

# Git & Git Flow Workflow



Local Root-Folder

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

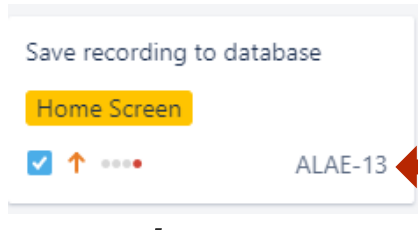
[develop] git push  
origin develop

origin/master →

← 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]: ..."

← Commit

[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]

← Merge →

## 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

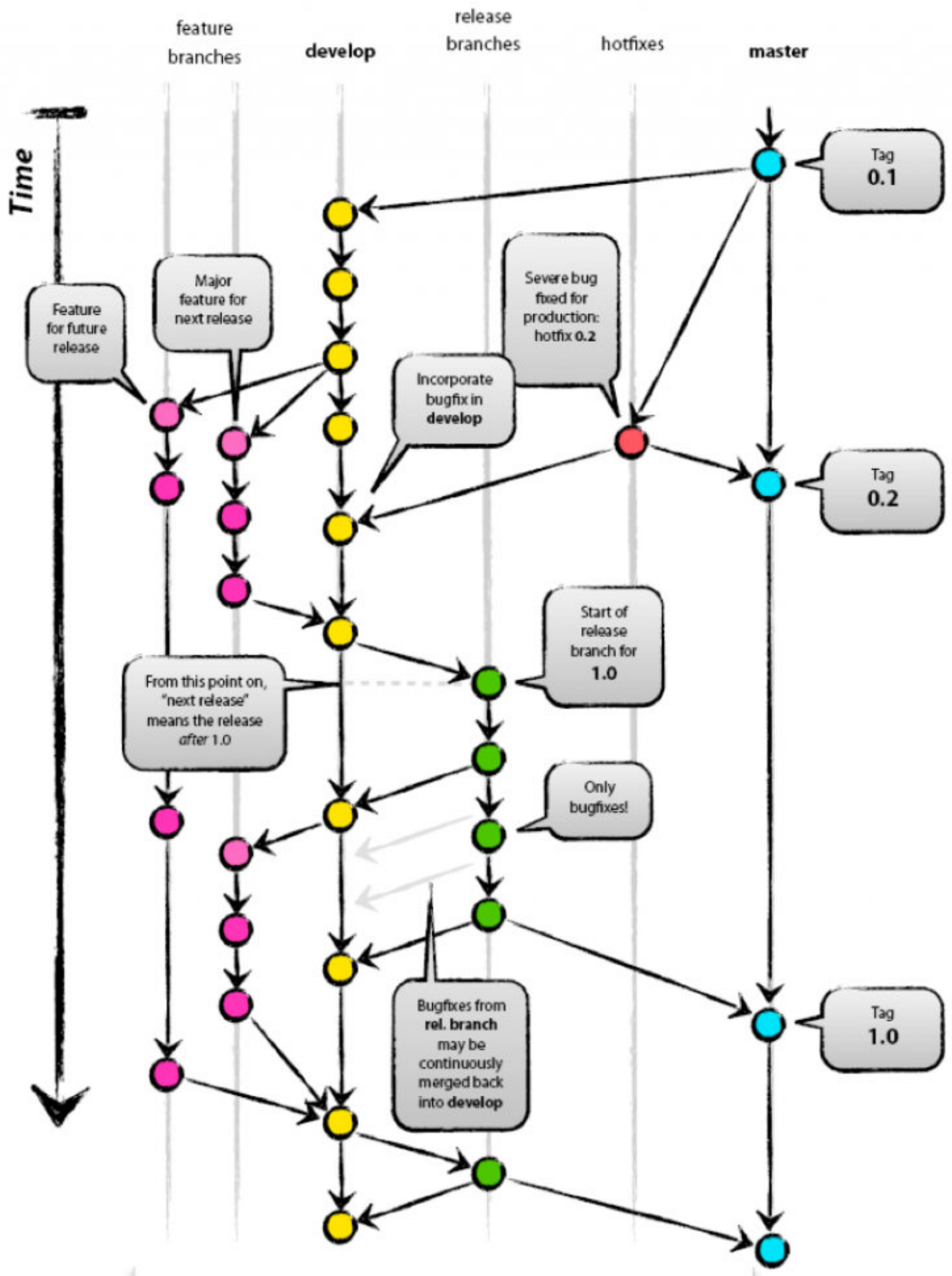
More resources:

<https://gitbasics.xyz>

<https://git-scm.com/doc>

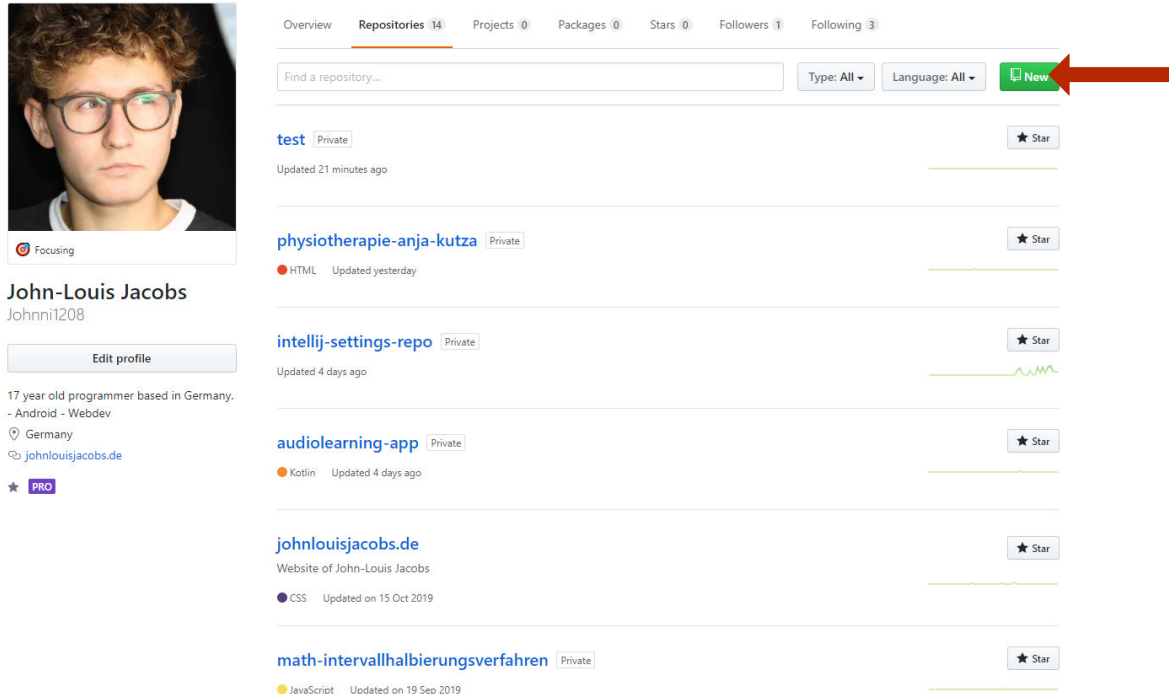
<https://danielkummer.github.io/git-flow-cheatsheet/>

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



# Github repository creation

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



The screenshot shows the GitHub profile of John-Louis Jacobs (Johnni1208). The 'Repositories' tab is active, displaying a list of repositories. A red arrow points to the 'New' button in the top right corner of the repository list.

Repository Name	Privacy	Language	Updated
test	Private		Updated 21 minutes ago
physiotherapie-anja-kutza	Private	HTML	Updated yesterday
intellij-settings-repo	Private		Updated 4 days ago
audiolearning-app	Private	Kotlin	Updated 4 days ago
johnlouisjacobs.de		CSS	Updated on 15 Oct 2019
math-intervallhalbierungsverfahren	Private	JavaScript	Updated on 19 Sep 2019

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?  
[Import a repository.](#)

Owner: Johnni1208 /  ← Name of repository

Great repository names are short and memorable. Need inspiration? How about [legendary-barnacle](#)?

Description (optional):

☒ **Public**  
Anyone can see this repository. You choose who can commit.

☐ **Private** ← Private for personal uses  
You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

☐ **Initialize this repository with a README**  
This will let you immediately clone the repository to your computer.

Add .gitignore: **None** | Add a license: **None** ⓘ

**Create repository**