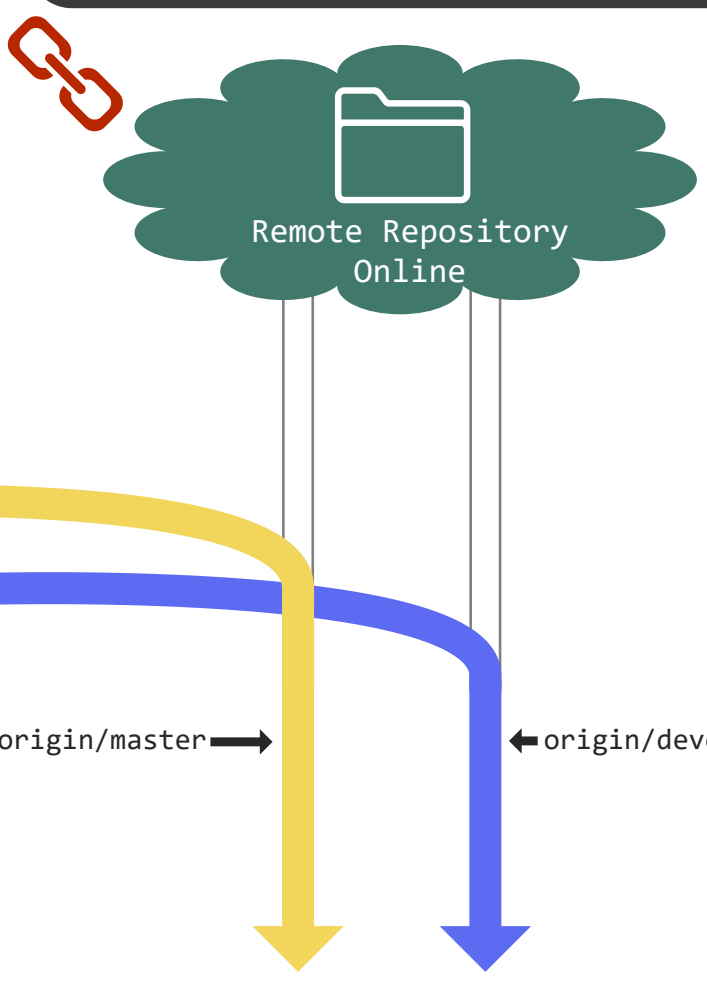
`git flow init` *accept all questions

branch →

master →

← develop

`git remote add origin`
https://github.com/<USERNAME>/<REPONAME>.git



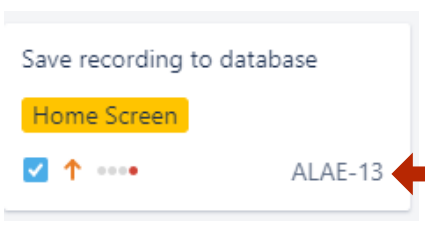
branch

`[master] git push -u origin master`

`[develop] git push origin develop`

Feature

`[develop] git flow feature start [ID]`



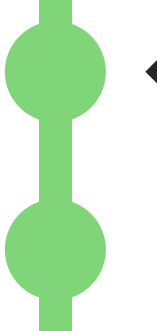
Changes
- modifying files
- adding files
- deleting files
- ...

`[feature/[ID]] git add .`

* add all changes in directory (root)

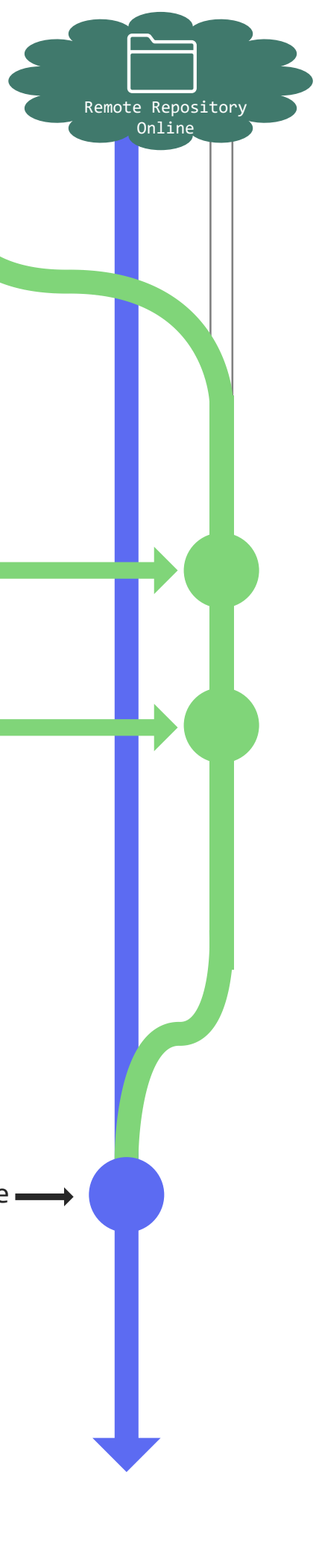
for one file: `git add <FILE>`

`[feature/[ID]] git commit -m "[ID]: ..."`



`[feature/[ID]] git flow feature publish`

* creates branch feature/<ID> in online repository and pushes commits onto it



`[feature/[ID]] git push`

* push all commits which are not on the repo yet, to the repo

Task complete
- task is completed
- code is reviewed (cleaness, style, ...)

`[feature/[ID]] git flow feature finish`

* puts all changes on the develop branch (*merges feature/[ID] with develop*) and deletes feature/[ID]

More useful commands

`git log` * show all commits

`git reset --hard [commit id]` * **USE WITH CAUTION** deletes all changes and resets to specified commit (good if testing something, but did not work)

`git branch -a` * show all branches

`git branch -D [branch]` * **USE WITH CAUTION** deletes branch with all changes on it

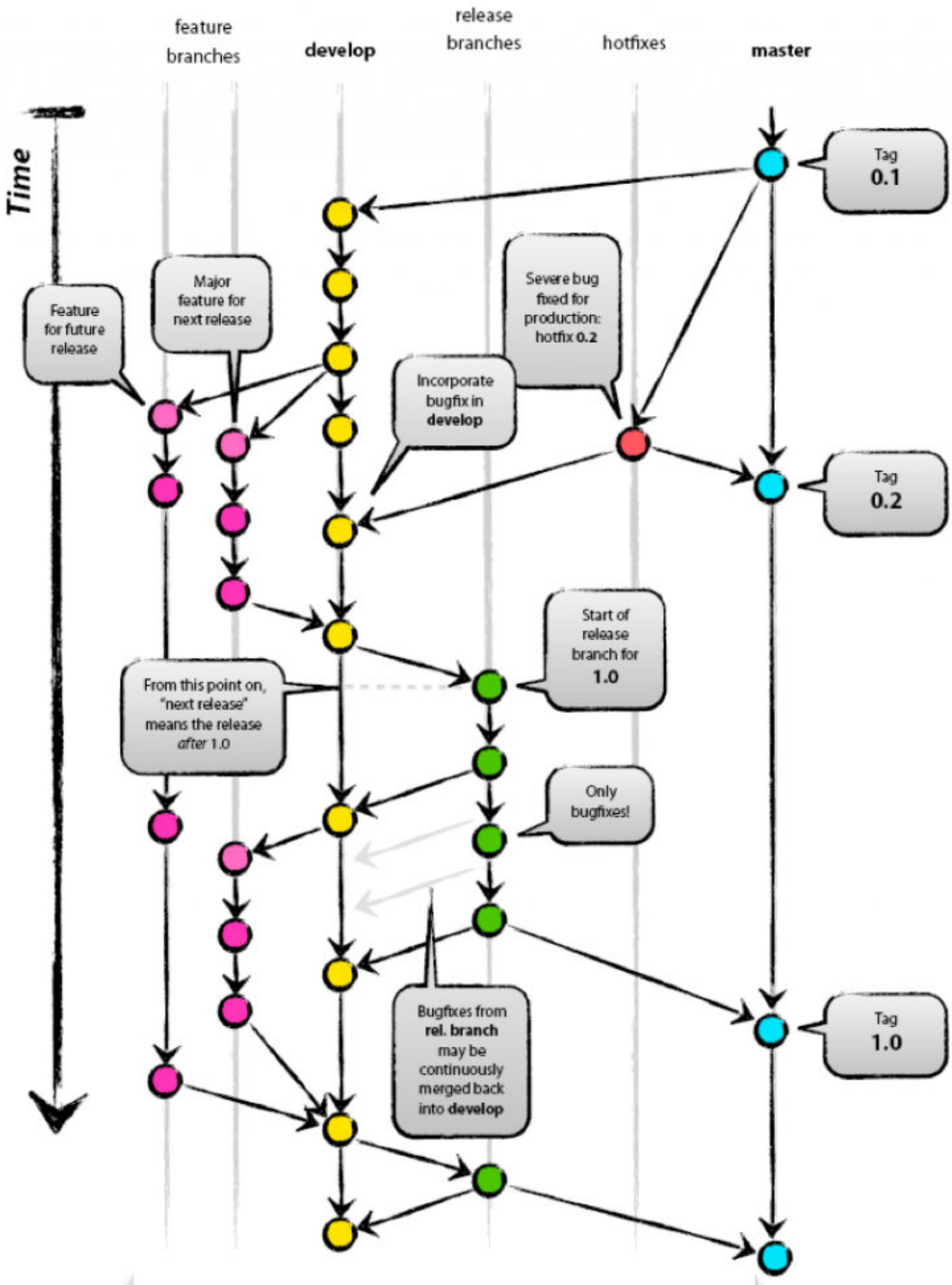
More resources:

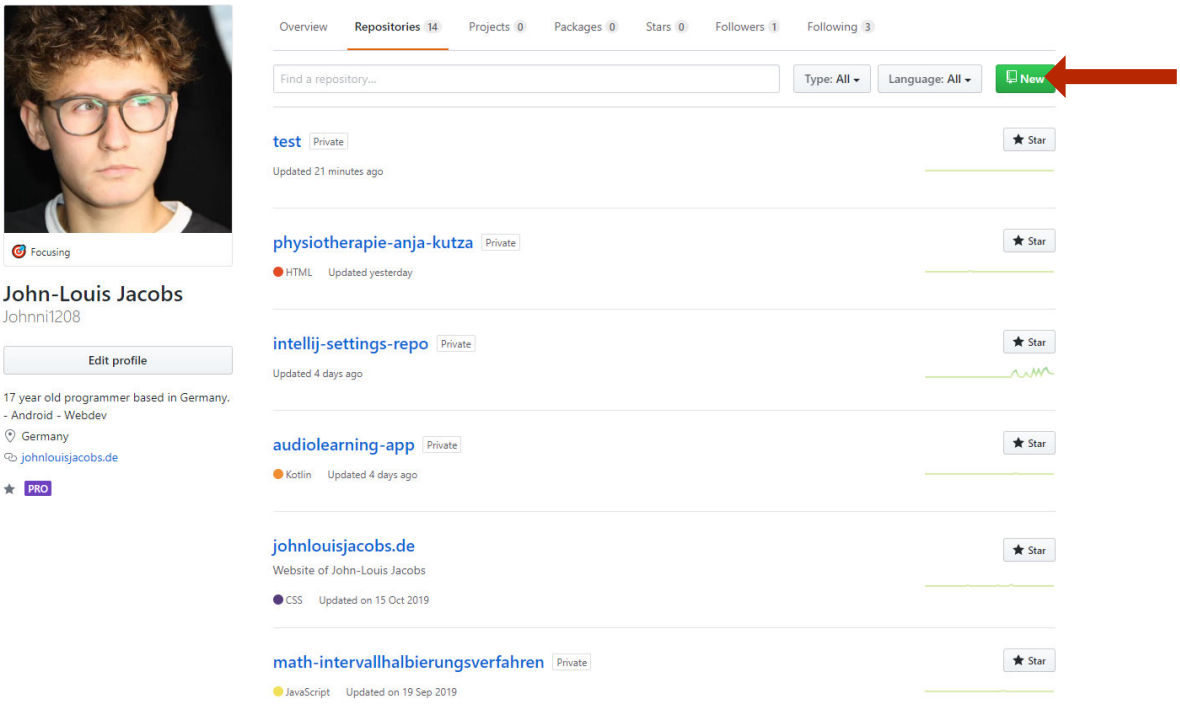
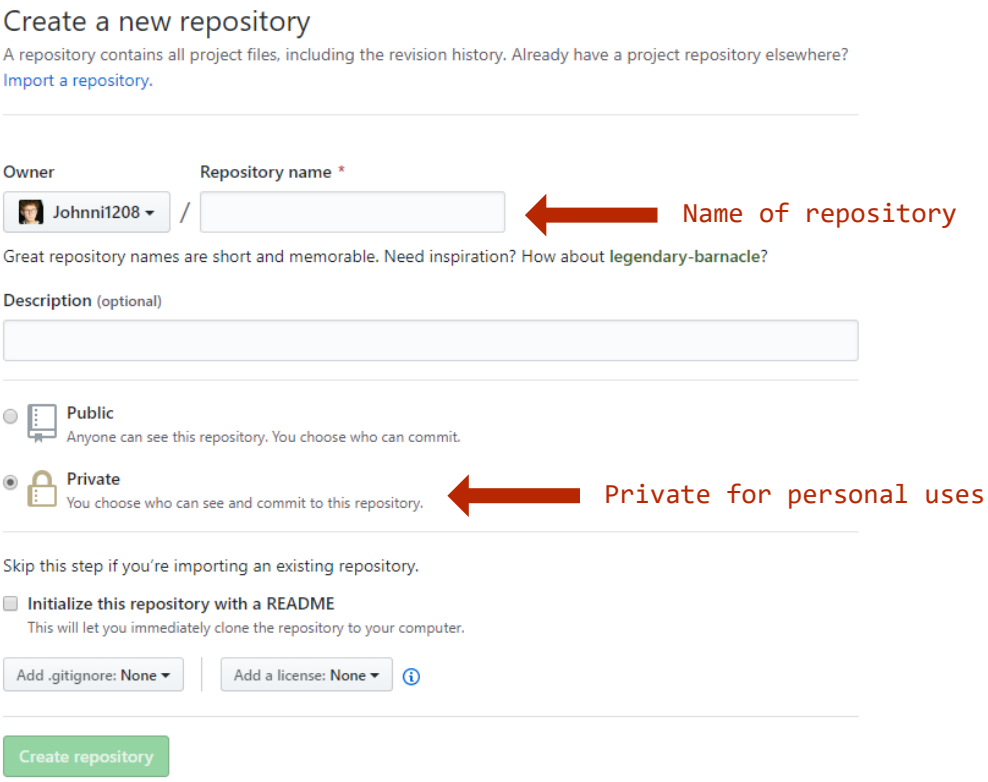
https://gitbasics.xyz

https://git-scm.com/doc

https://danielkummer.github.io/git-flow-cheatsheet/

https://blog.axosoft.com/gitflow/


feature branches
develop
release branches
hotfixes
master
Time
Tag 0.1
Feature for future release
Major feature for next release
Severe bug fixed for production: hotfix 0.2
Incorporate bugfix in develop
Tag 0.2
Start of release branch for 1.0
From this point on, "next release" means the release after 1.0
Only bugfixes!
Bugfixes from rel. branch may be continuously merged back into develop
Tag 1.0

Github repository creation

https://github.com/<USERNAME>?tab=repositories