GitHub:
A Crash Course

Hello World!

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1. What is GitHub?

GitHub is 2 parts: Git and “GitHub”

Git:

- Distributed version control software

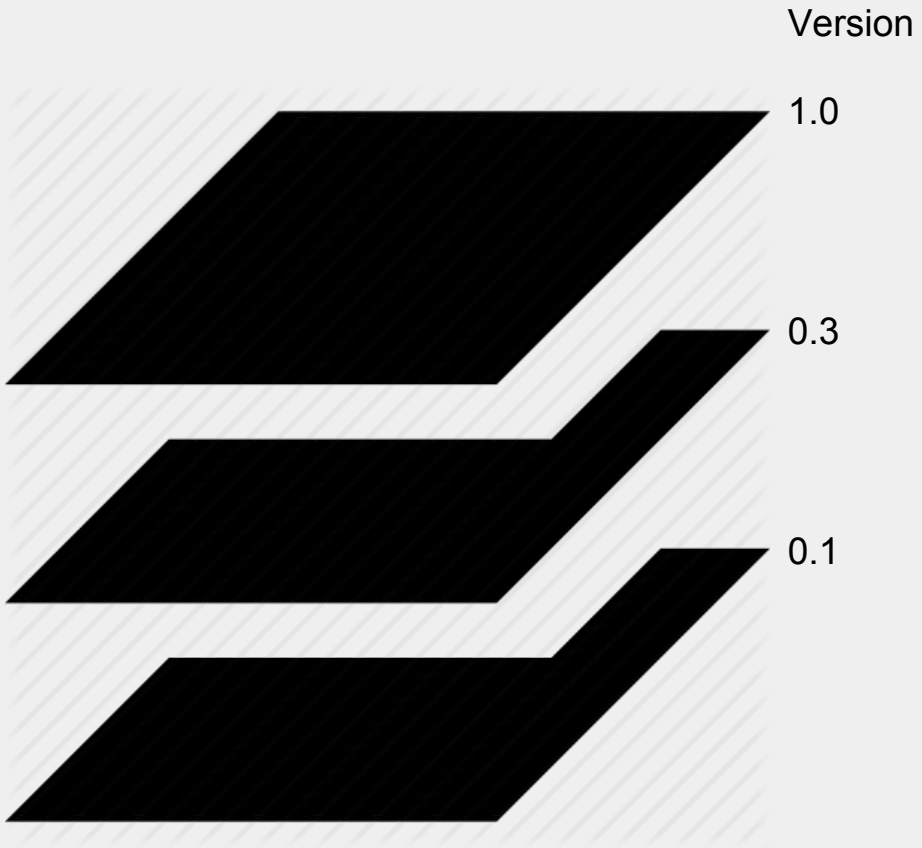
GitHub:

- Online storage and access for Git

But what does that mean?

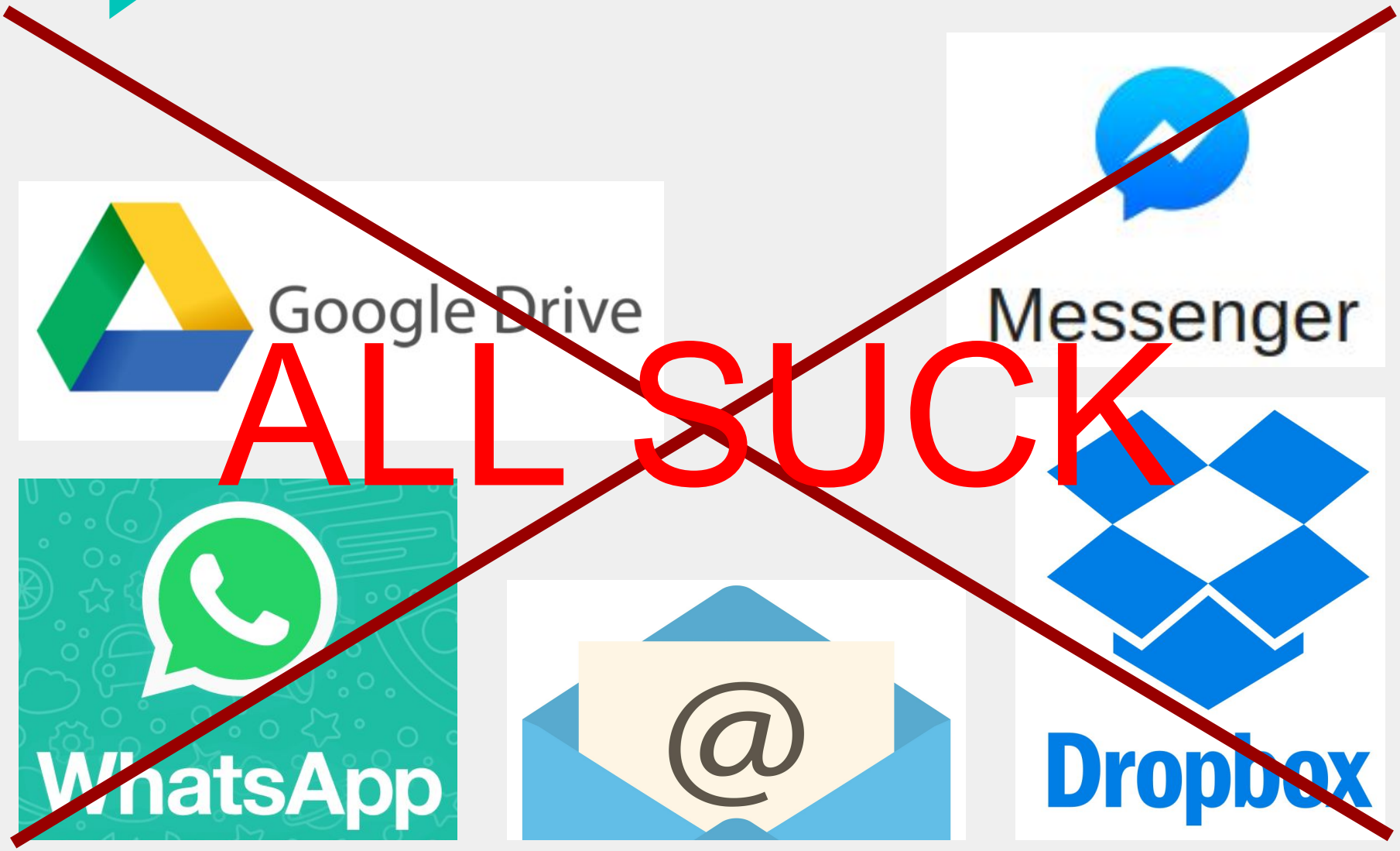
Version Control

Snapshots of your work

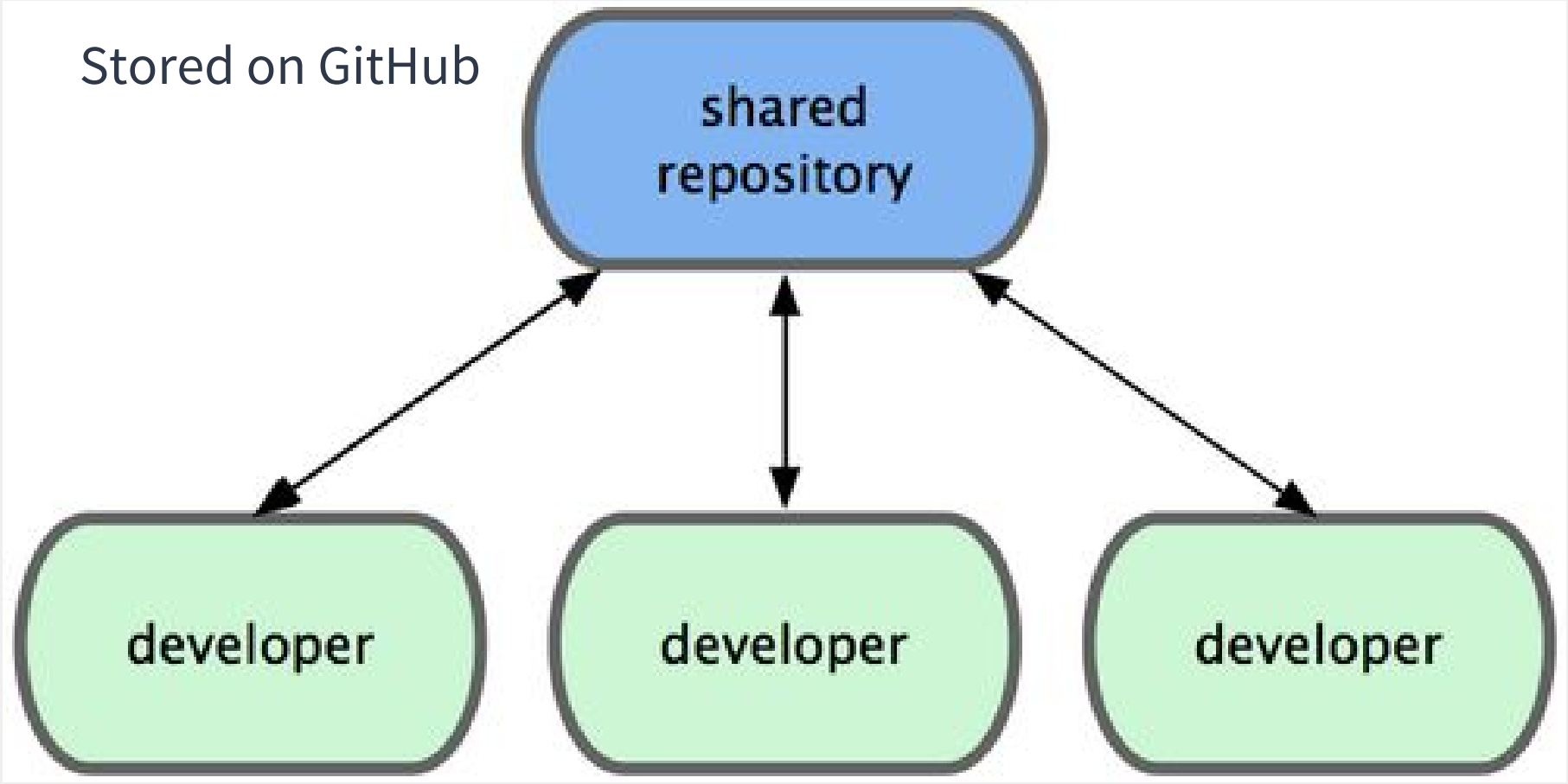


2. Why use GitHub

Other Teamwork options?



Keeping up-to-date



3. How does it work?

Basic commands

- git clone {repo url}
- git add {filename}
- git commit -m “comments”
- git push
- git pull
- git status

File states

Unmodified

This file is identical to the information stored in the repository

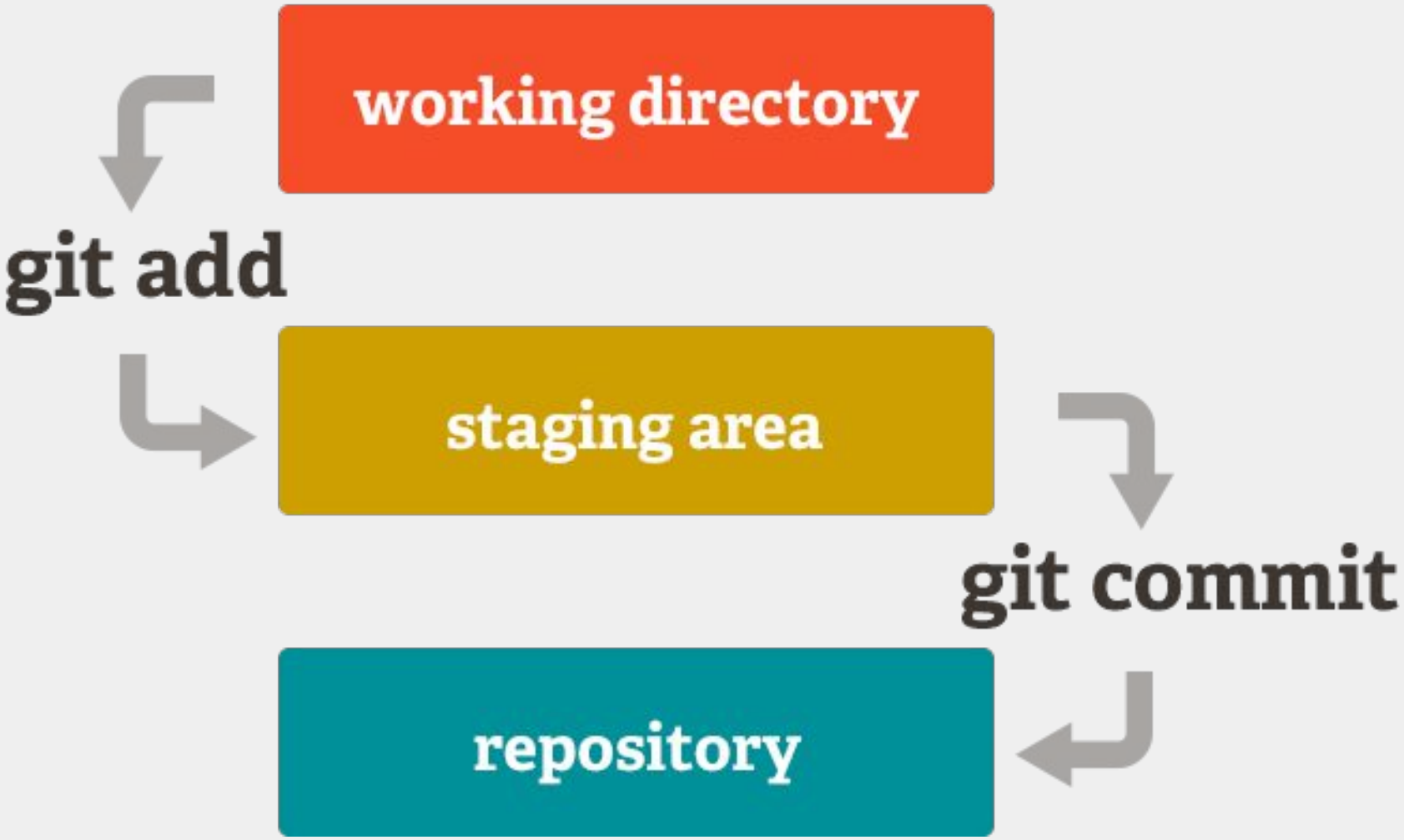
Modified

There are differences between this file and the one of the same name marked in the repo

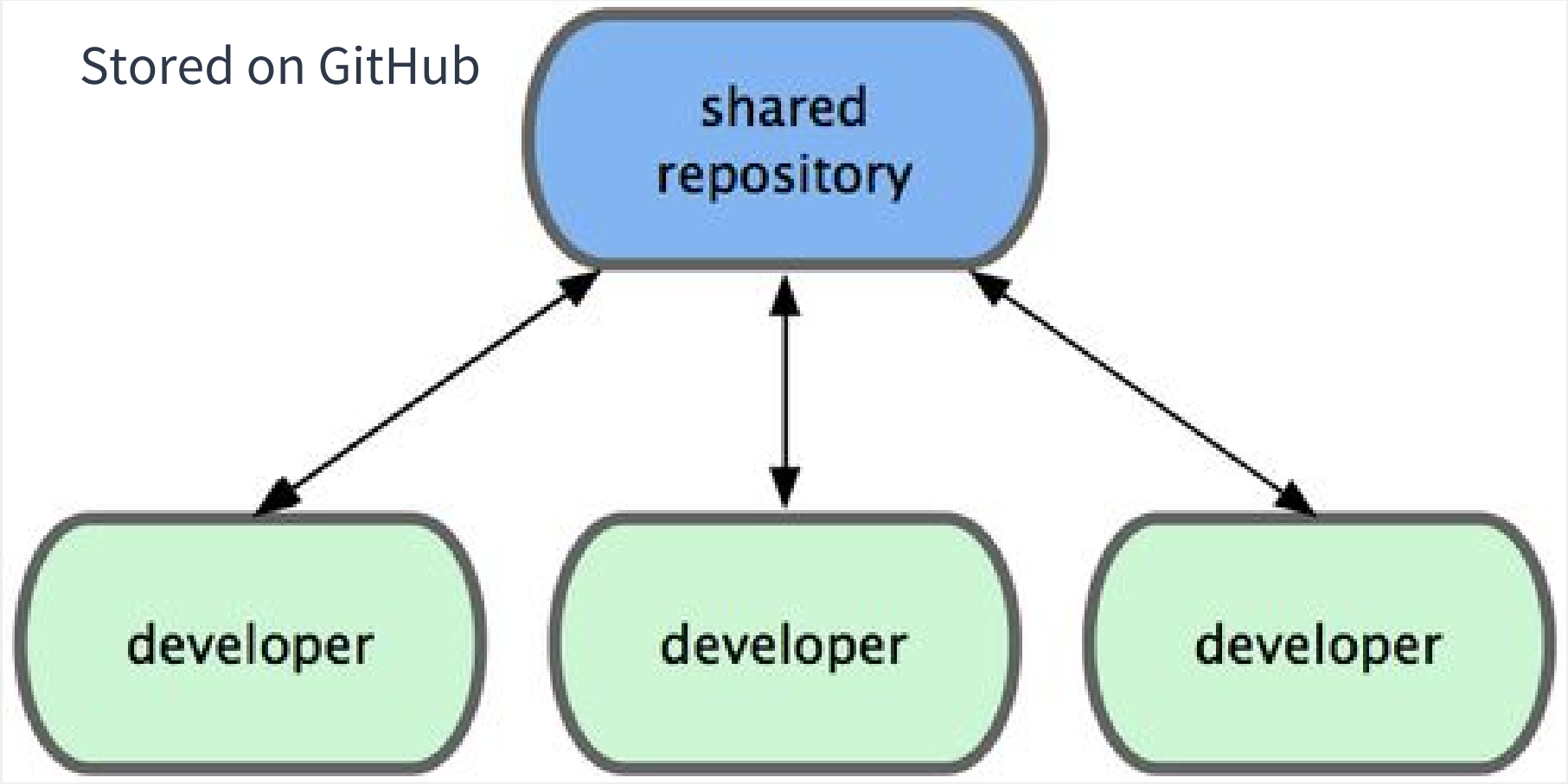
Staged

File is ready to be committed (but can still be worked on)

Local view


working directory
git add
staging area
git commit
repository

Keeping up-to-date



Demo

Using GitHub’s git bash and Atom

4. Branching

Branching commands

- git checkout
- git merge

Demo

Branching