

Using git without alternate branches

- `git add .` (or `git add filename`)
- `git commit -m "One line description of what was changed"`
- `git push`
- `git pull`

GitHub Repository

MAIN (branch)

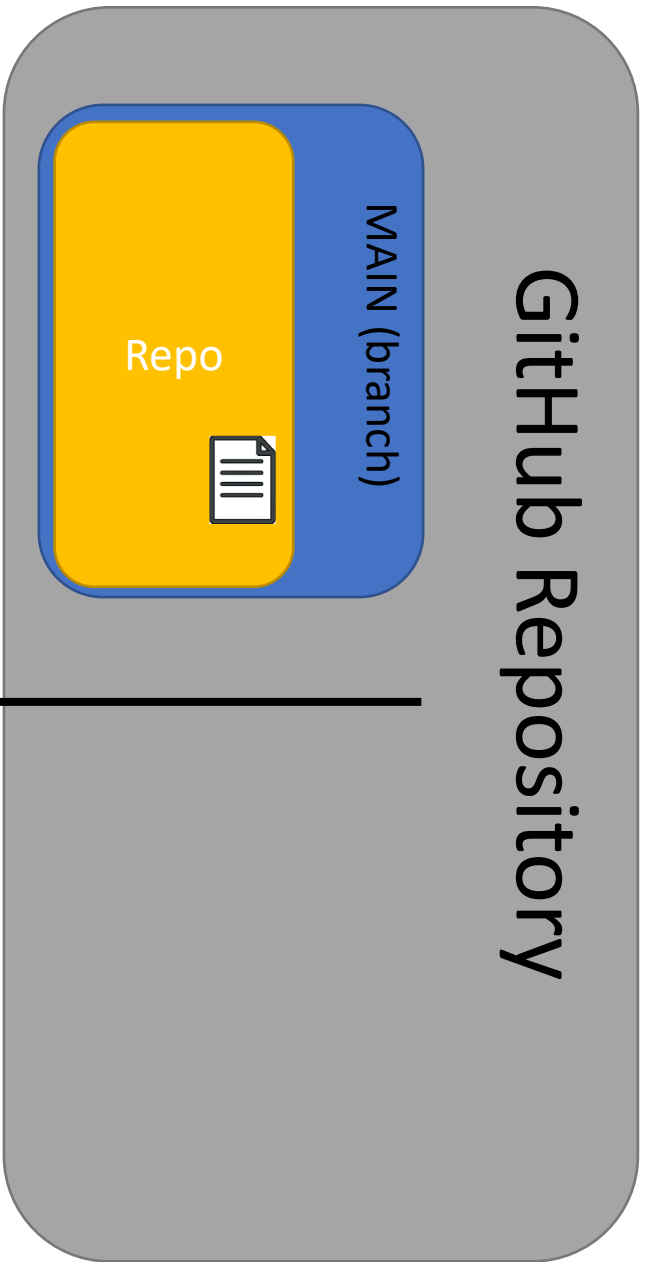
Repo



Local Computer



git clone URL



GitHub Repository

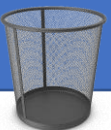
MAIN (branch)

Repo

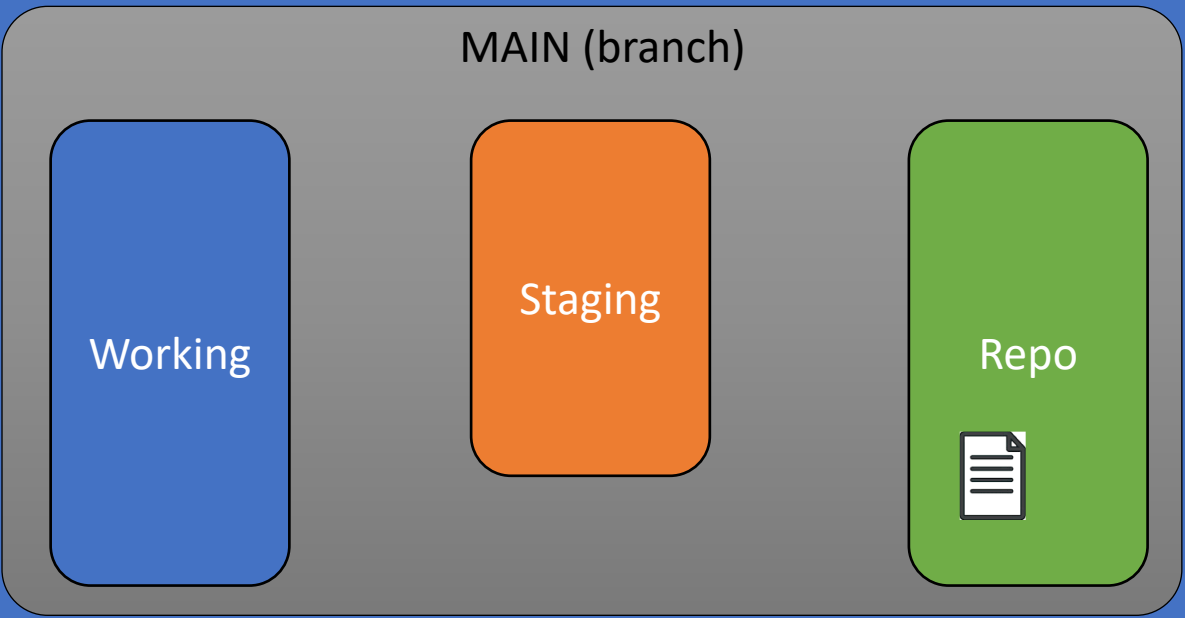


Git clone

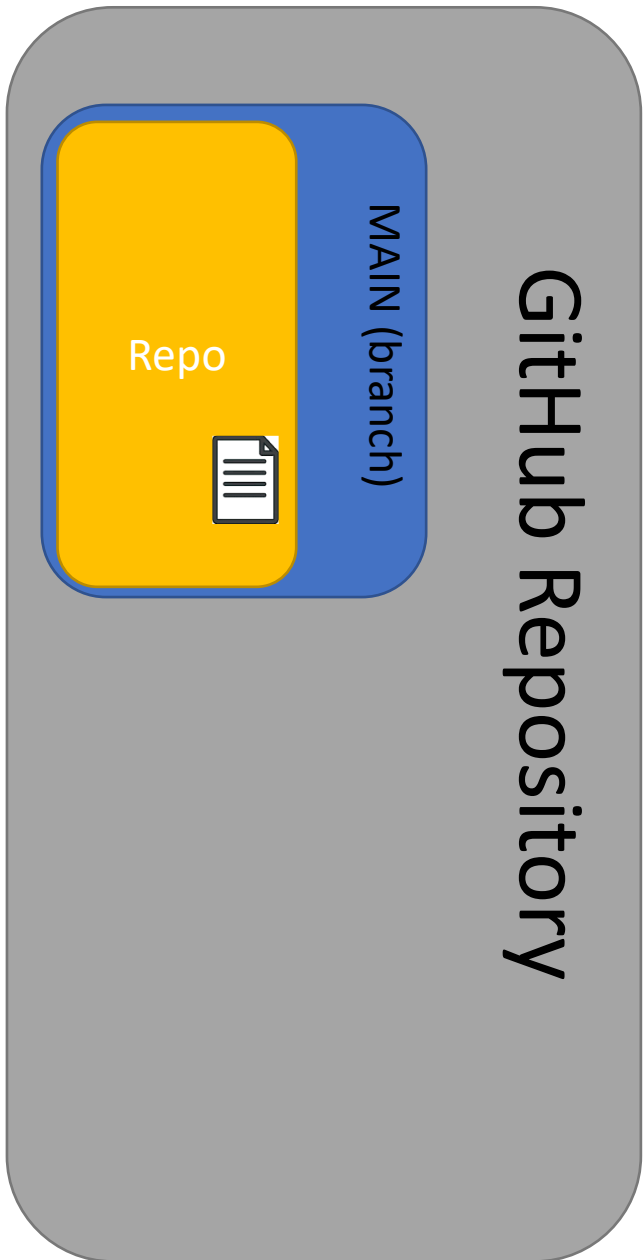
Local Repository



Local Repository




GitHub Repository



Local Repository

MAIN (branch)


Working

Staging

Repo



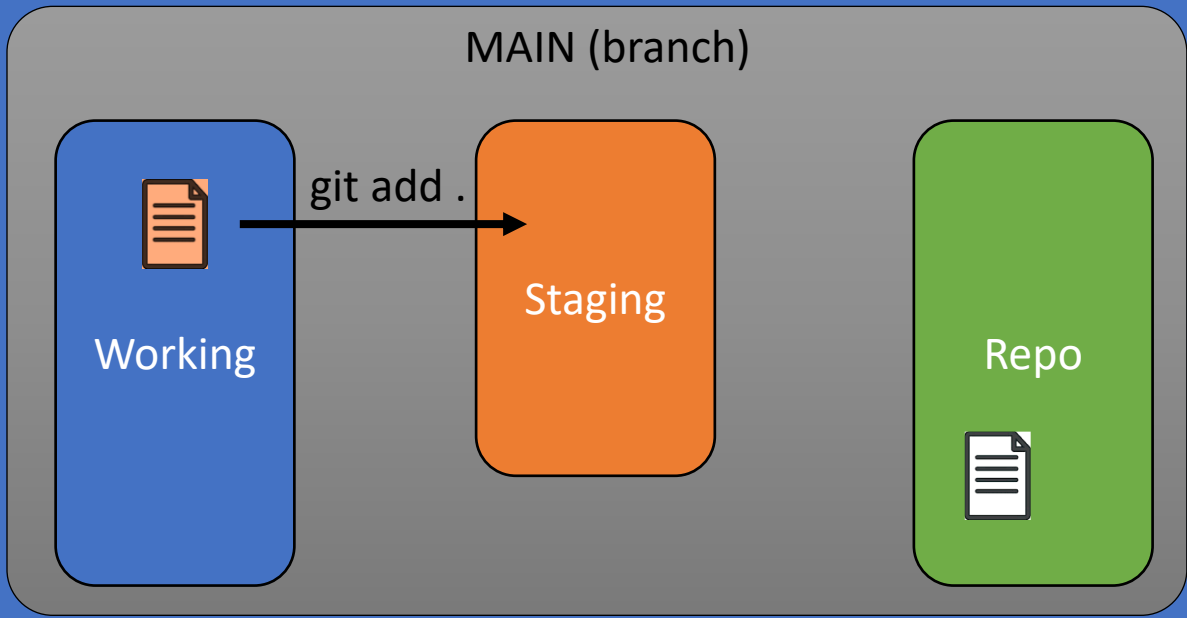
GitHub Repository

MAIN (branch)

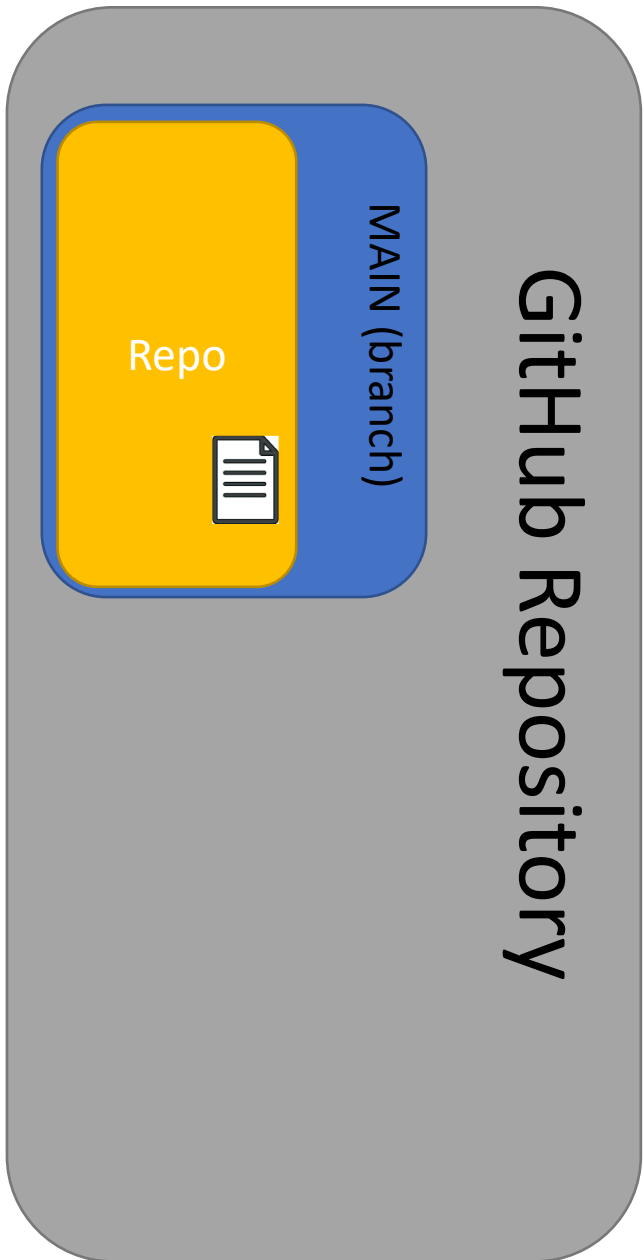
Repo



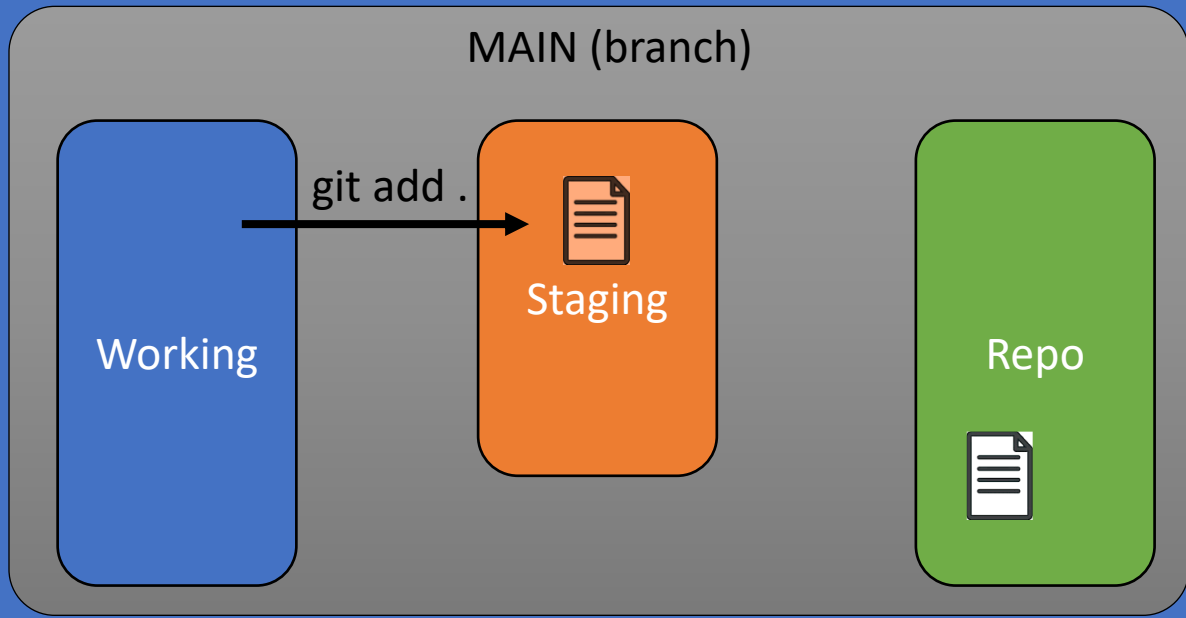
Local Repository



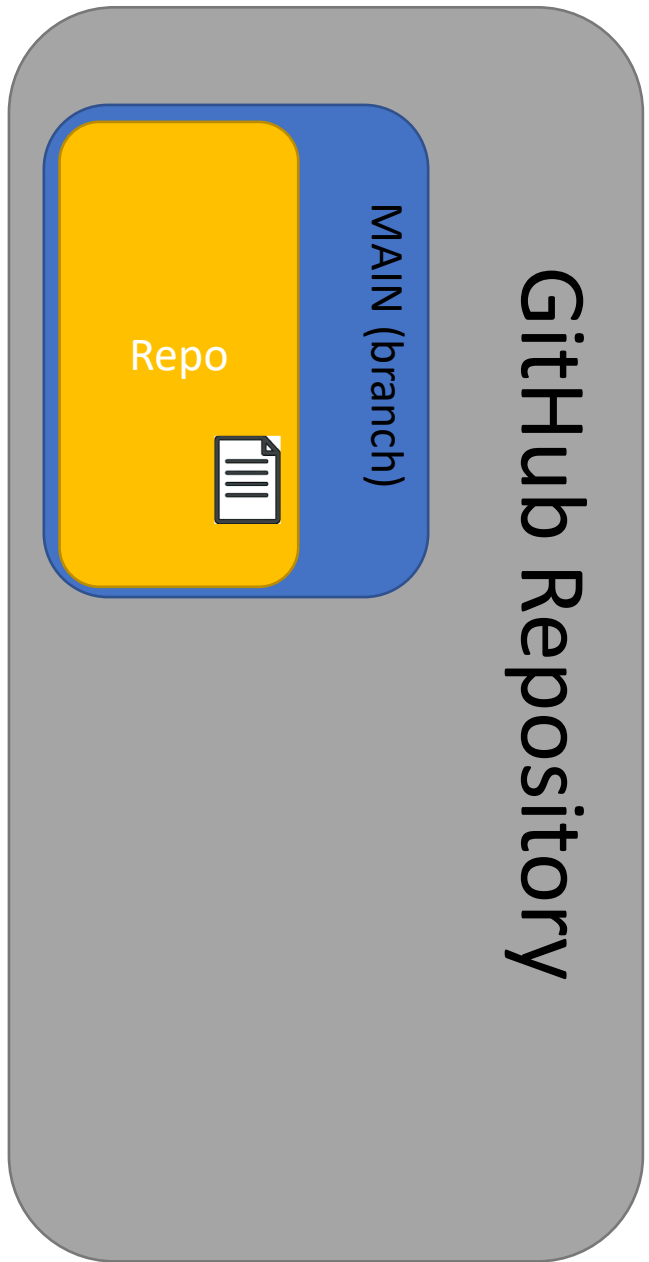
GitHub Repository



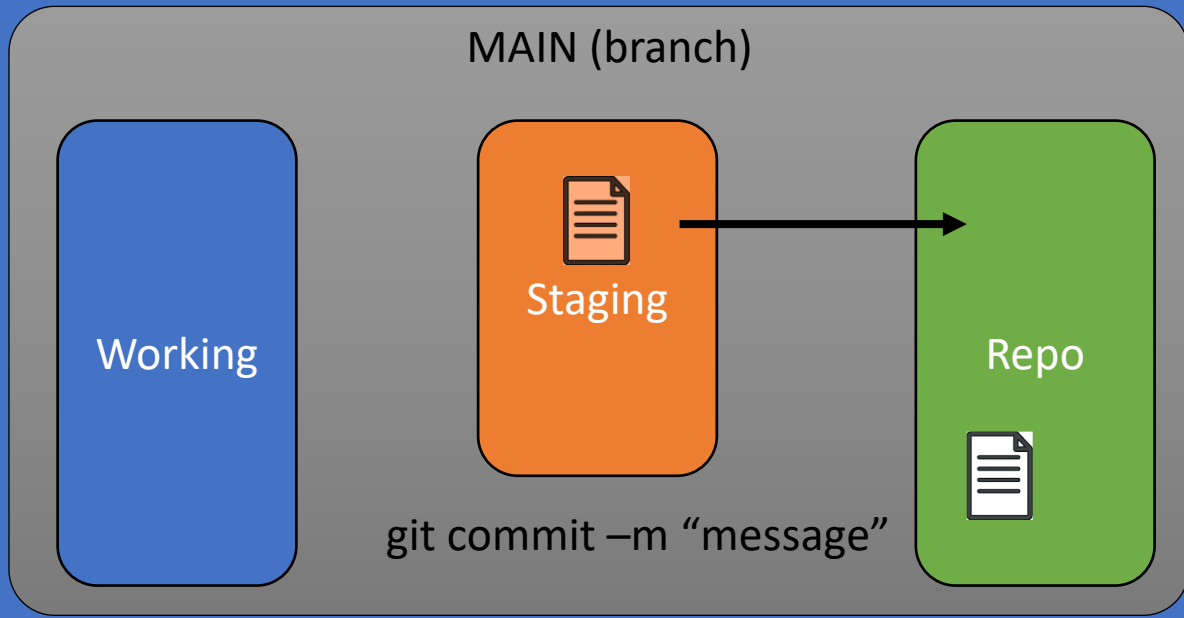
Local Repository



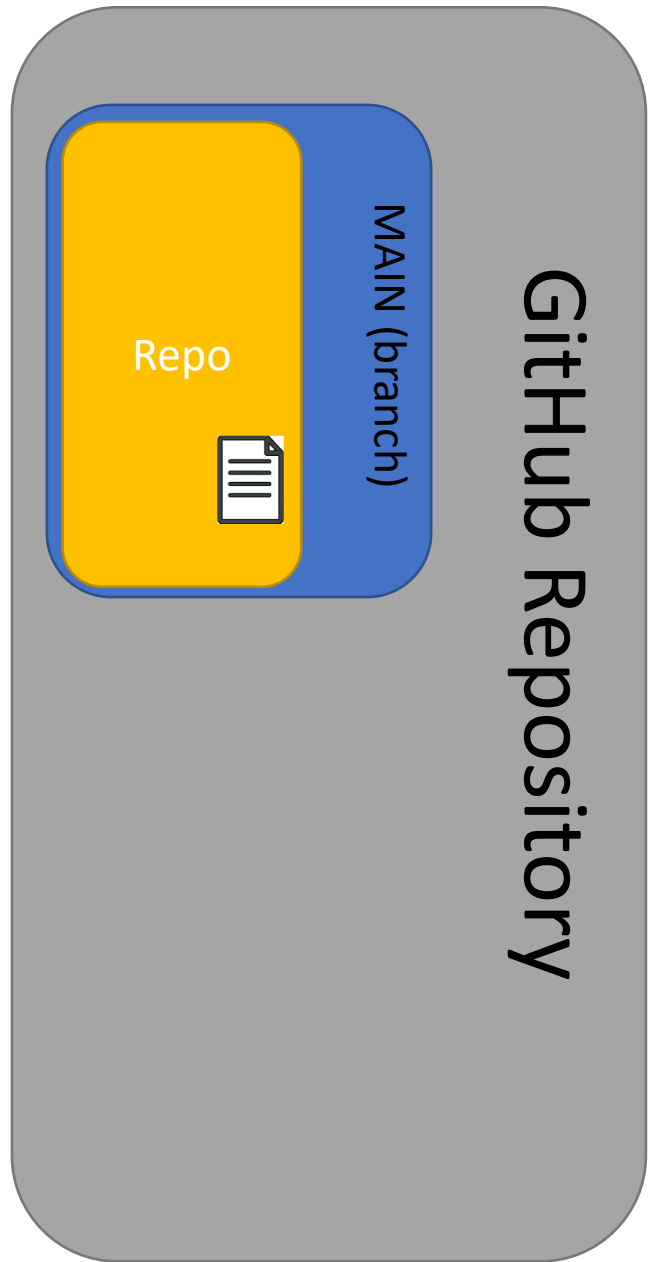
GitHub Repository



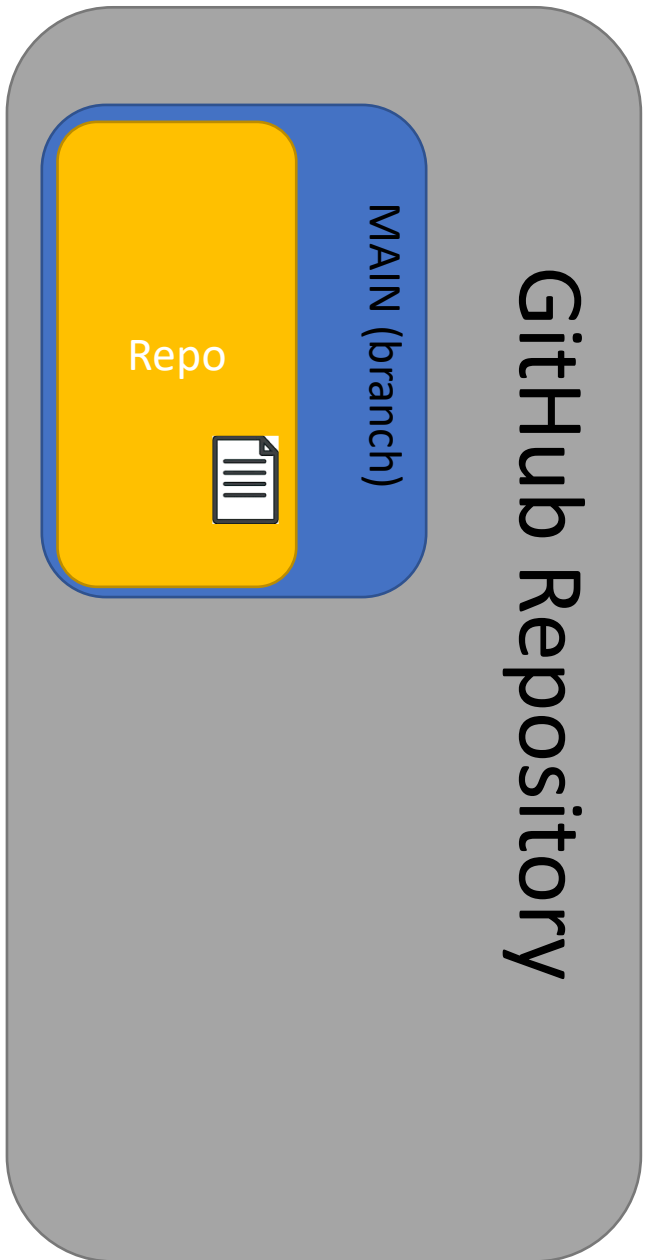
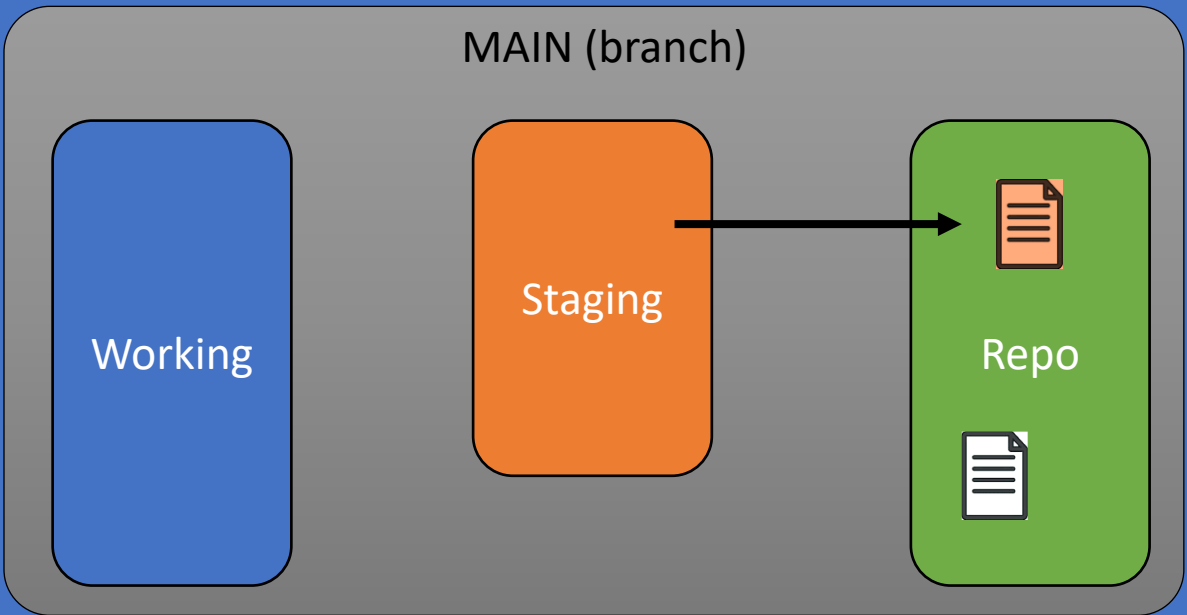
Local Repository



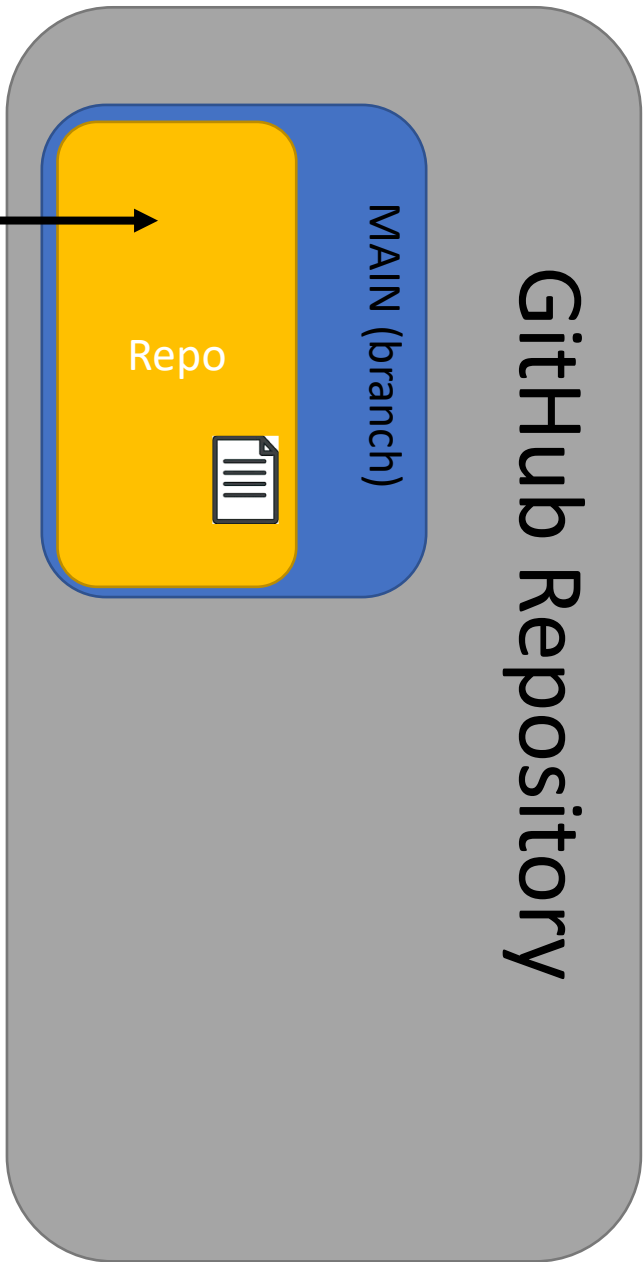
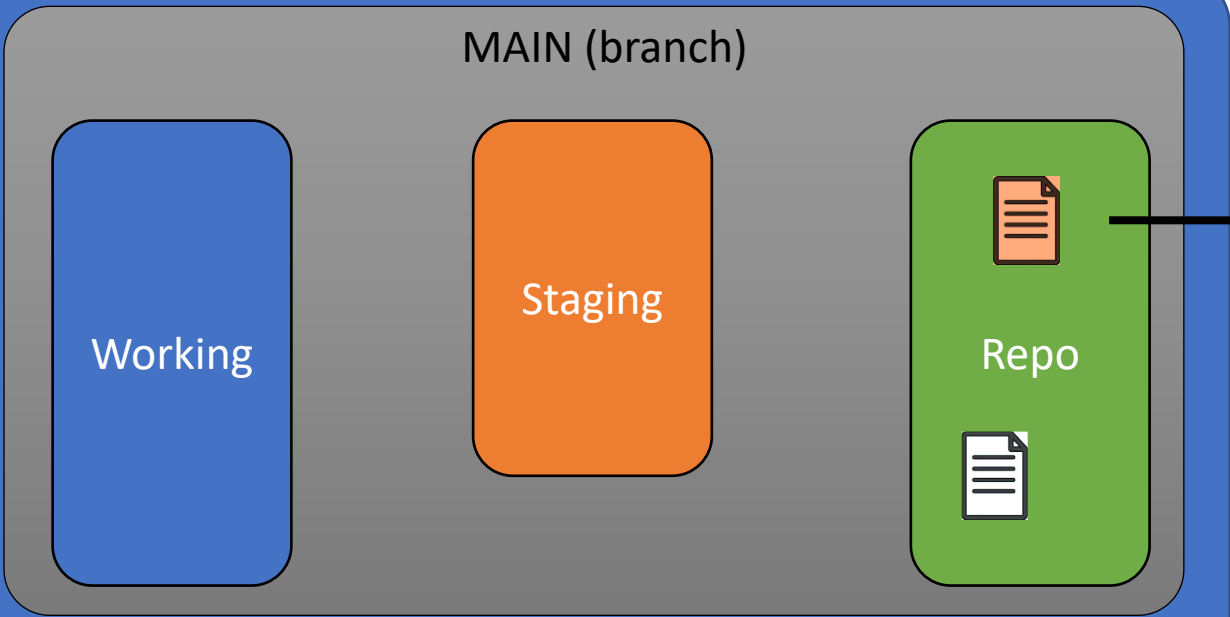
GitHub Repository



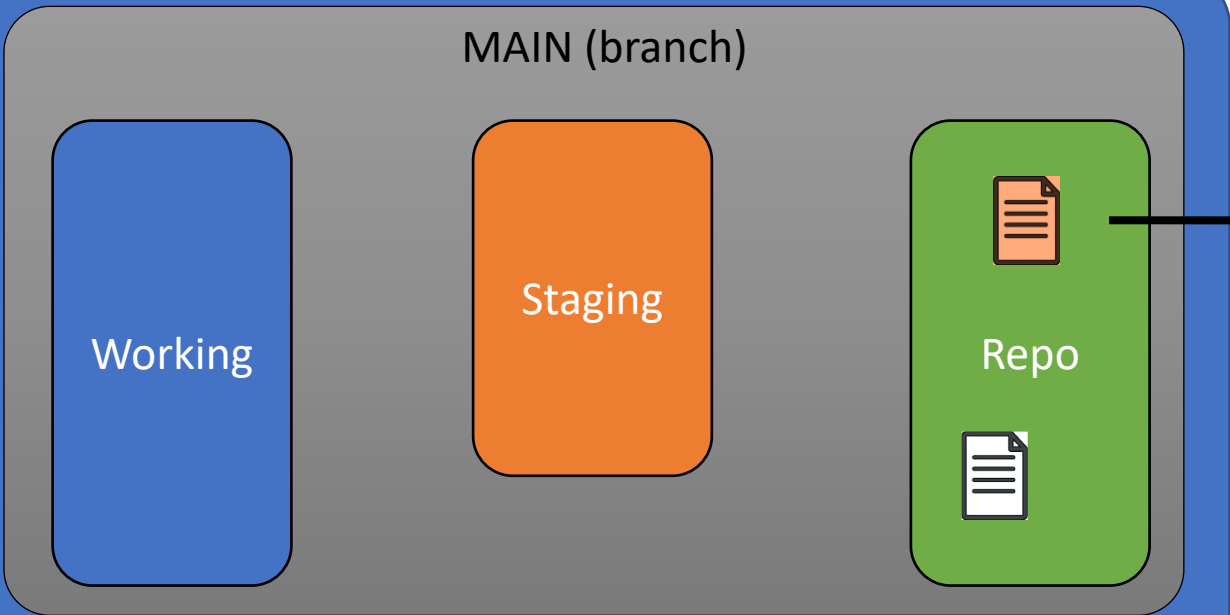
Local Repository



Local Repository



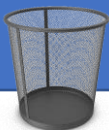
Local Repository



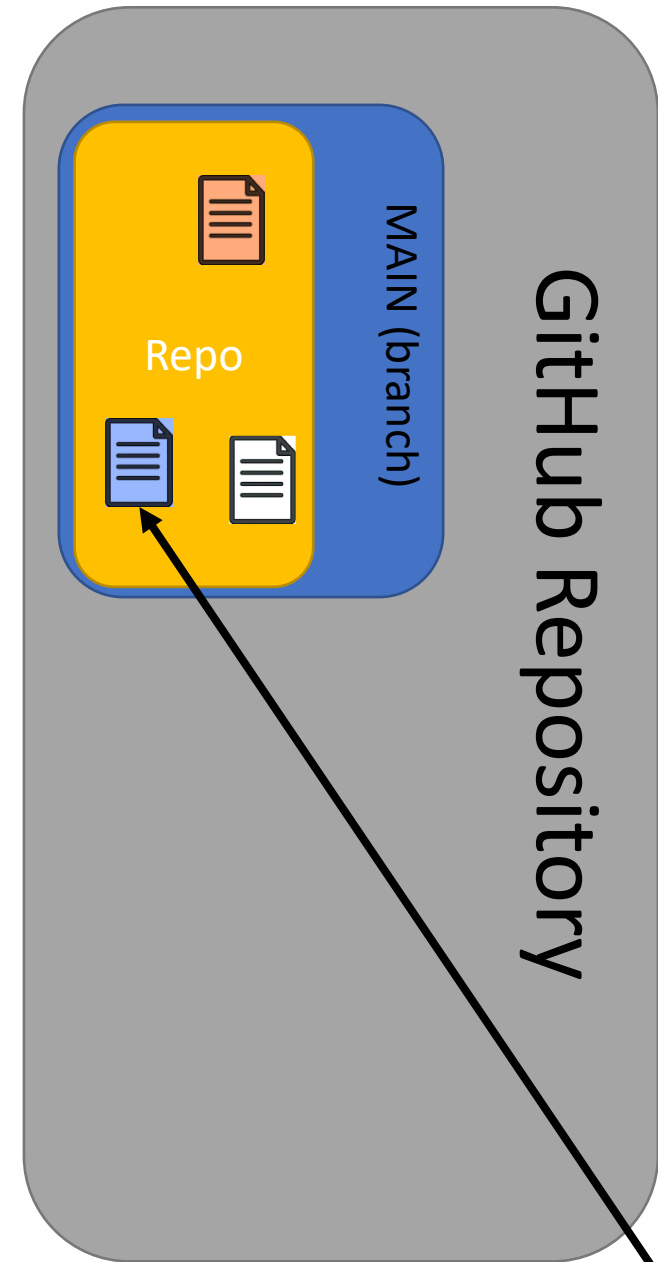
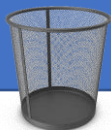
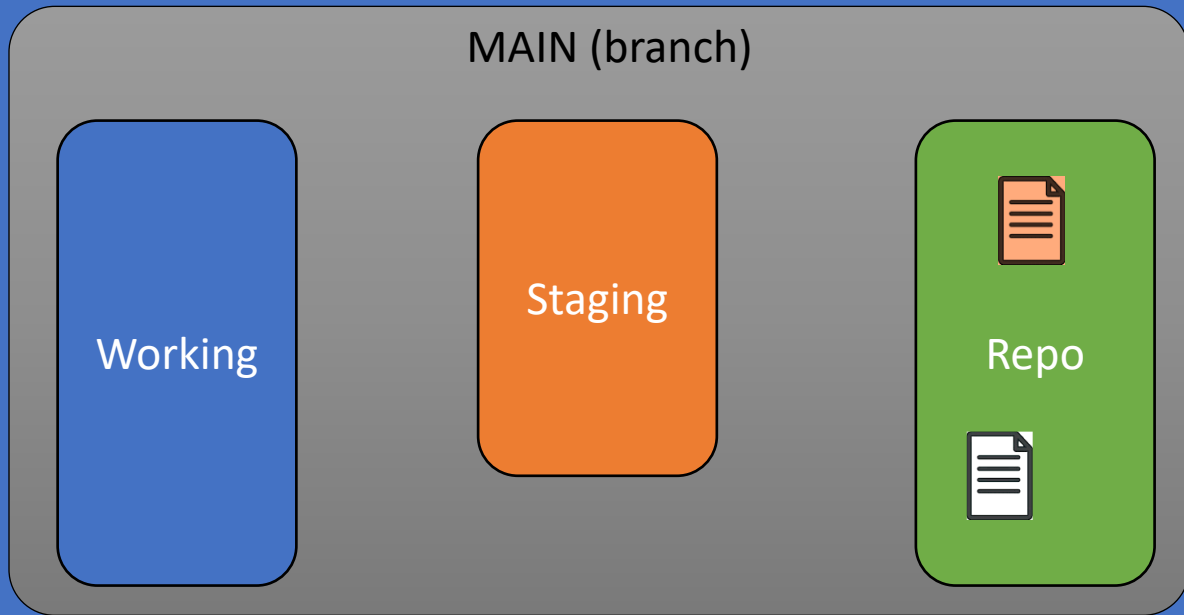
git push



GitHub Repository

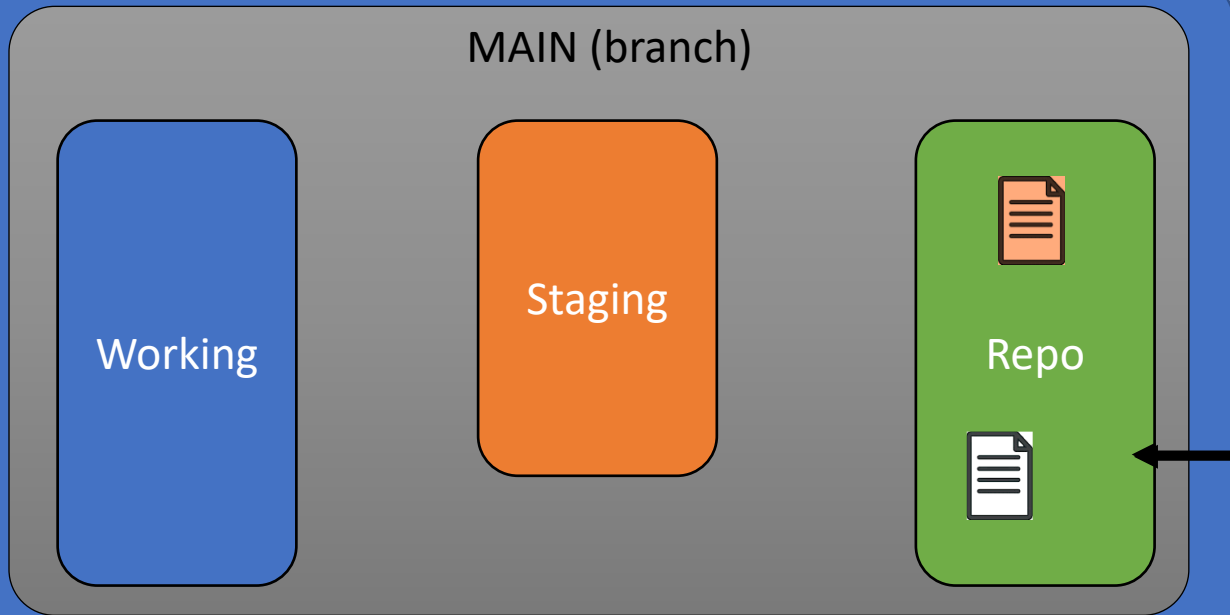


Local Repository

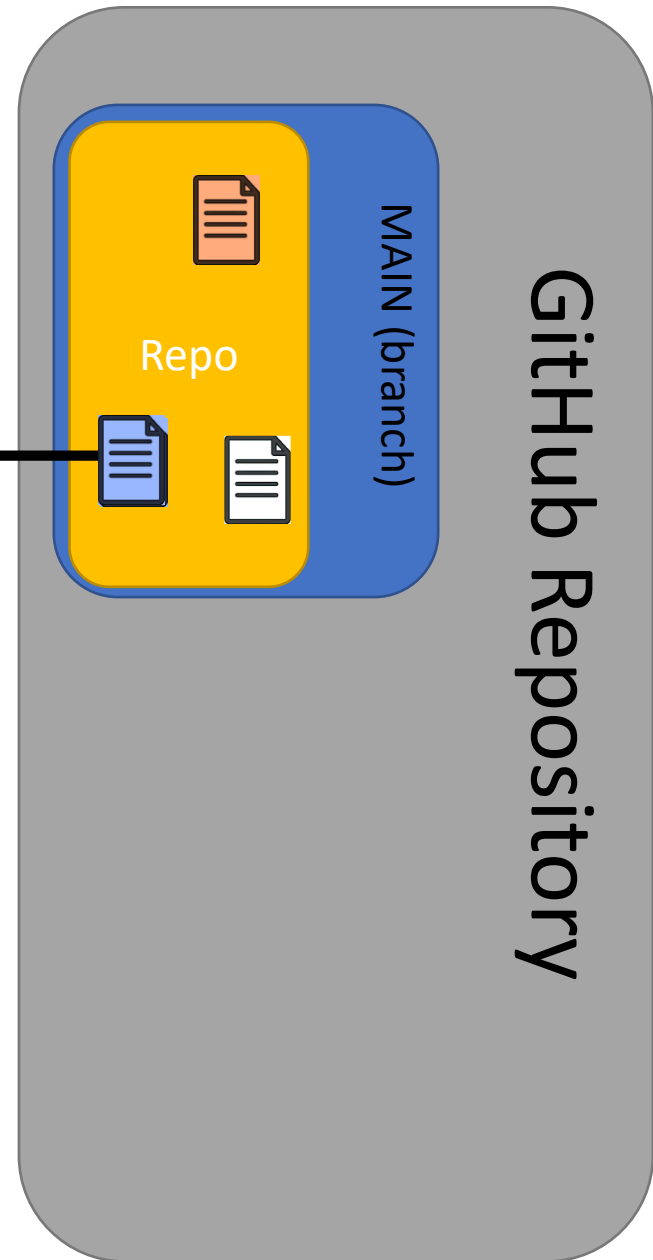


File added by someone else

Local Repository



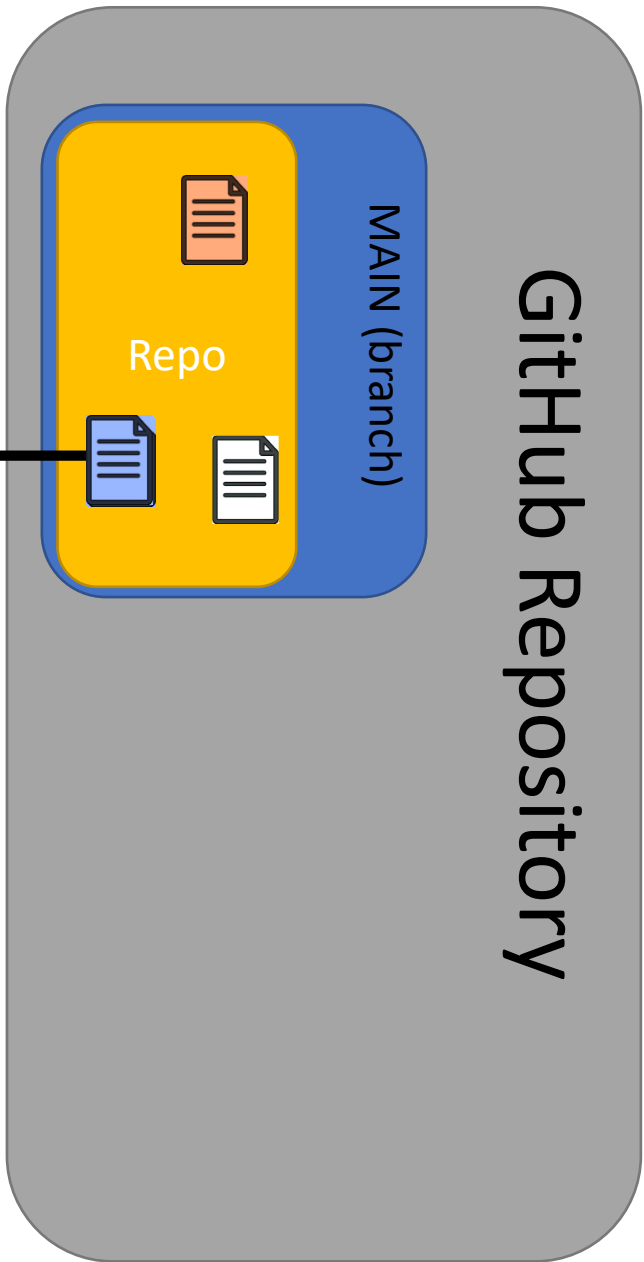
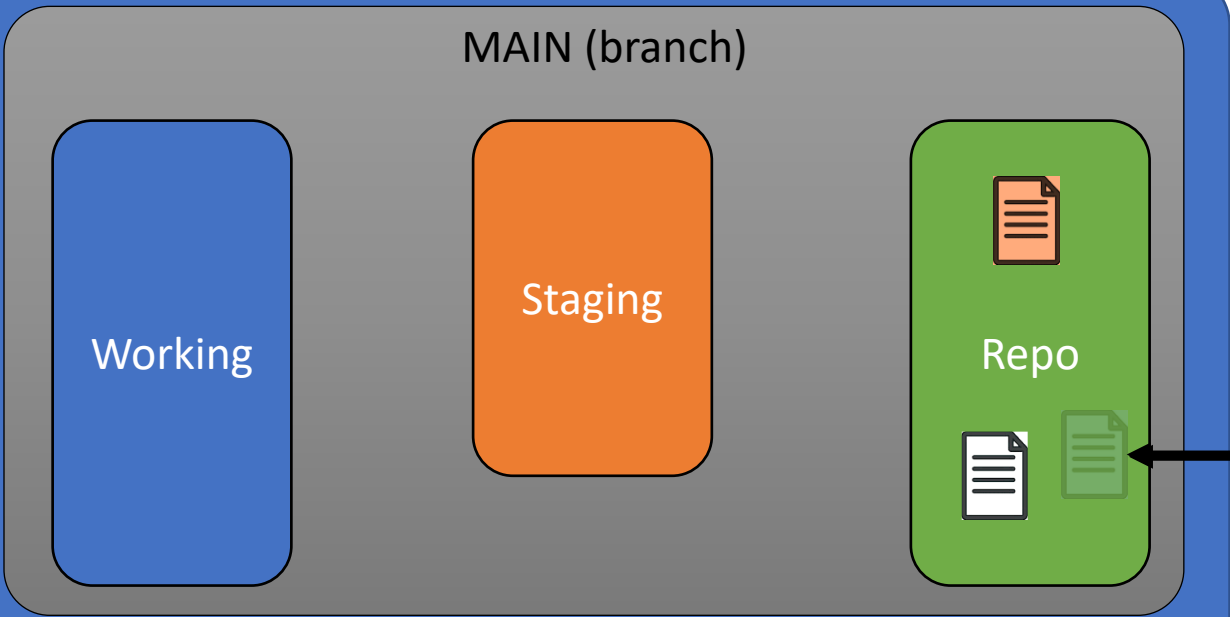
git fetch



GitHub Repository



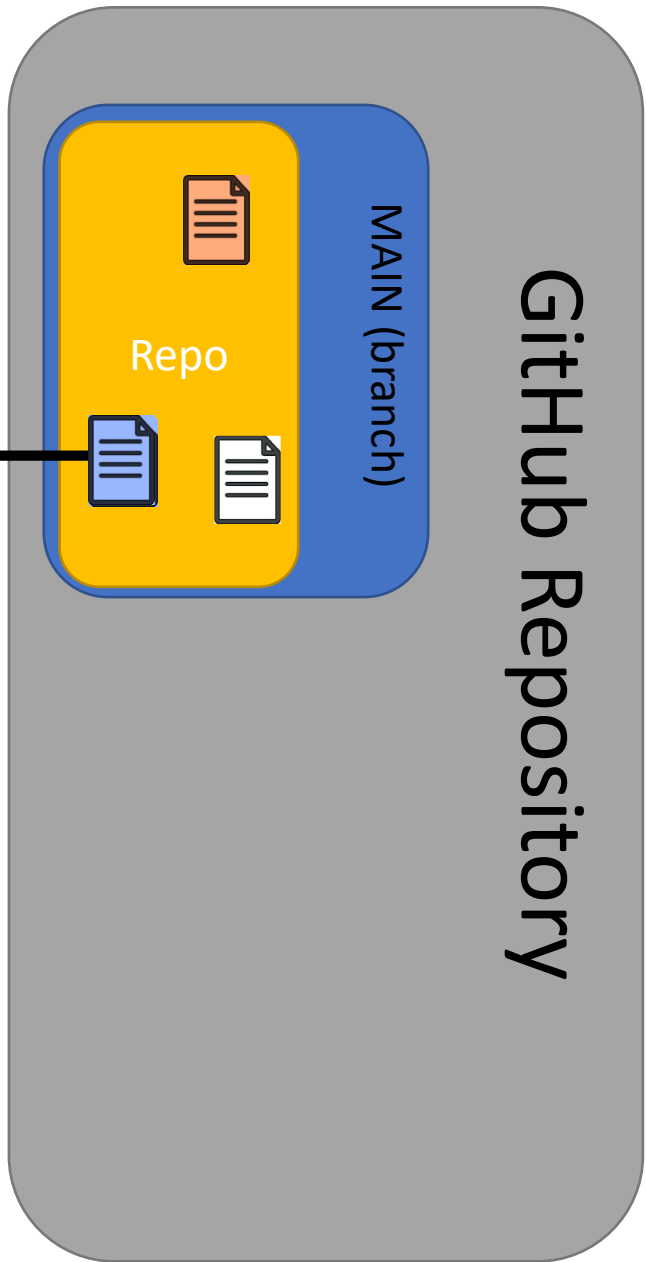
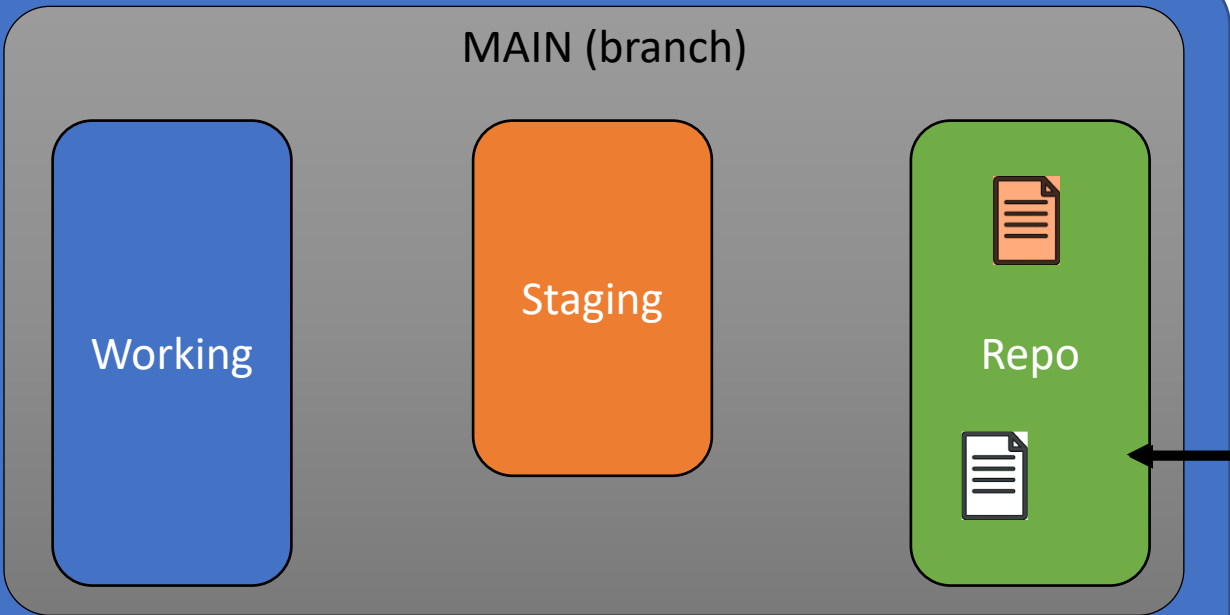
Local Repository



git fetch



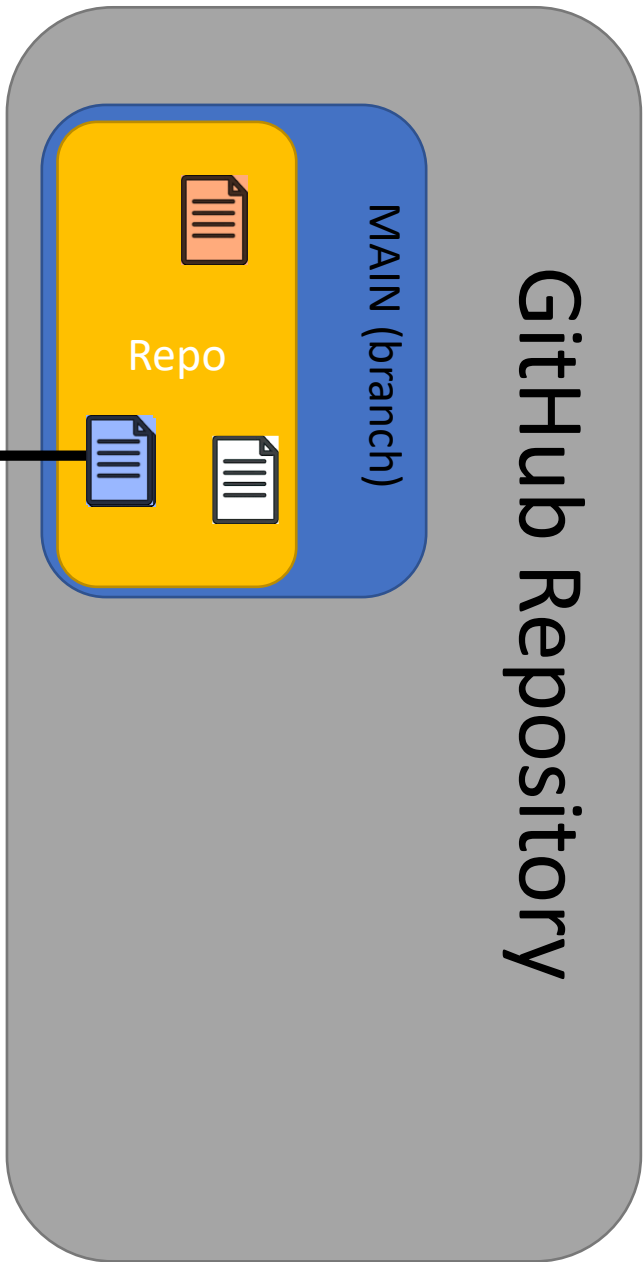
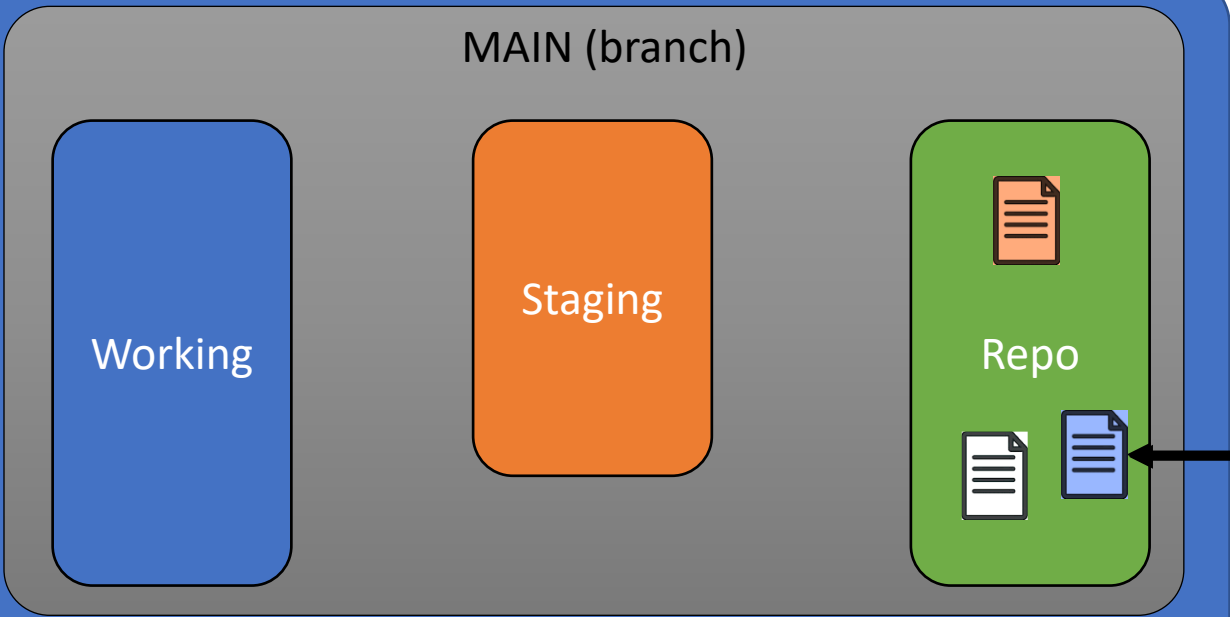
Local Repository



git pull



Local Repository



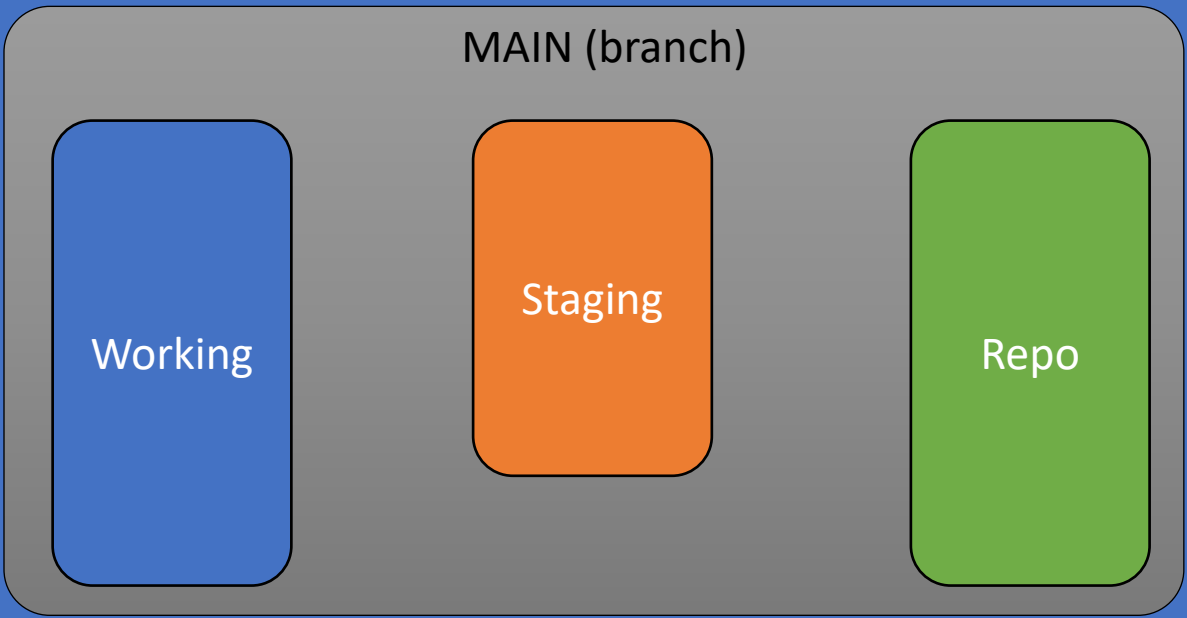
git pull



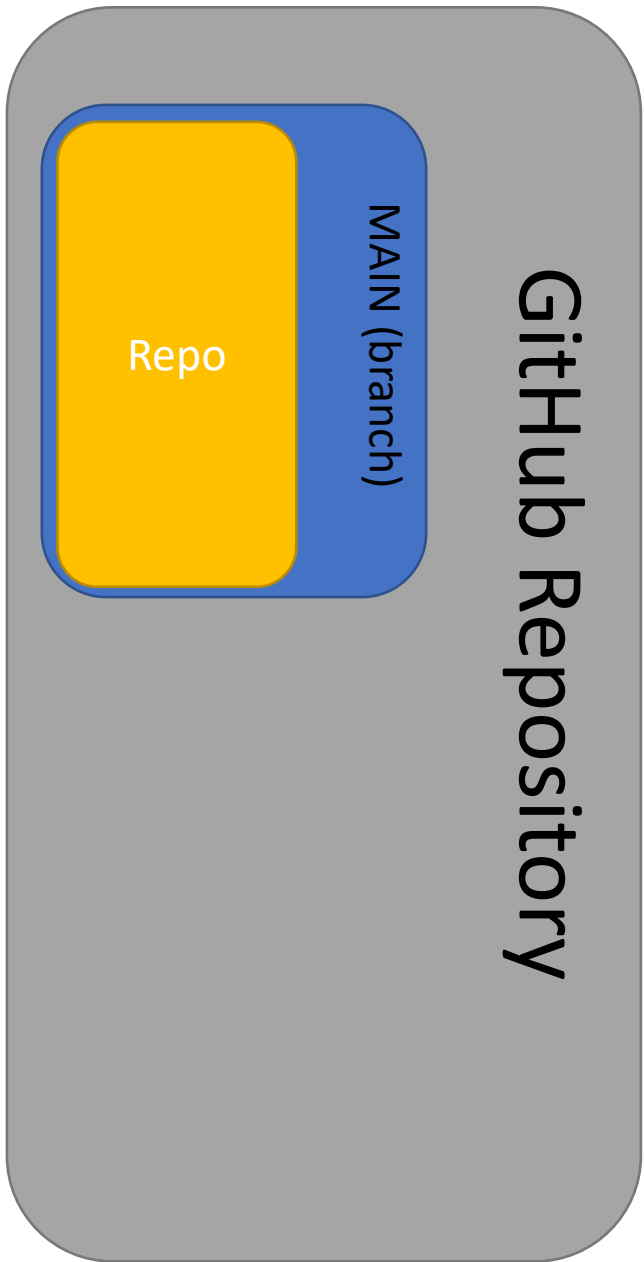
Using git with multiple branches

- git branch *newbranchname*
- git checkout *newbranchname*
- git add . (or git add filename)
- git commit -m "One line description of what was changed"
- git push
- Pull request (*from the GitHub side*)
- Merge (*from the GitHub side*)
- git pull

Local Repository



GitHub Repository



Local Repository

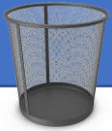
git branch "changes"

Working

MAIN (branch)

Staging

Repo



GitHub Repository

MAIN (branch)

Repo

Local Repository

git branch "changes"

Working

MAIN (branch)

Staging

Repo

Working

Staging

Repo

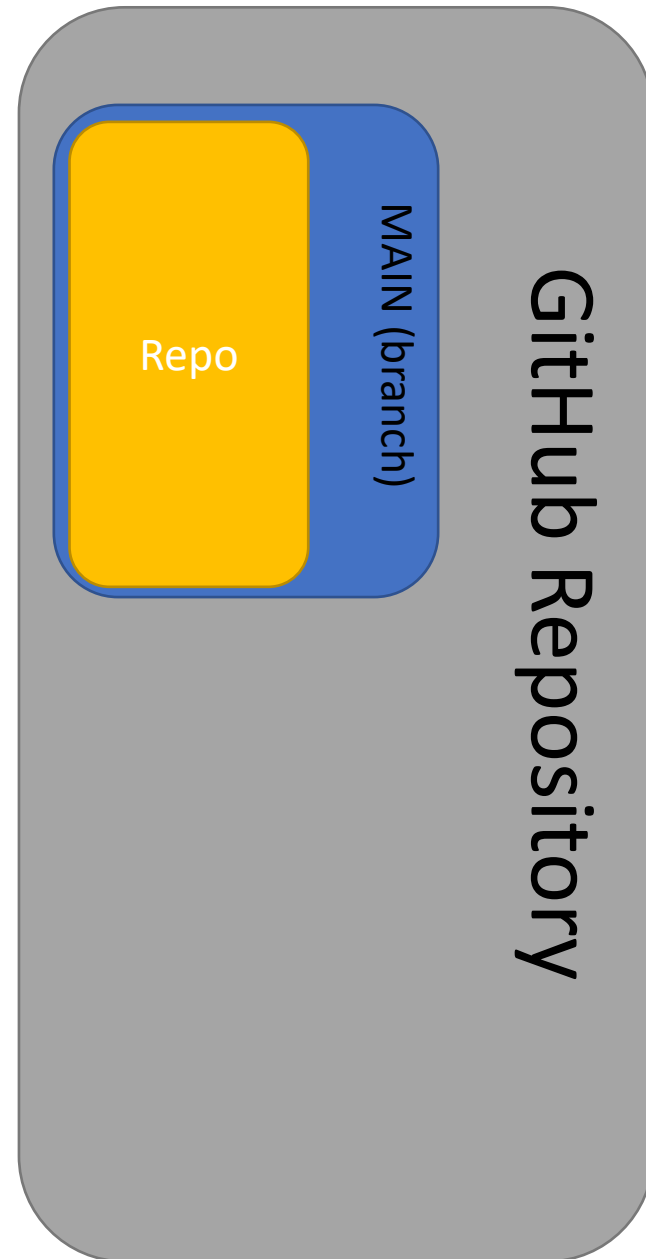
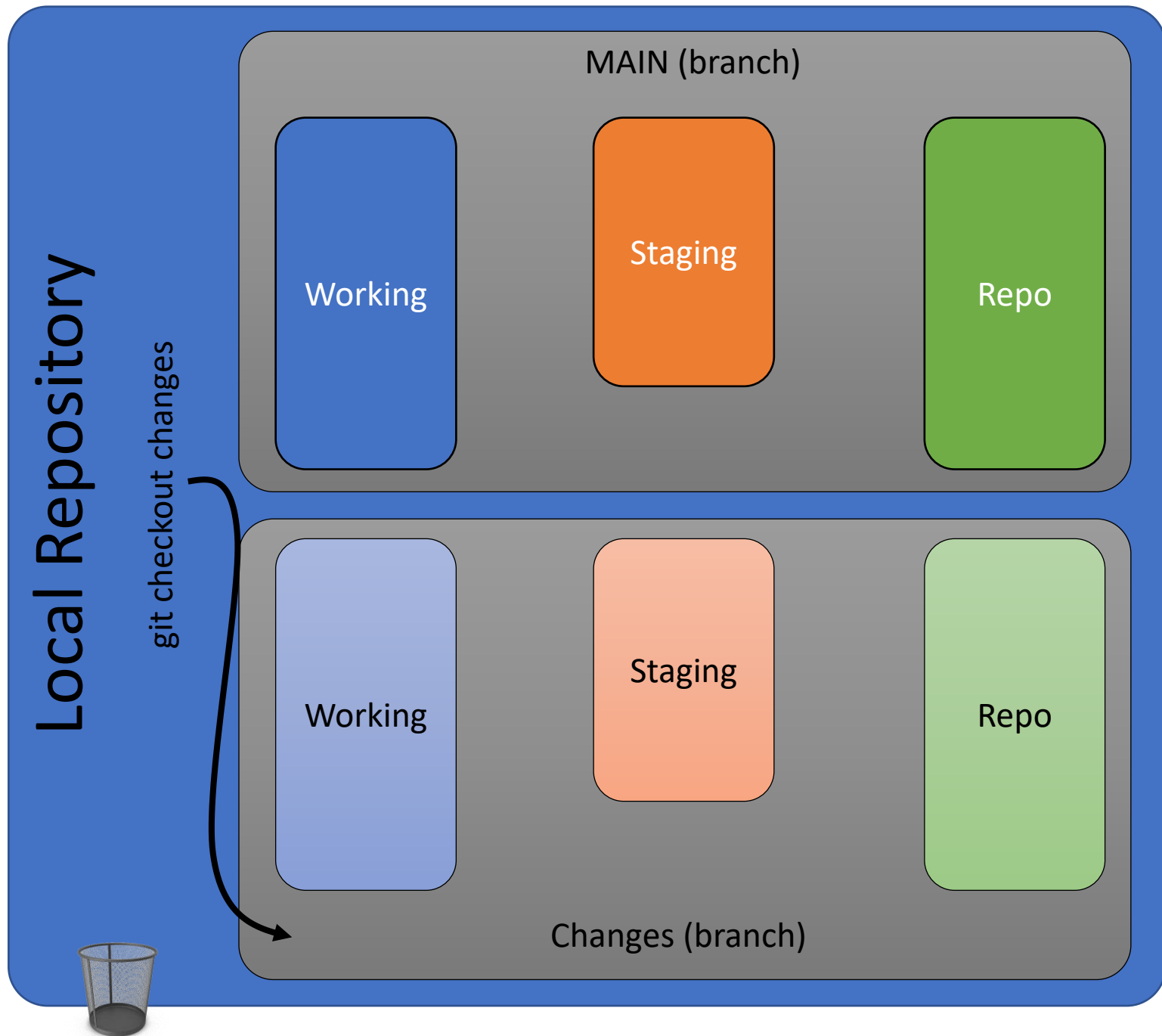
Changes (branch)



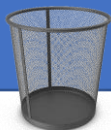
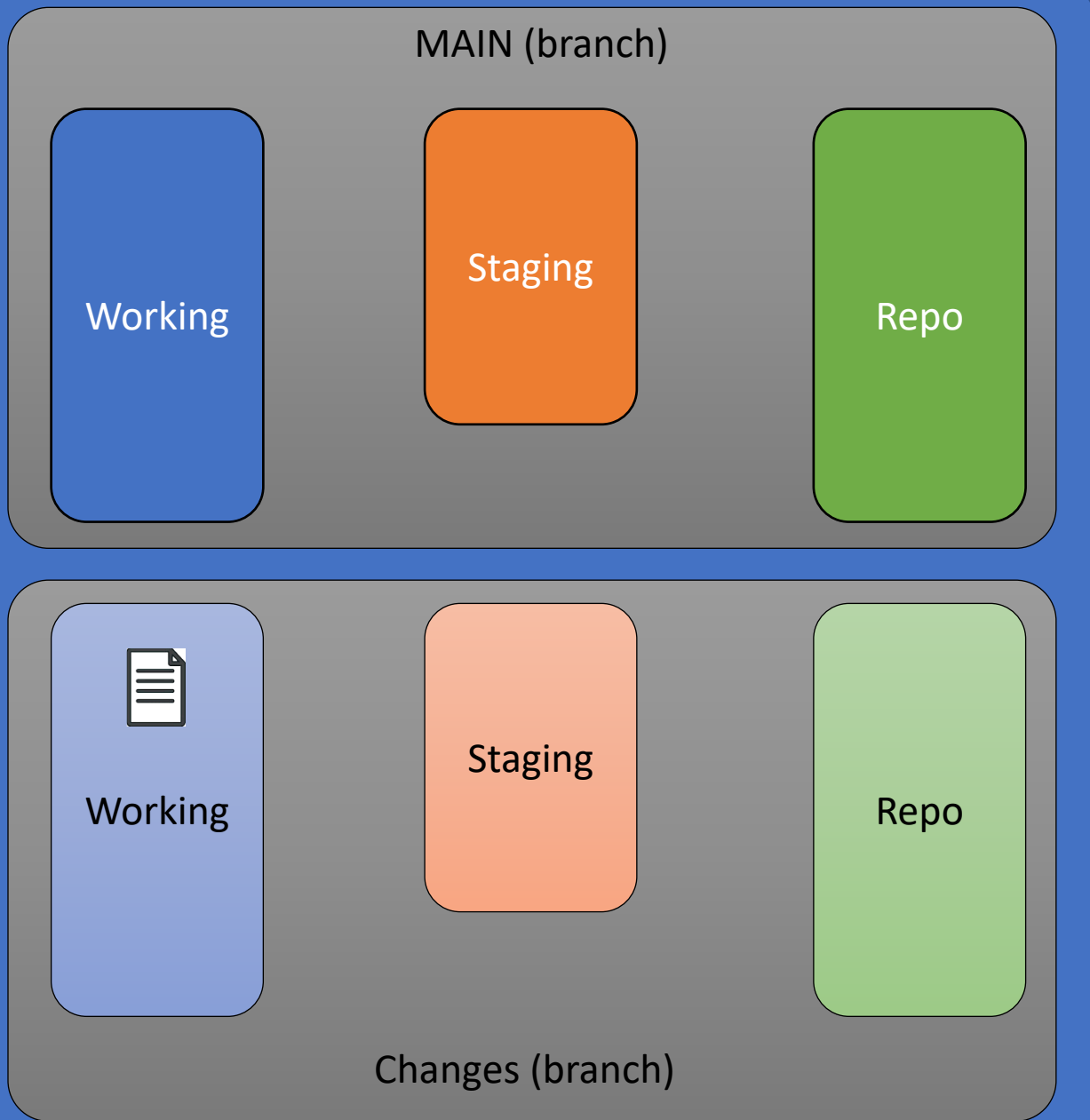
Repo

MAIN (branch)

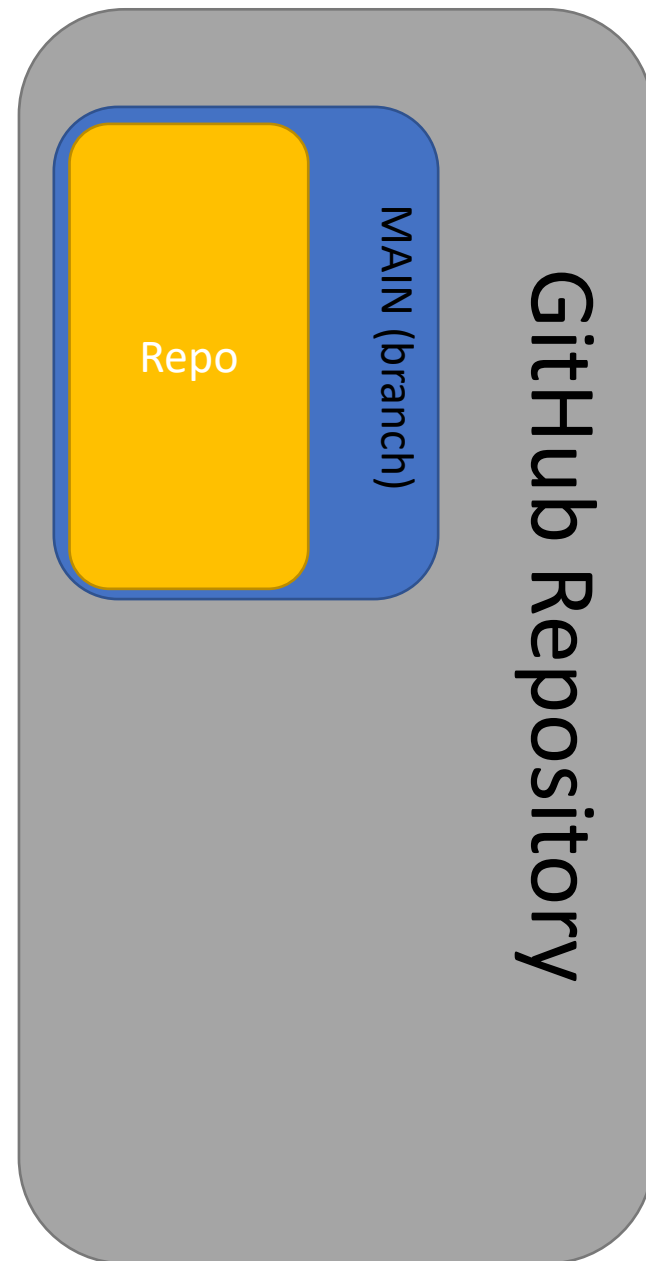
GitHub Repository



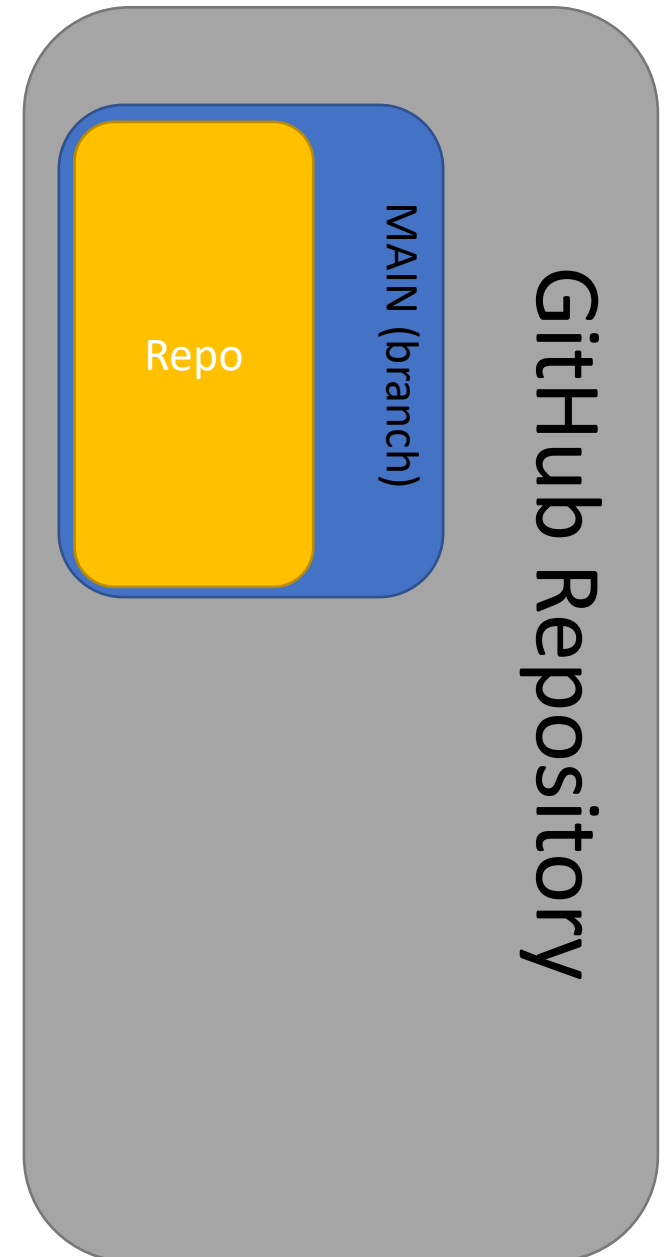
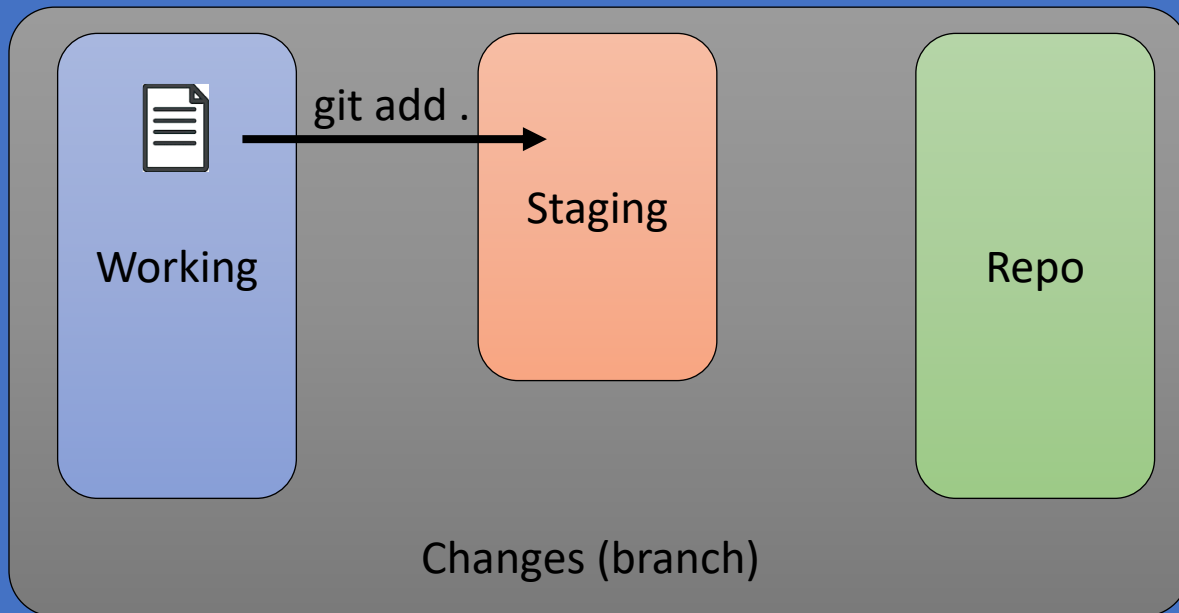
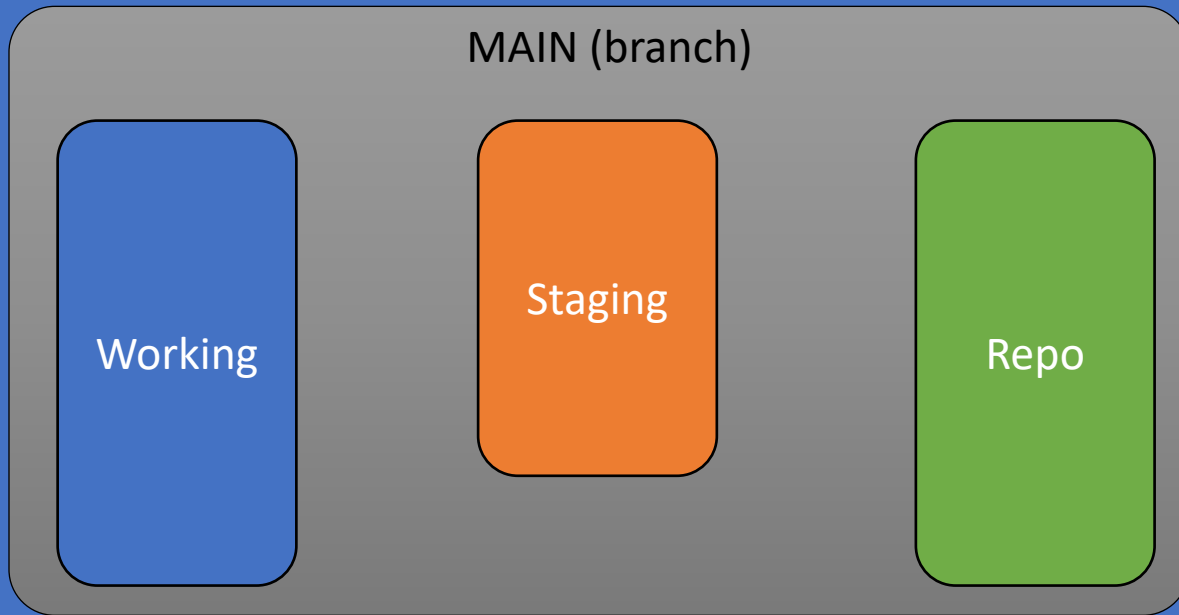
Local Repository



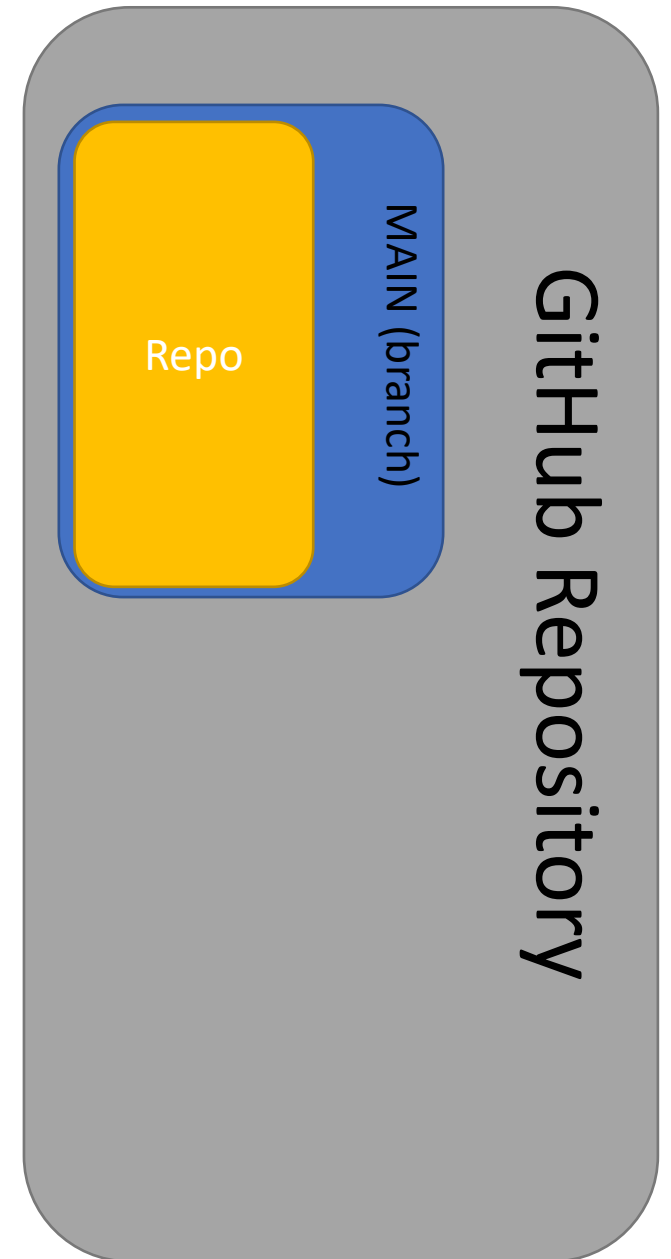
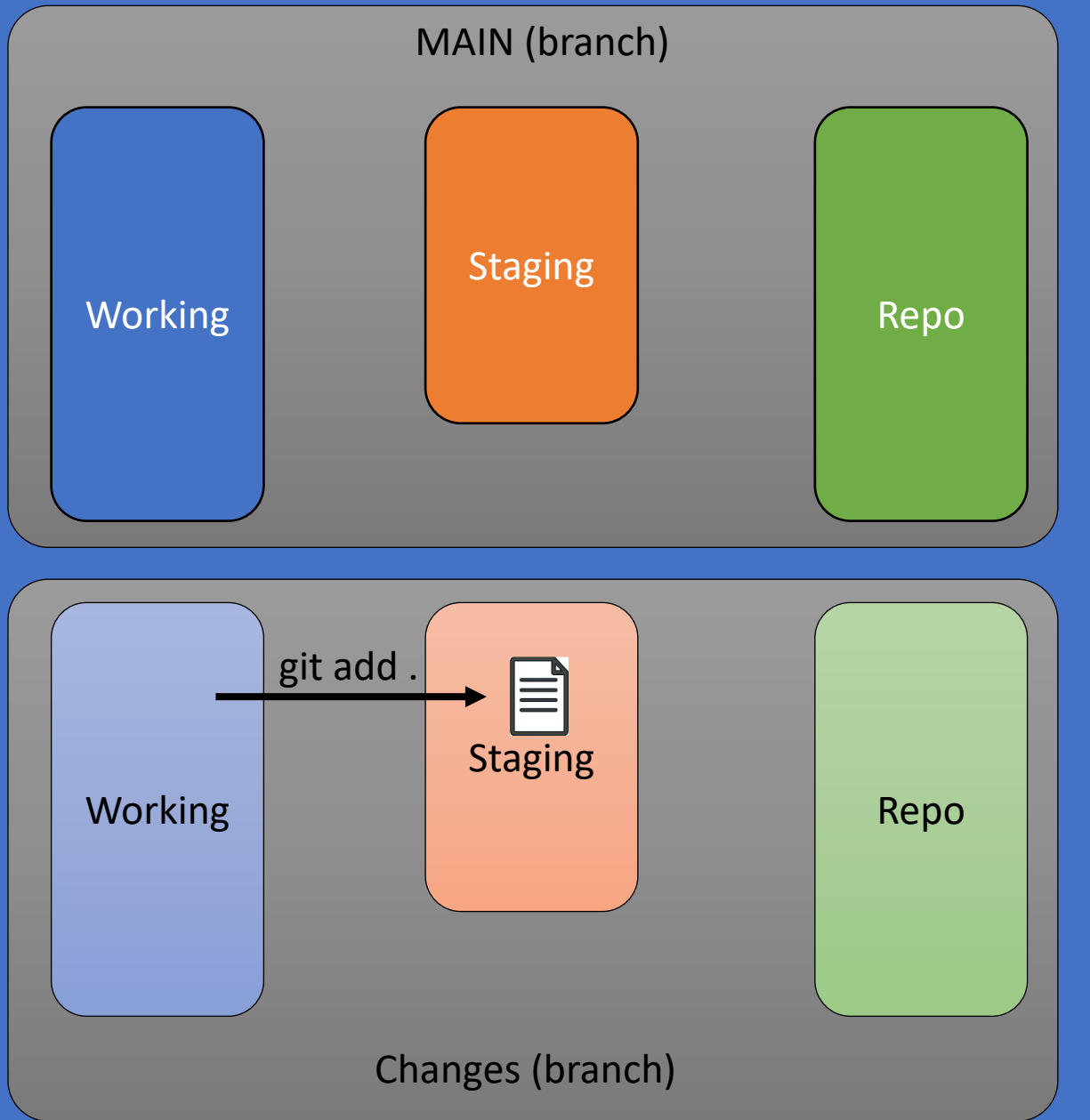
GitHub Repository



Local Repository

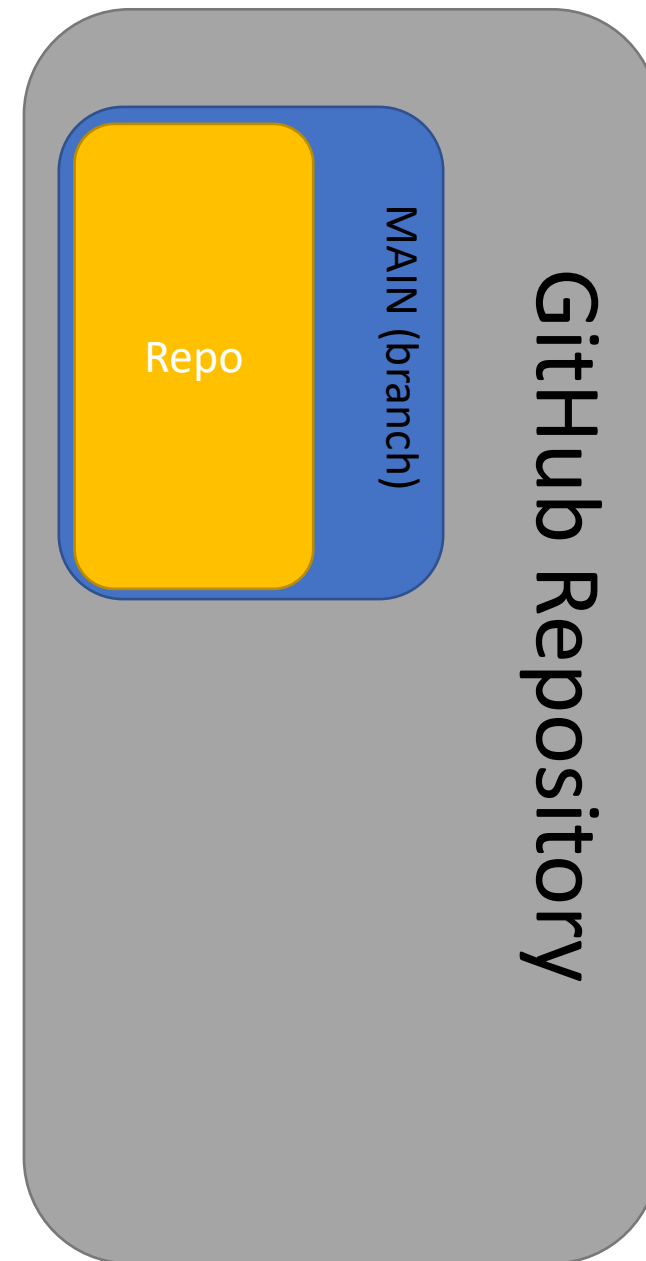
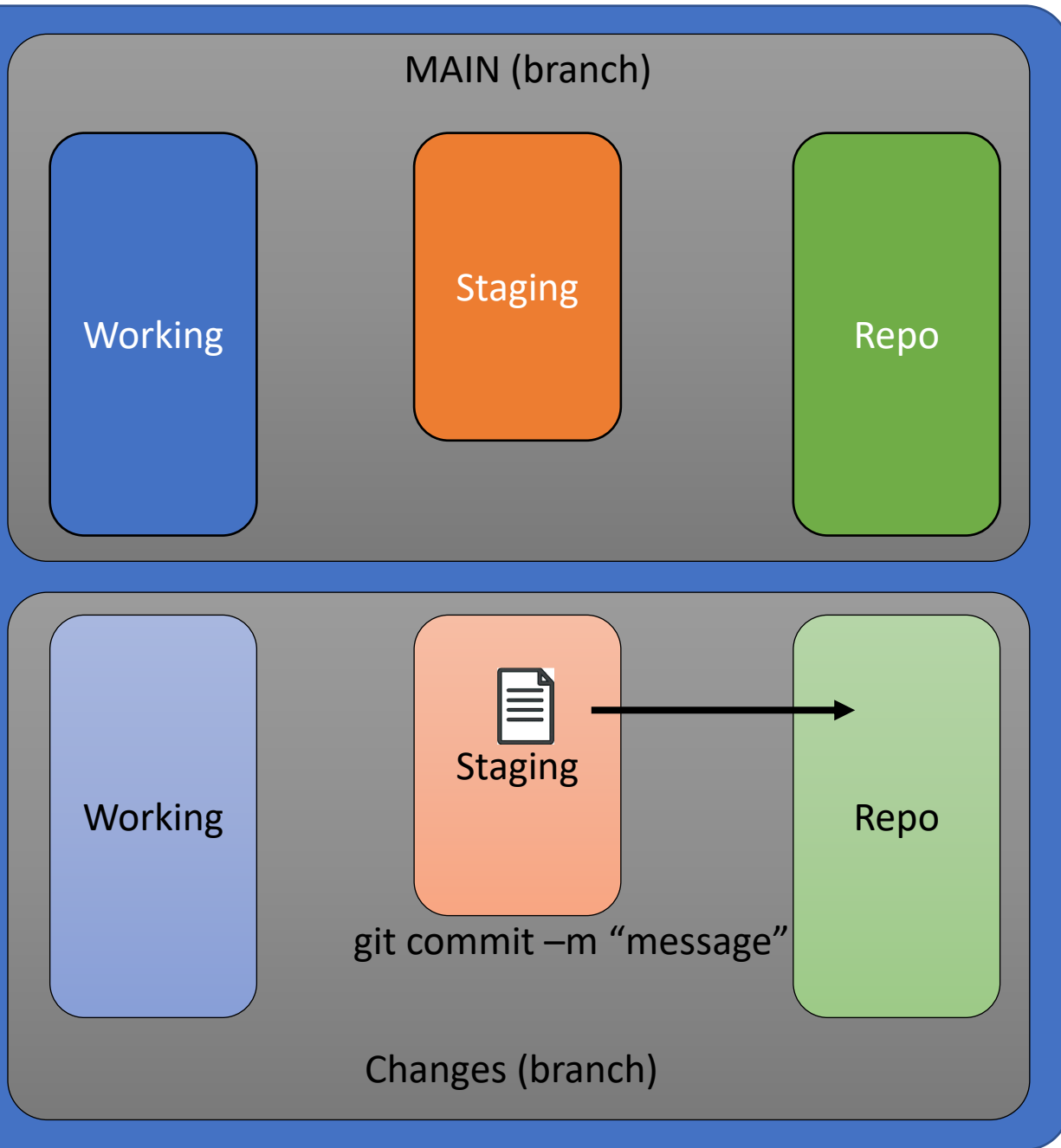


Local Repository

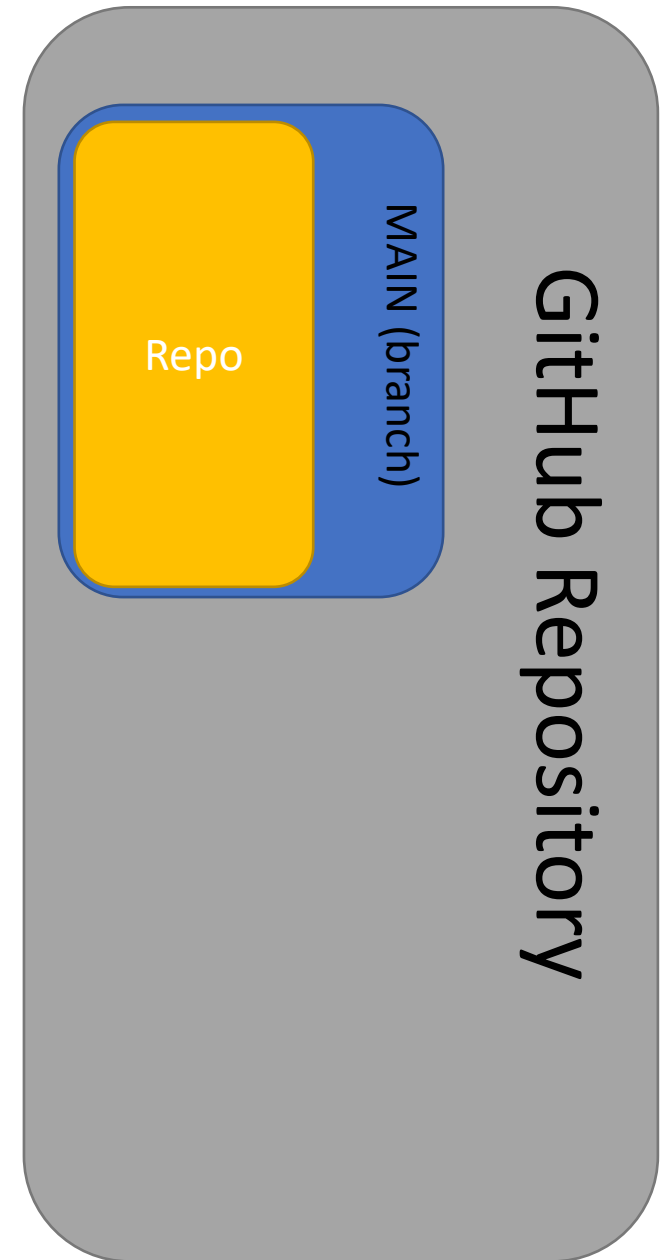
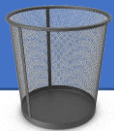
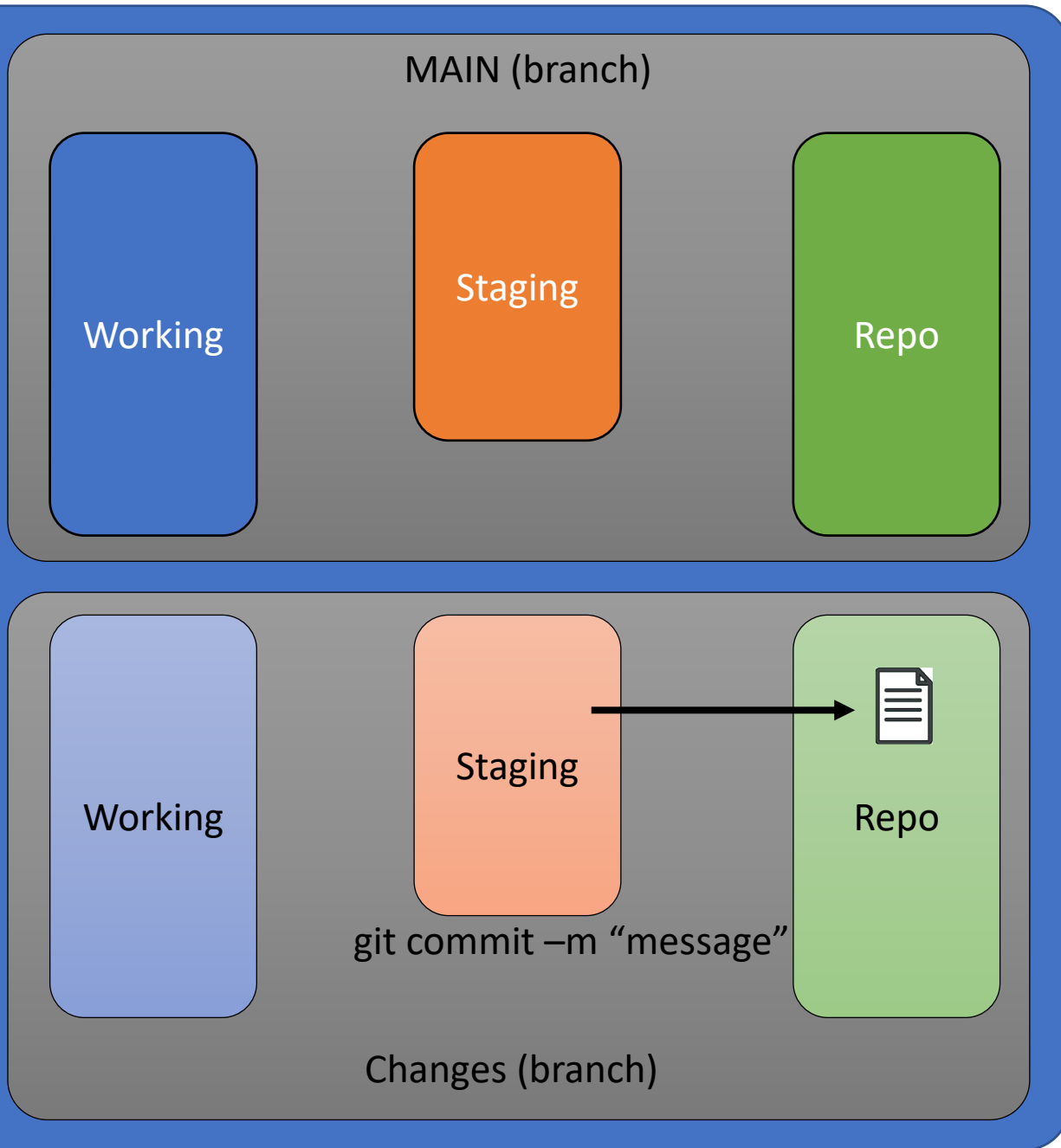


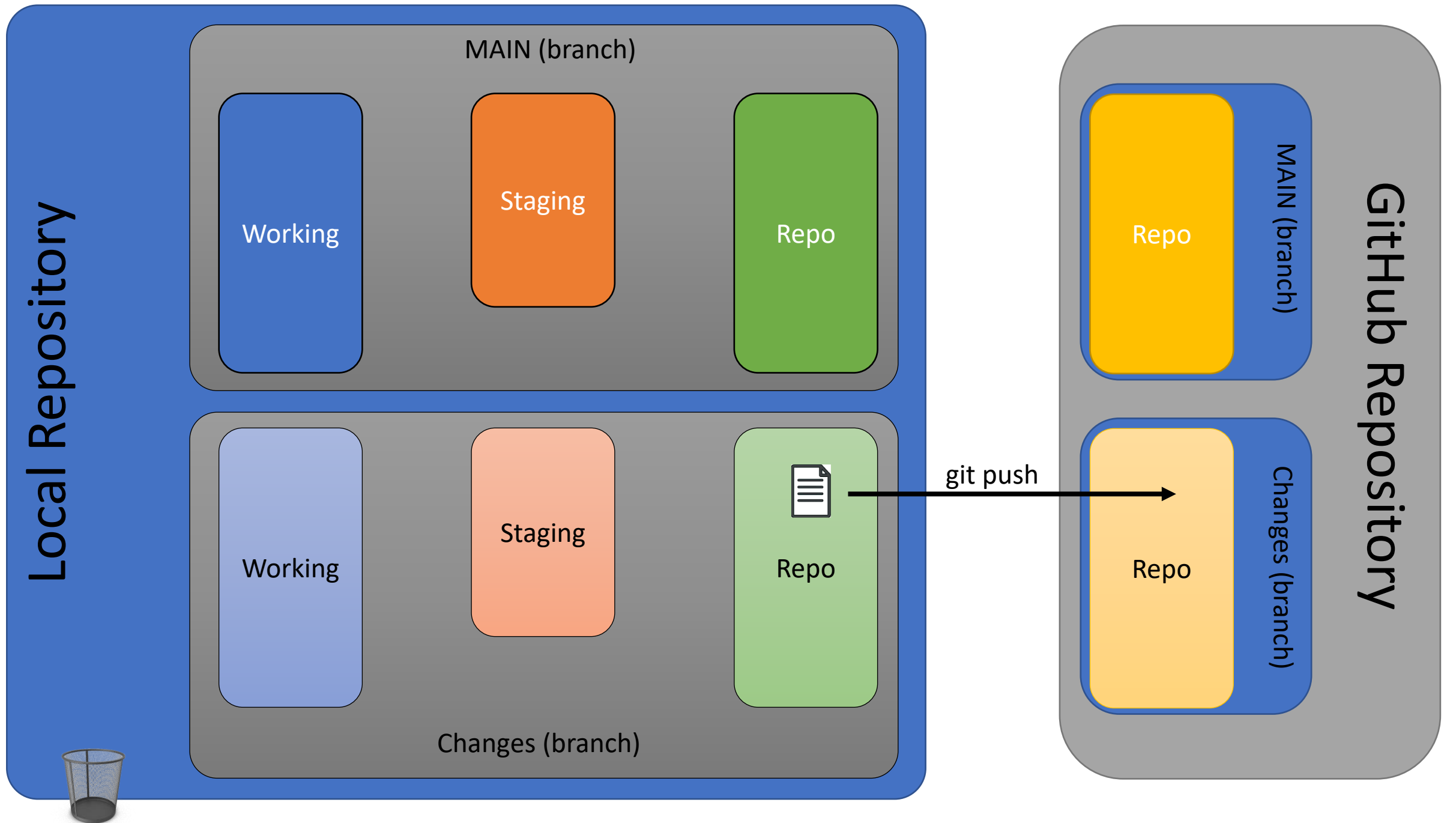
GitHub Repository

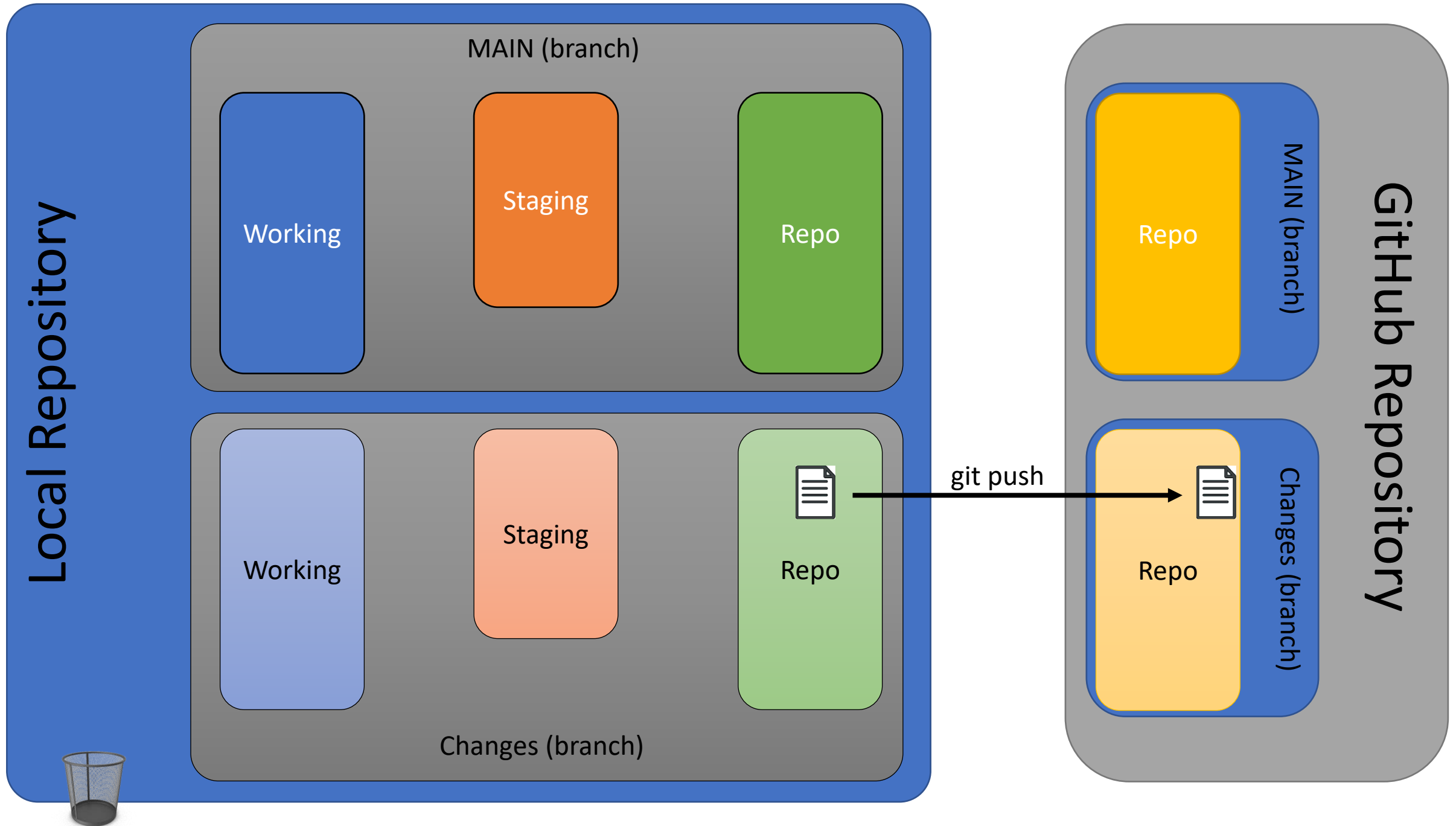
Local Repository



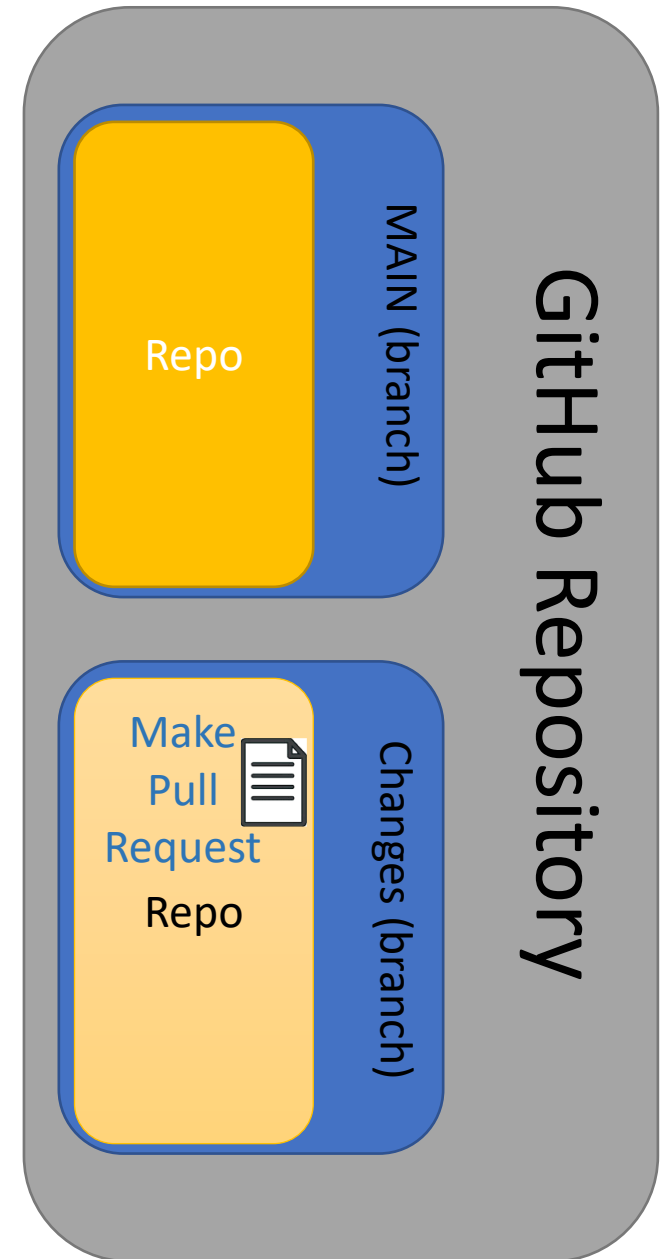
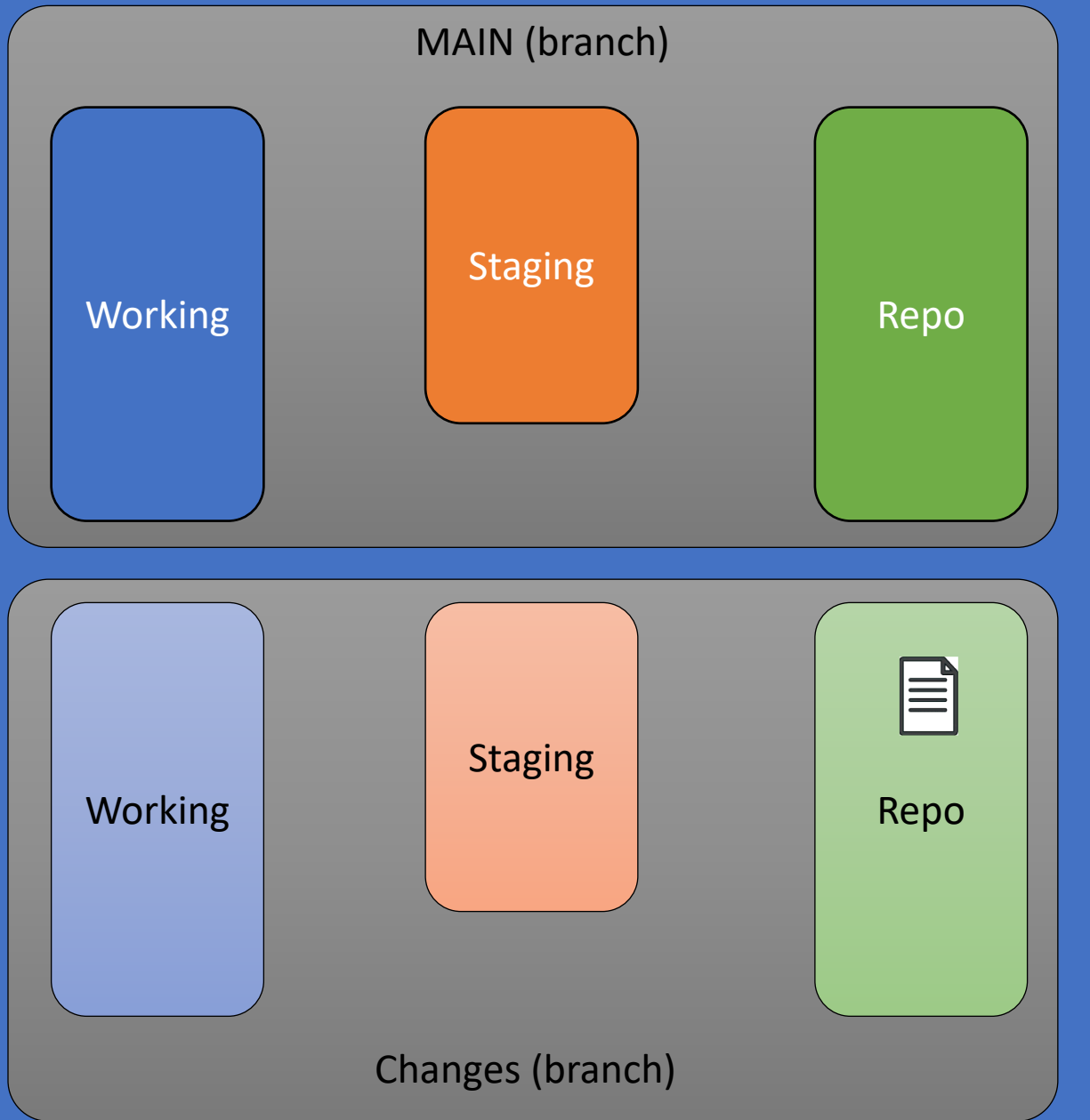
Local Repository



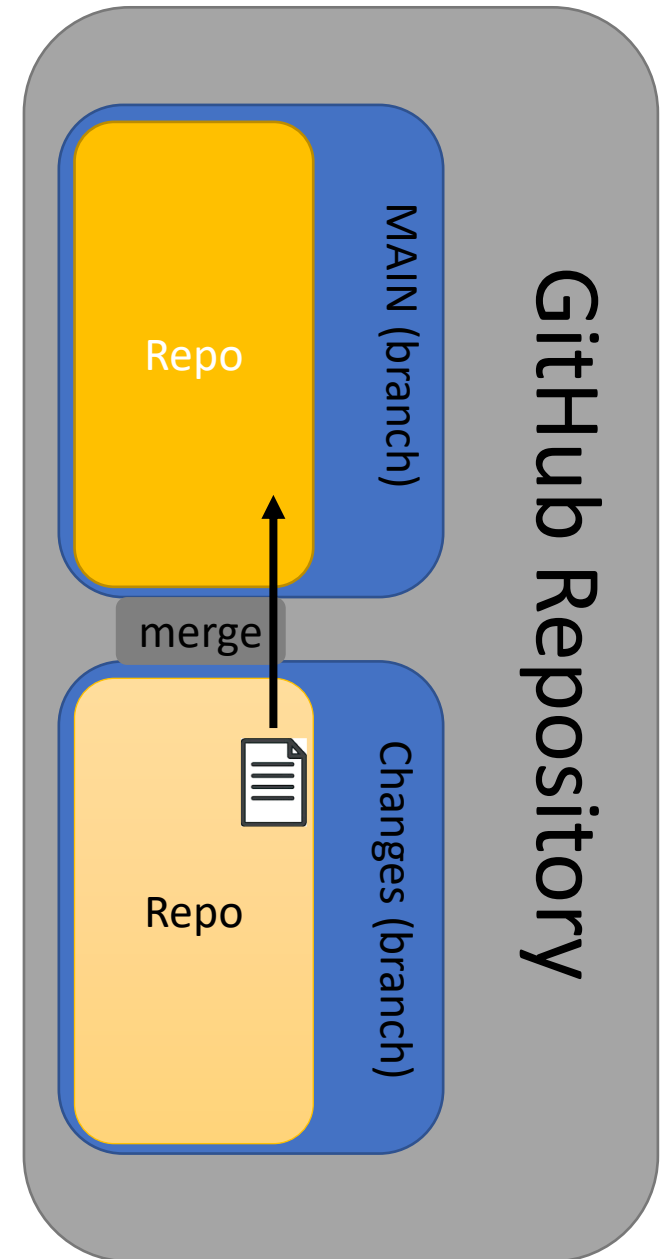
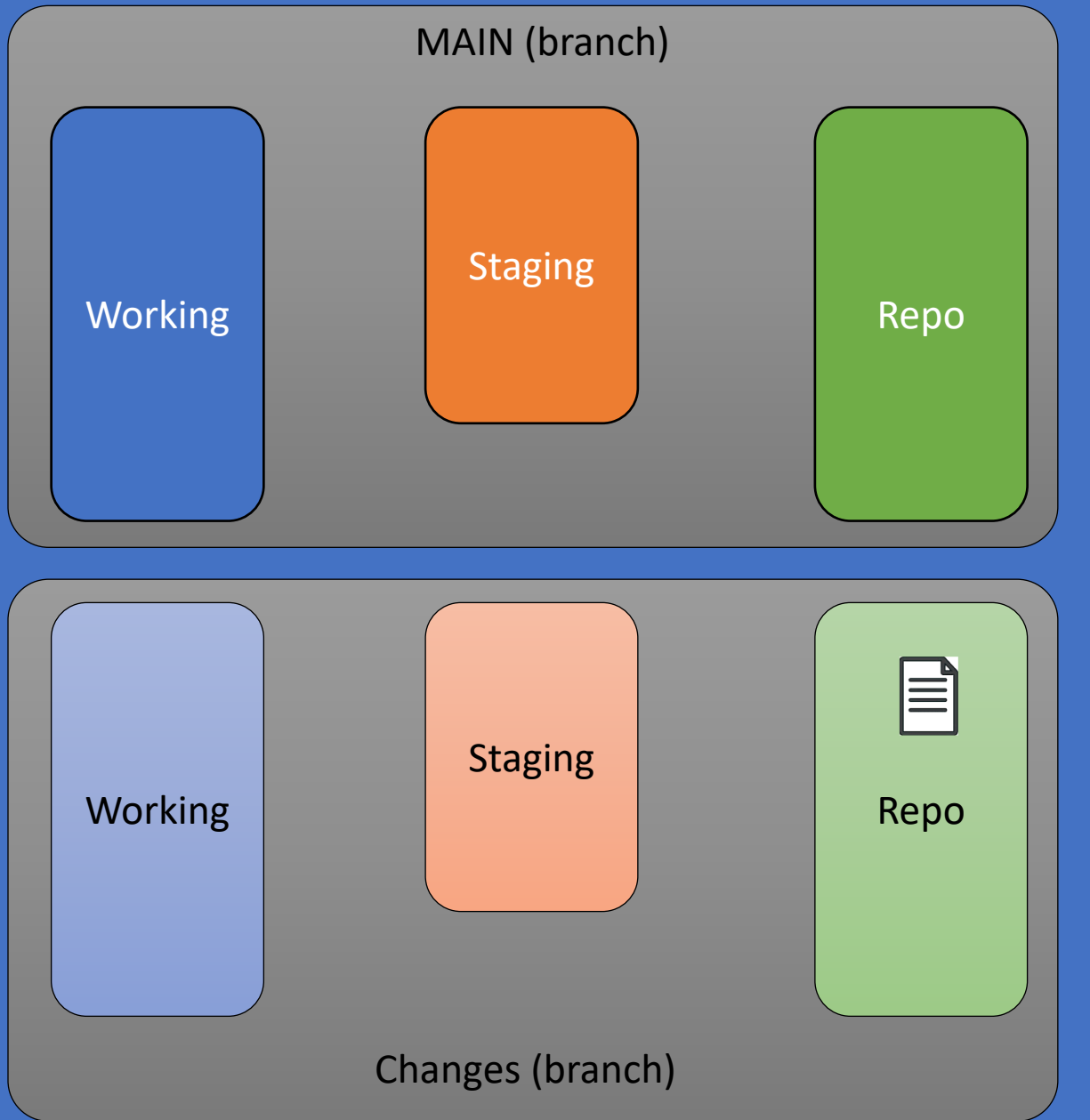
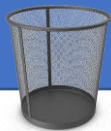




Local Repository



Local Repository



Local Repository

MAIN (branch)

Working

Staging

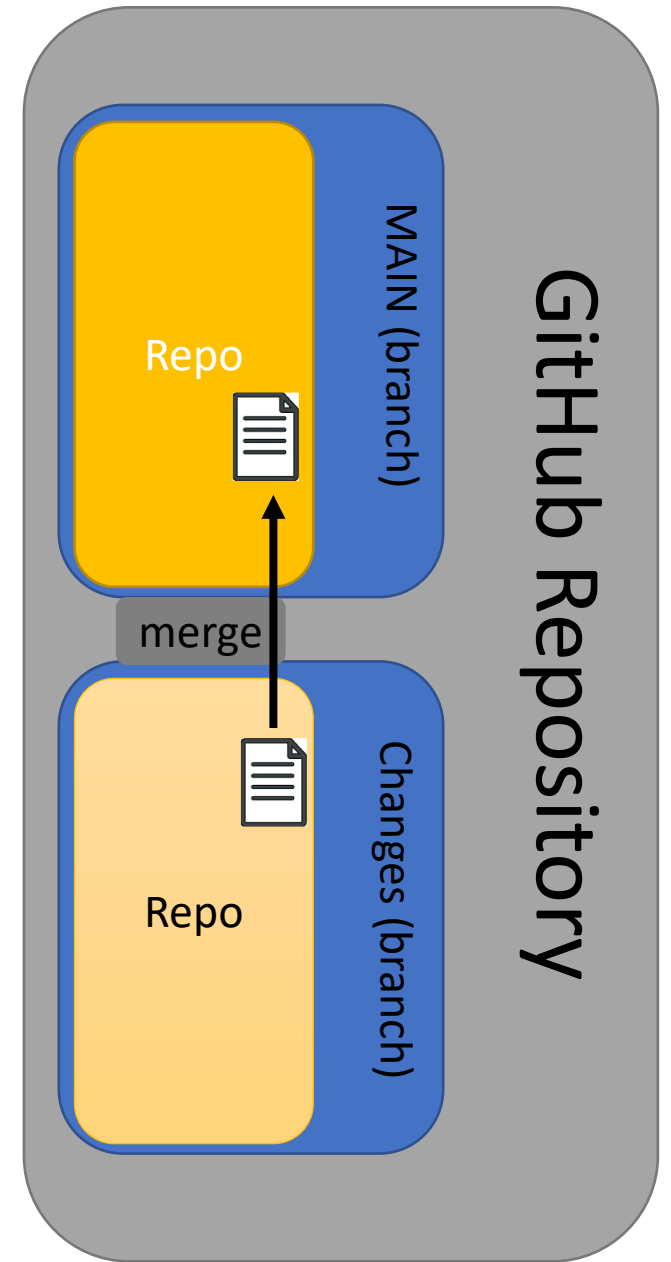
Repo

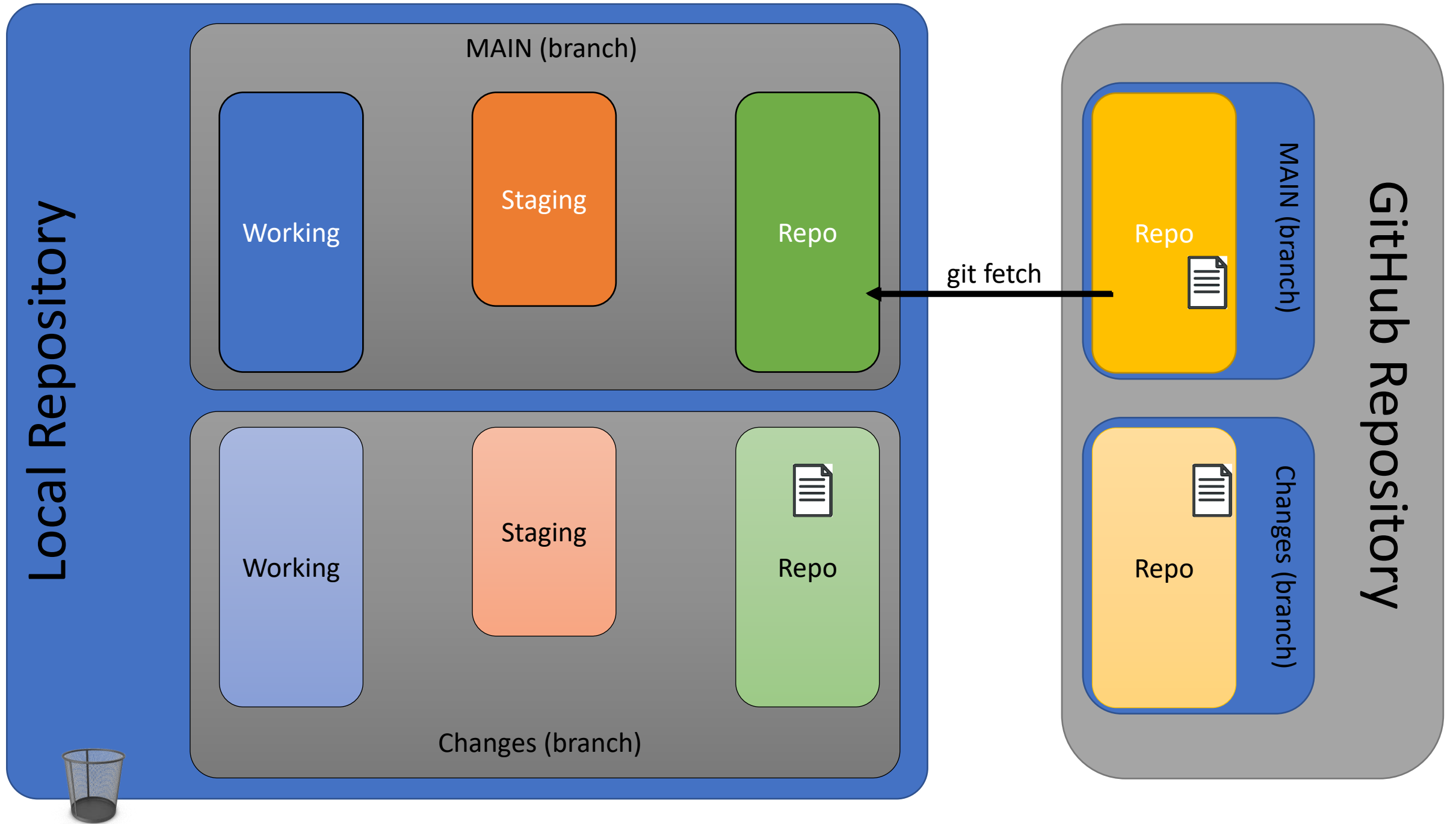
Working

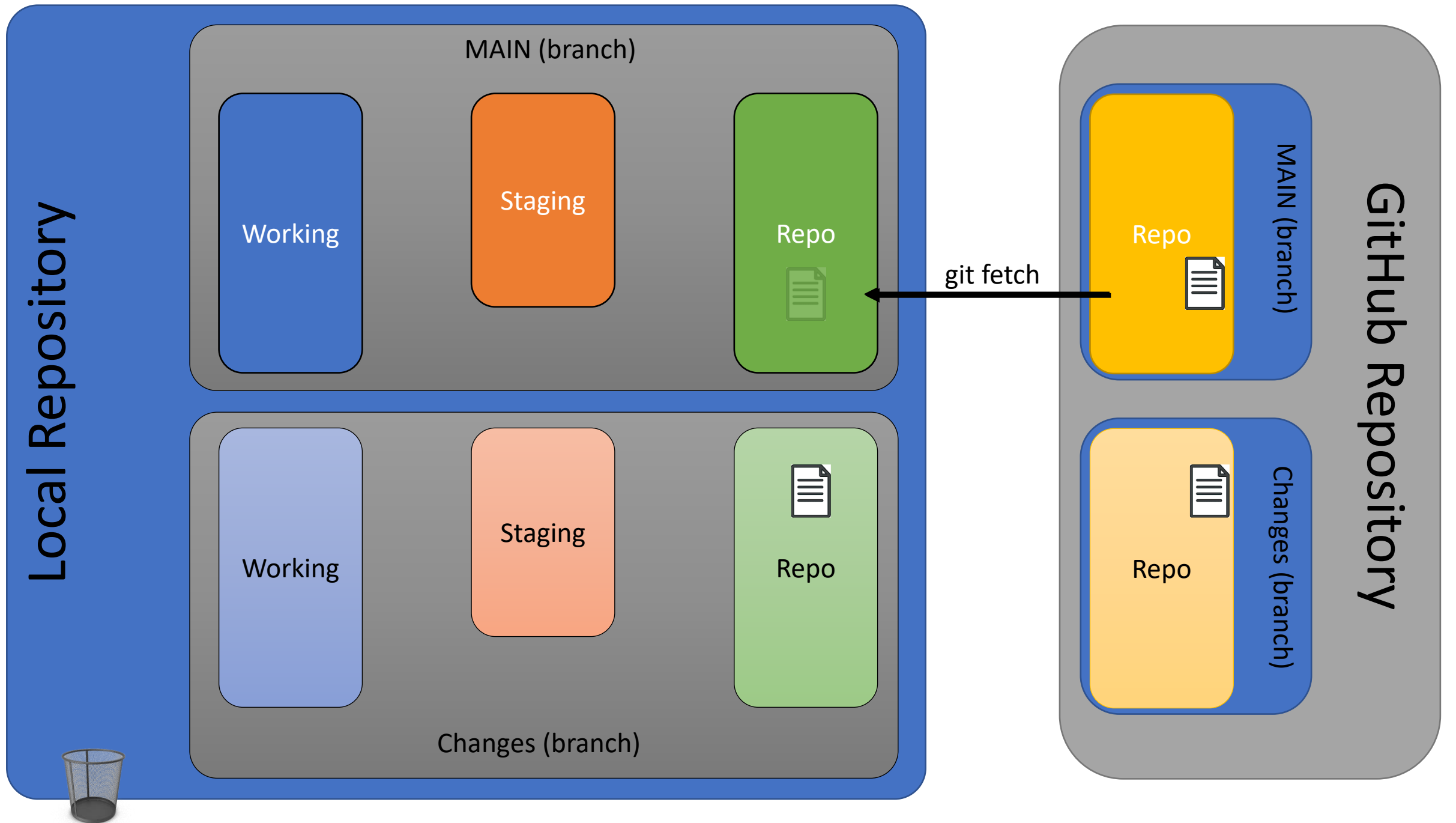
Staging

Repo

Changes (branch)







Local Repository

MAIN (branch)

Working

Staging

Repo

Working

Staging

Repo

Changes (branch)

git pull

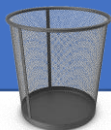
Repo

MAIN (branch)

Repo

Changes (branch)

GitHub Repository



Local Repository

MAIN (branch)

Working

Staging

Repo



Working

Staging

Repo



Changes (branch)

git pull

GitHub Repository

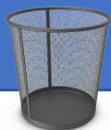
MAIN (branch)

Repo

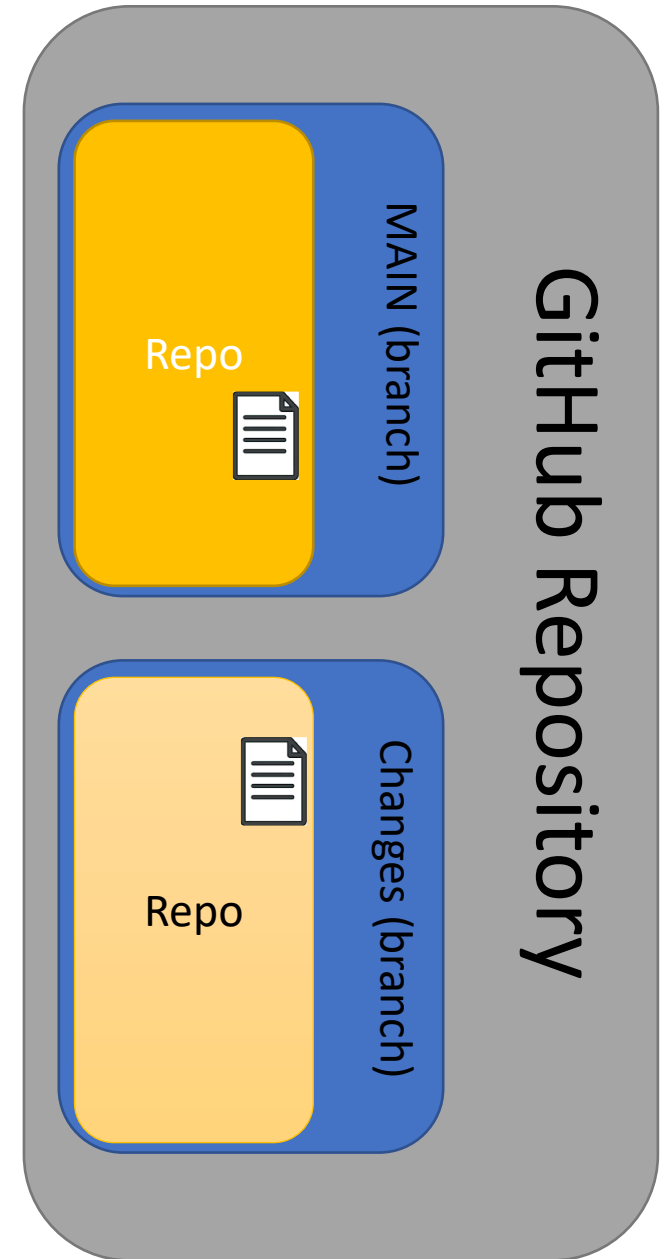
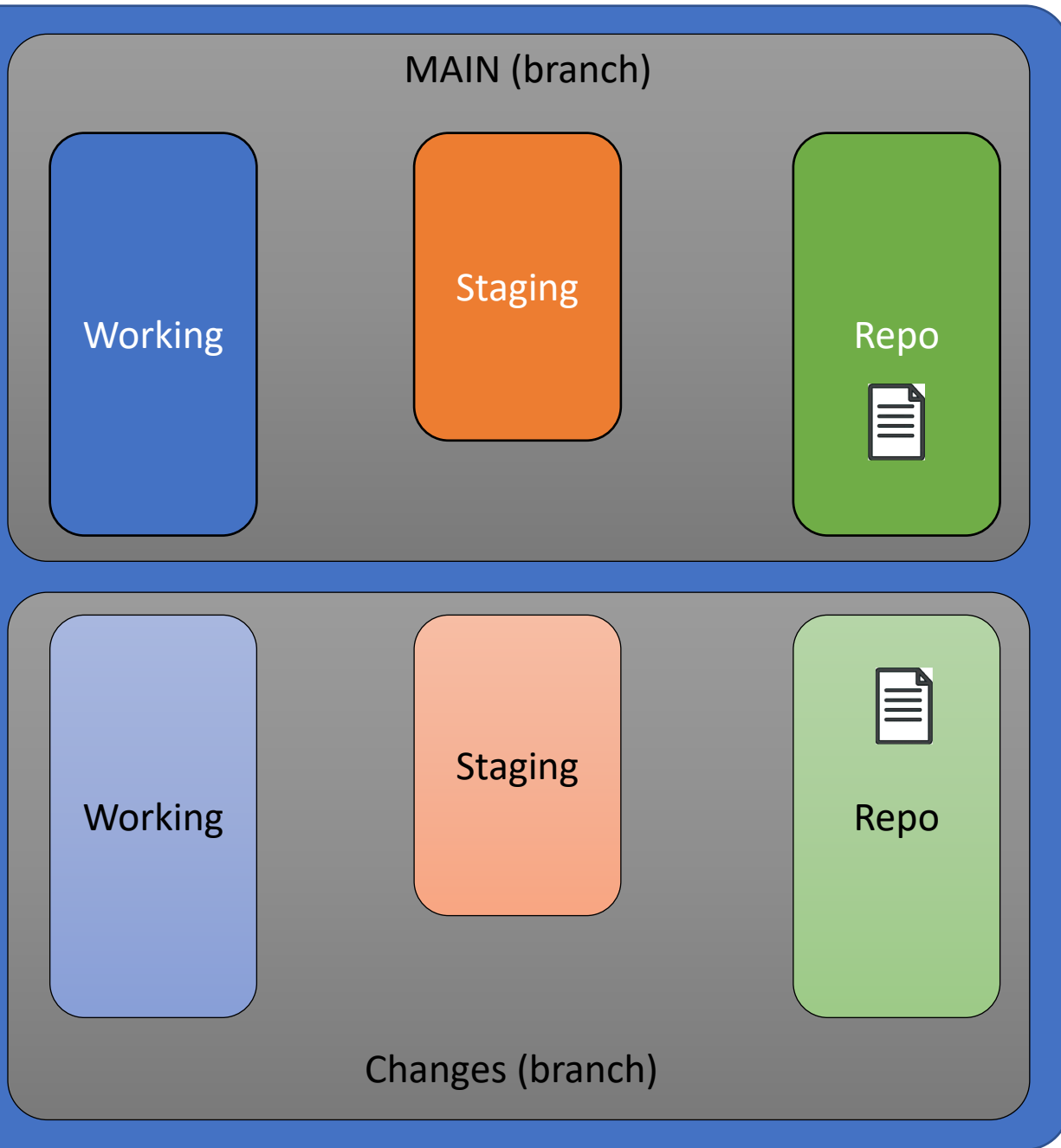


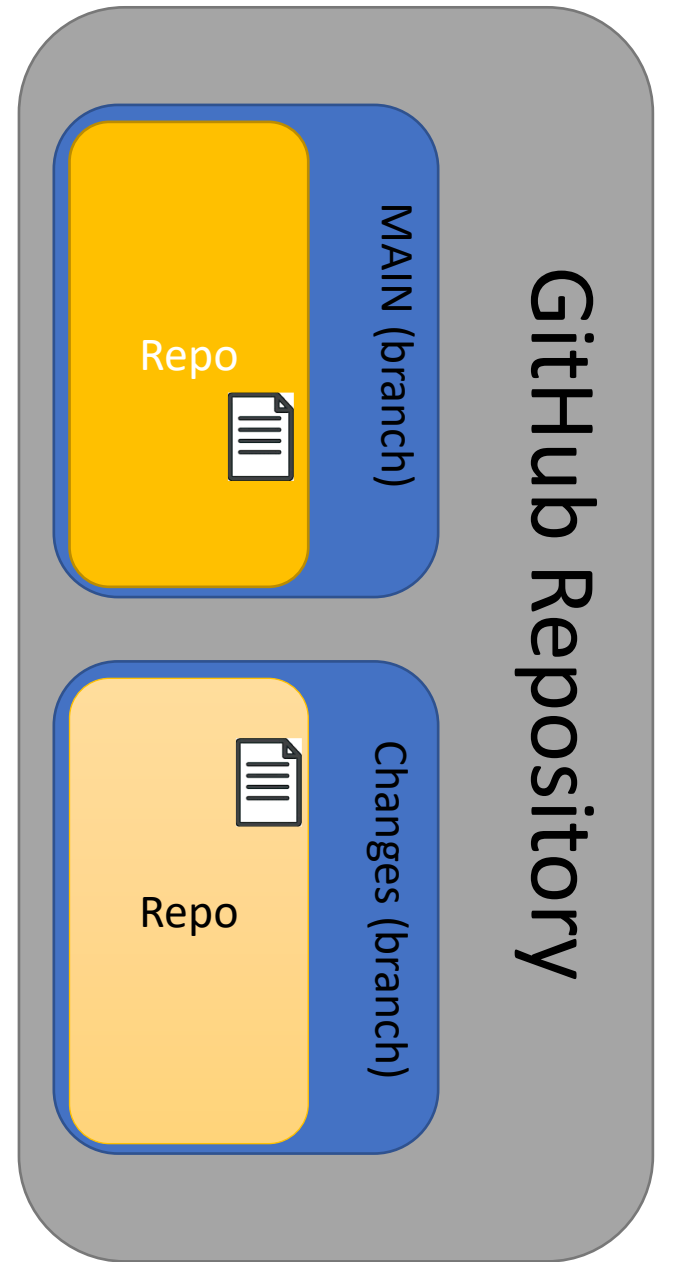
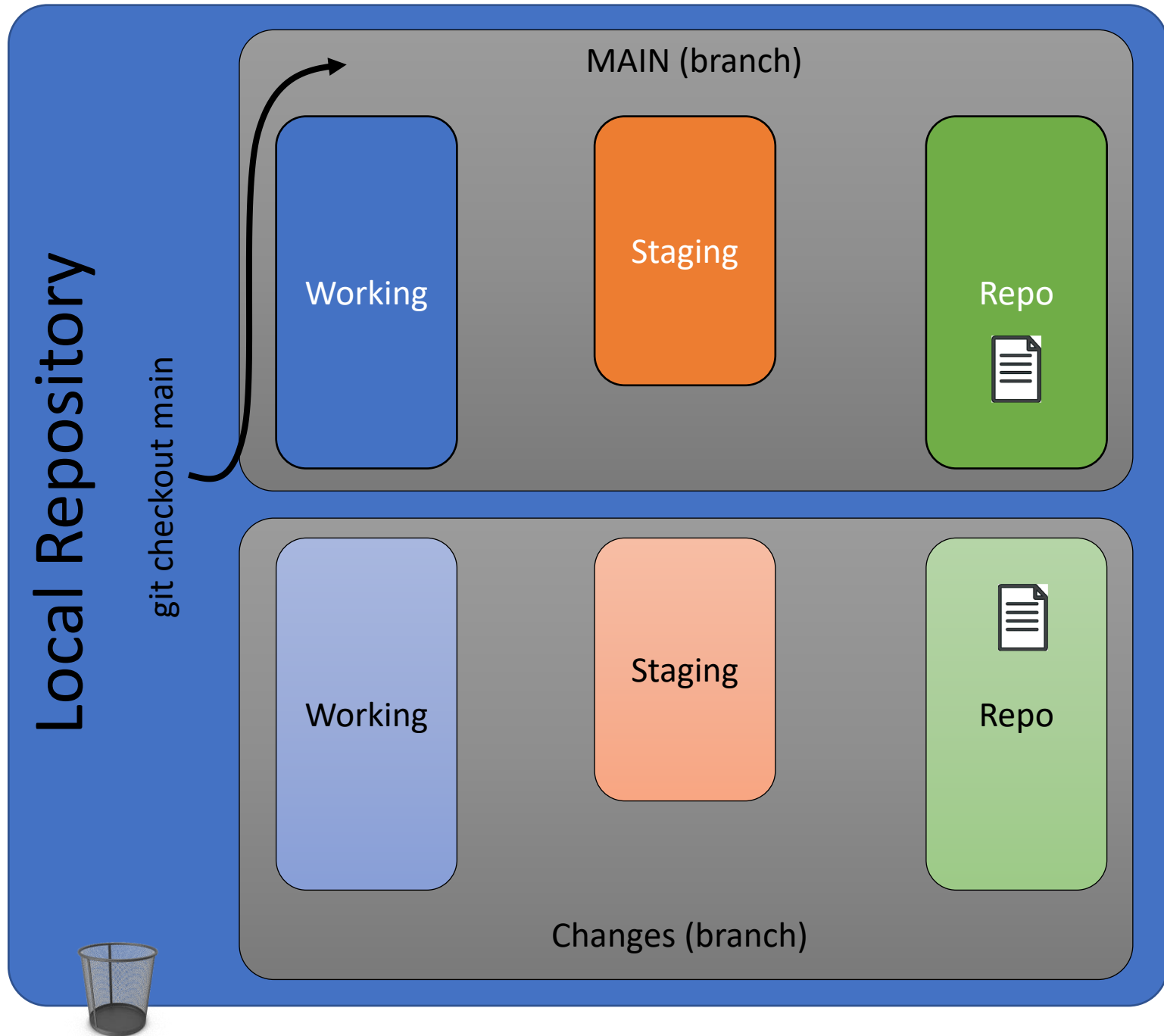
Changes (branch)

Repo

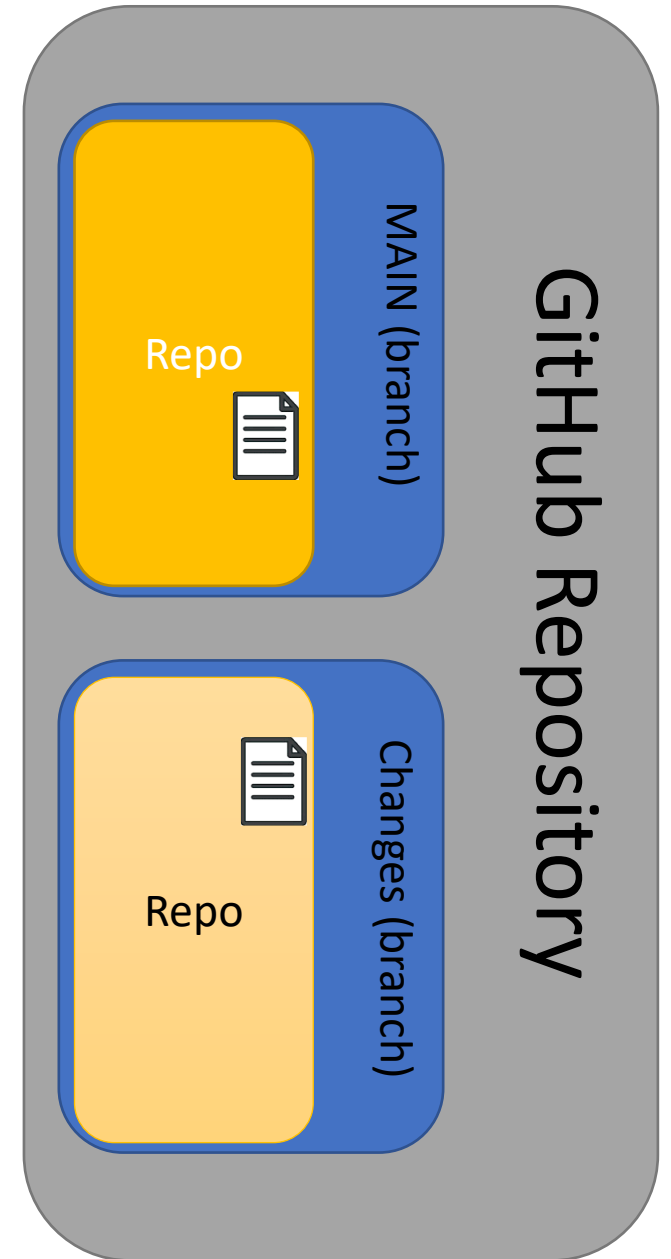
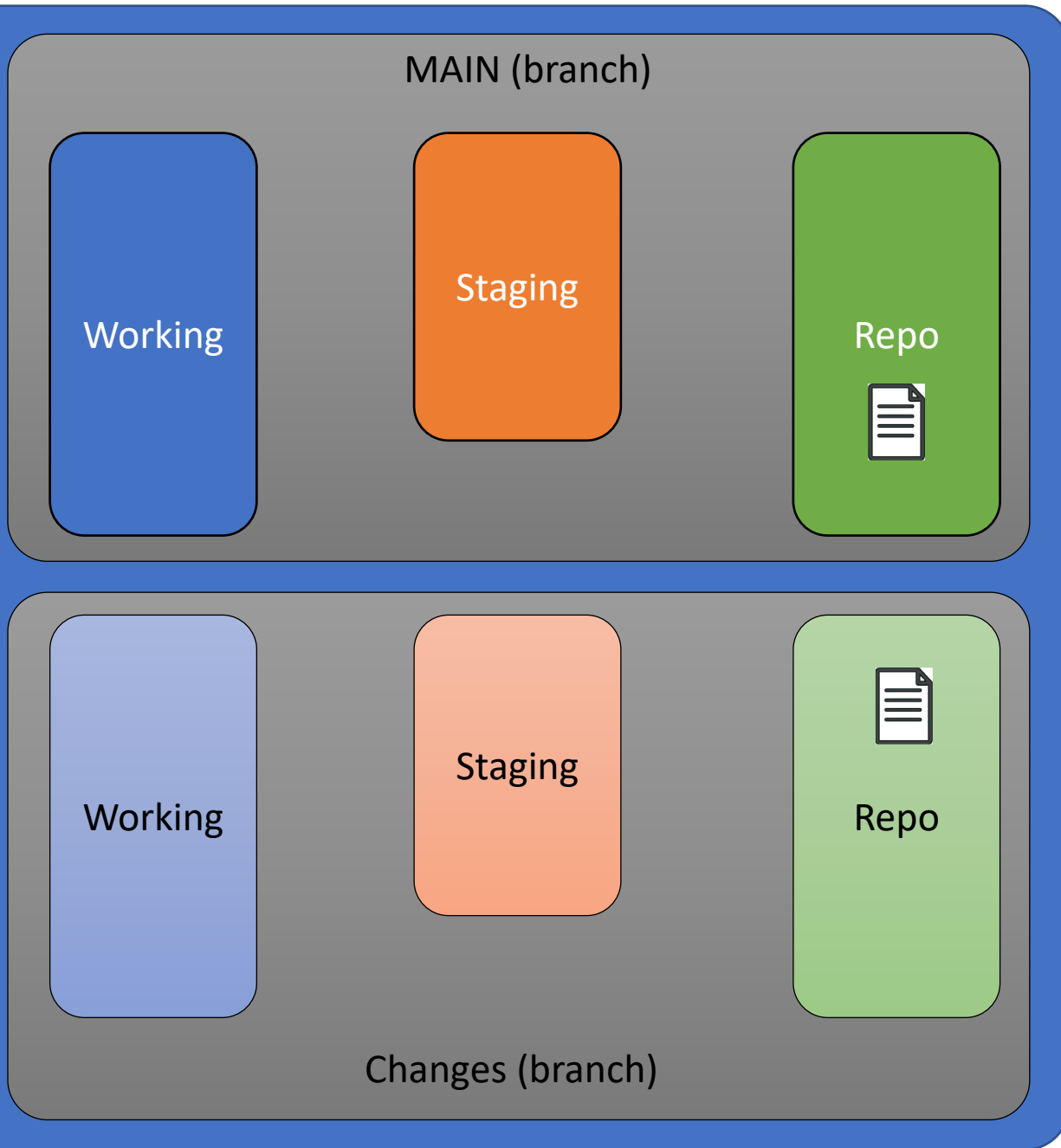


Local Repository

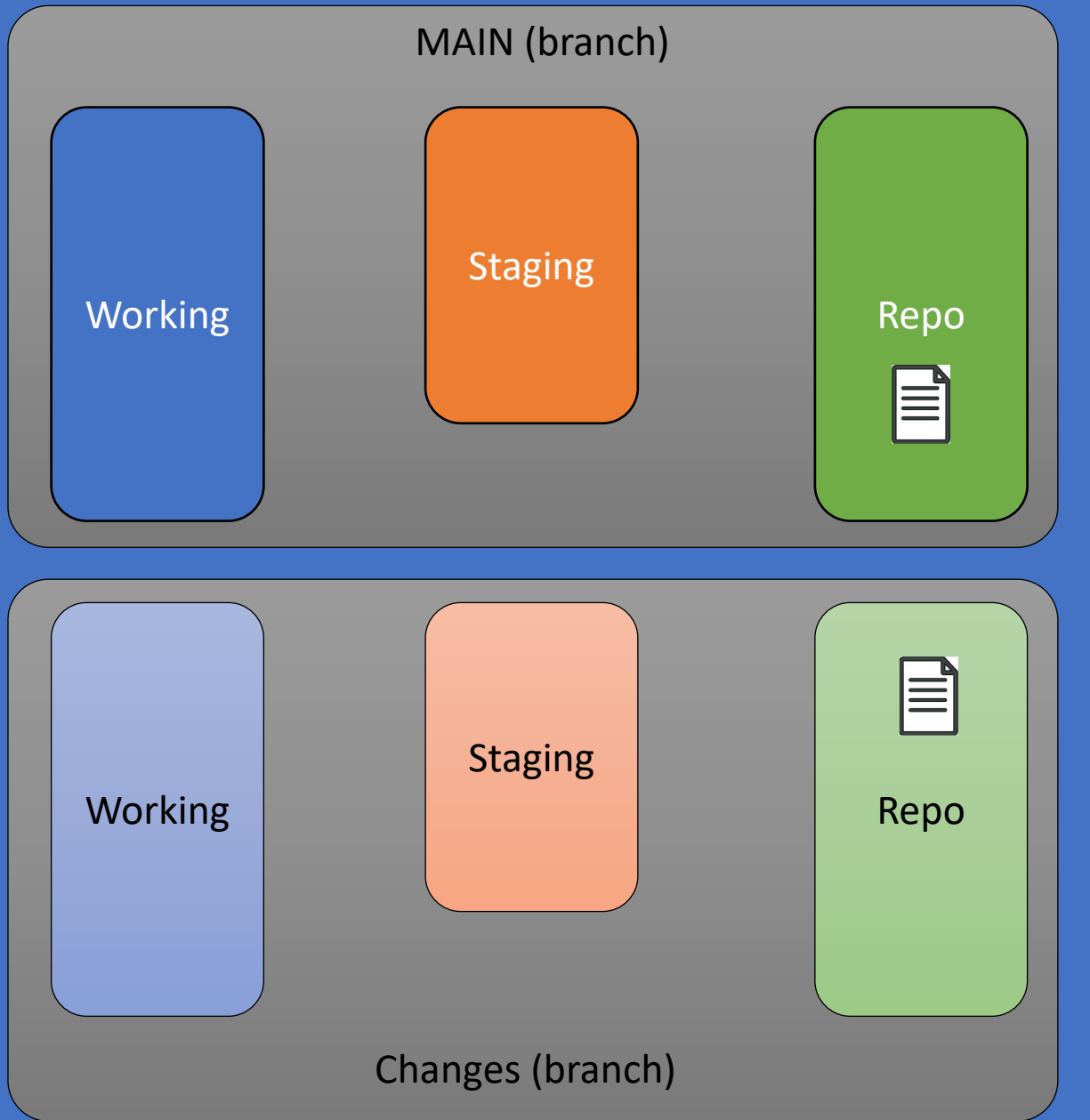




Local Repository

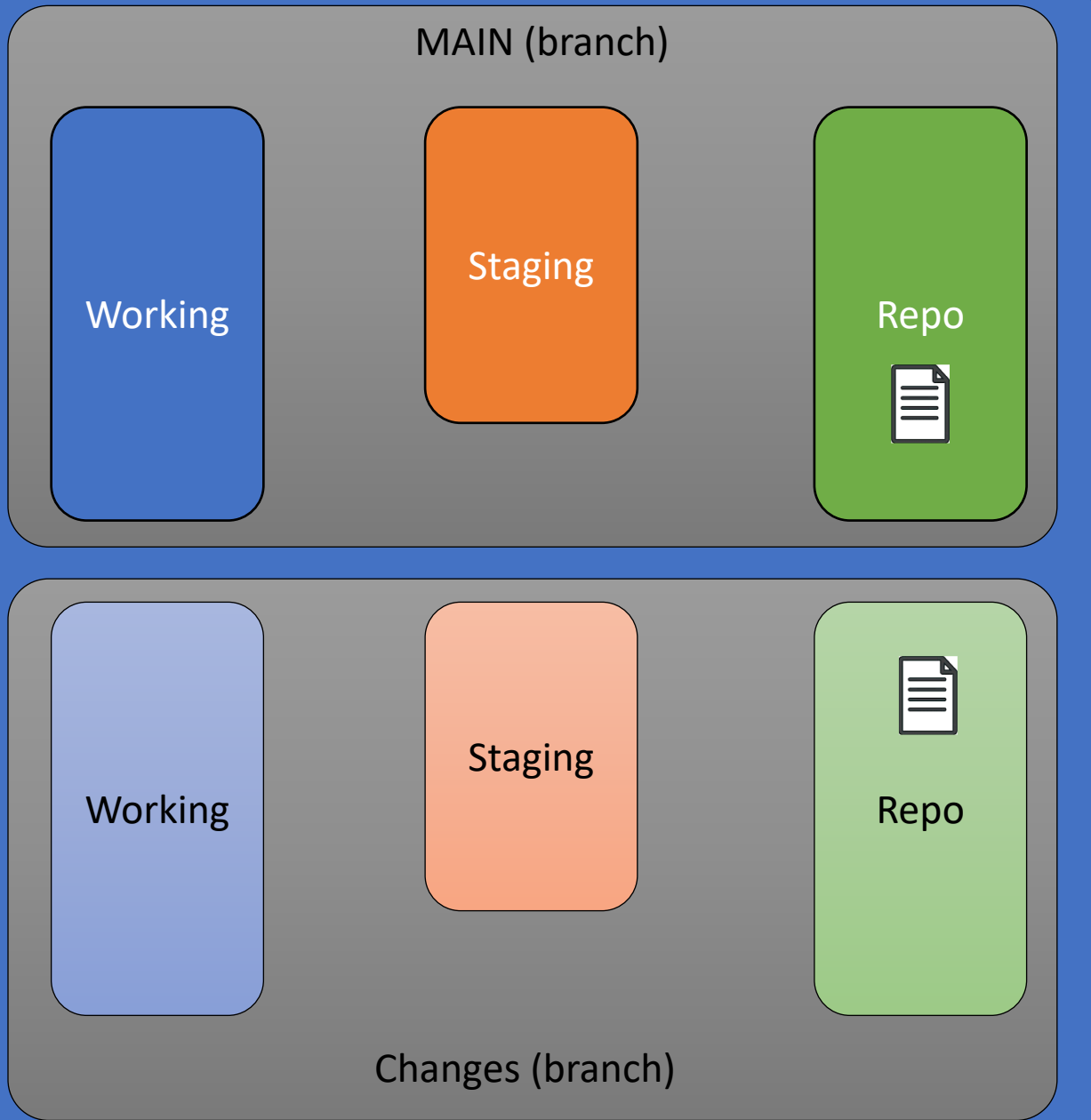


Local Repository



Local Repository

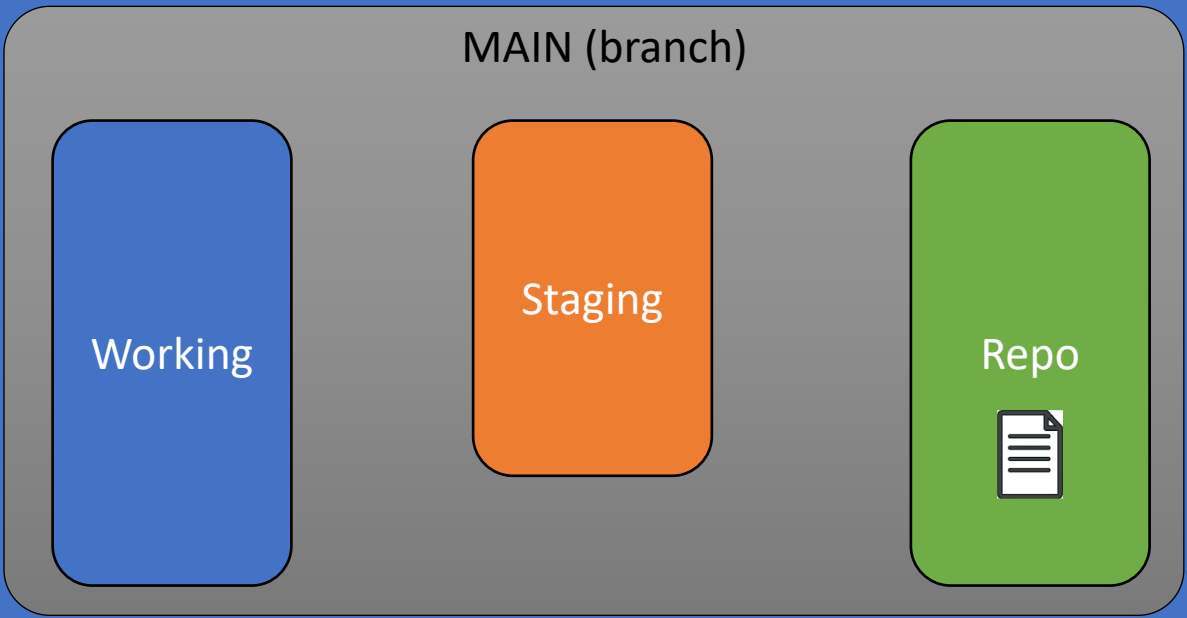
git branch -d changes



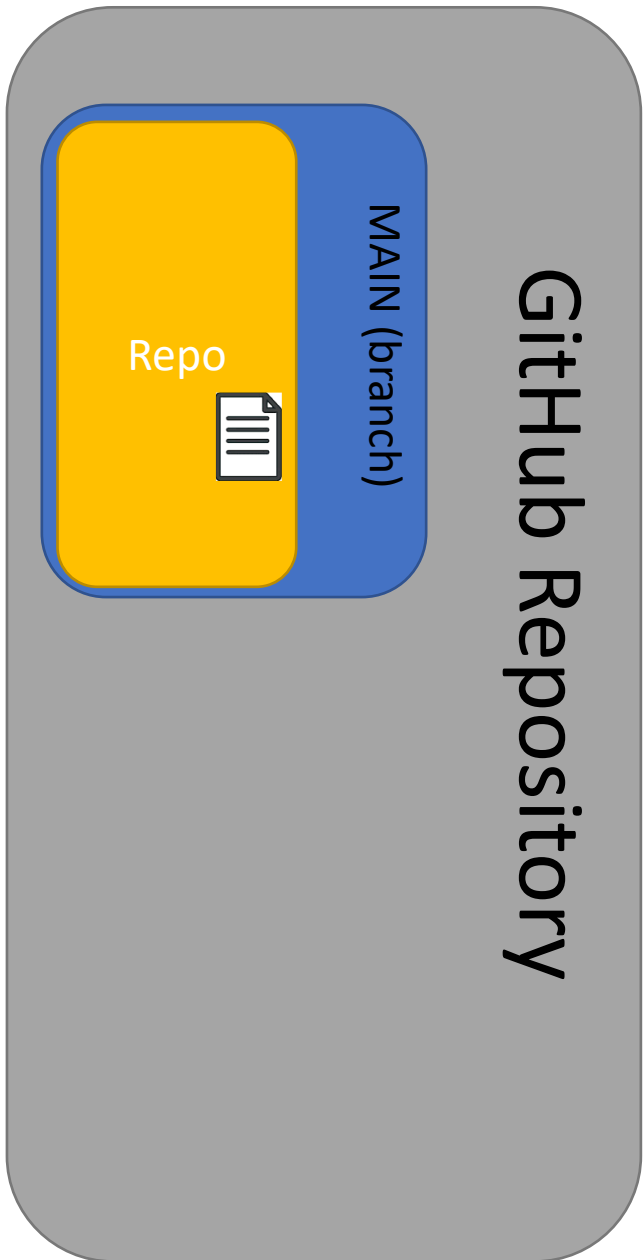
GitHub Repository



Local Repository



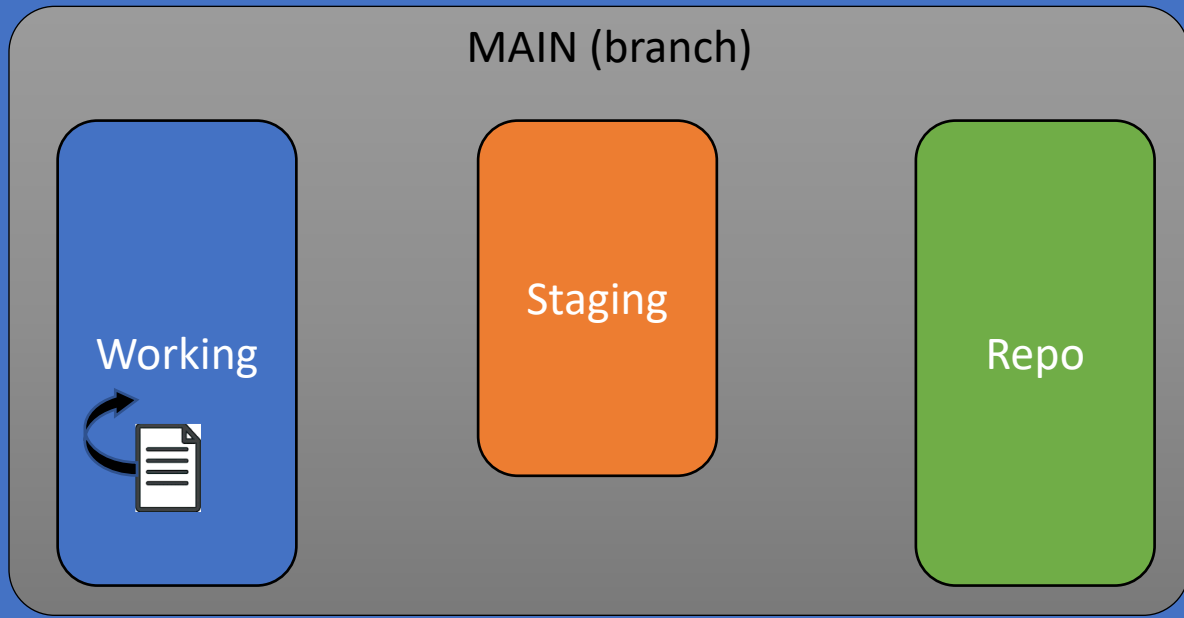
GitHub Repository



Reverse git commands

- git restore
- git reset

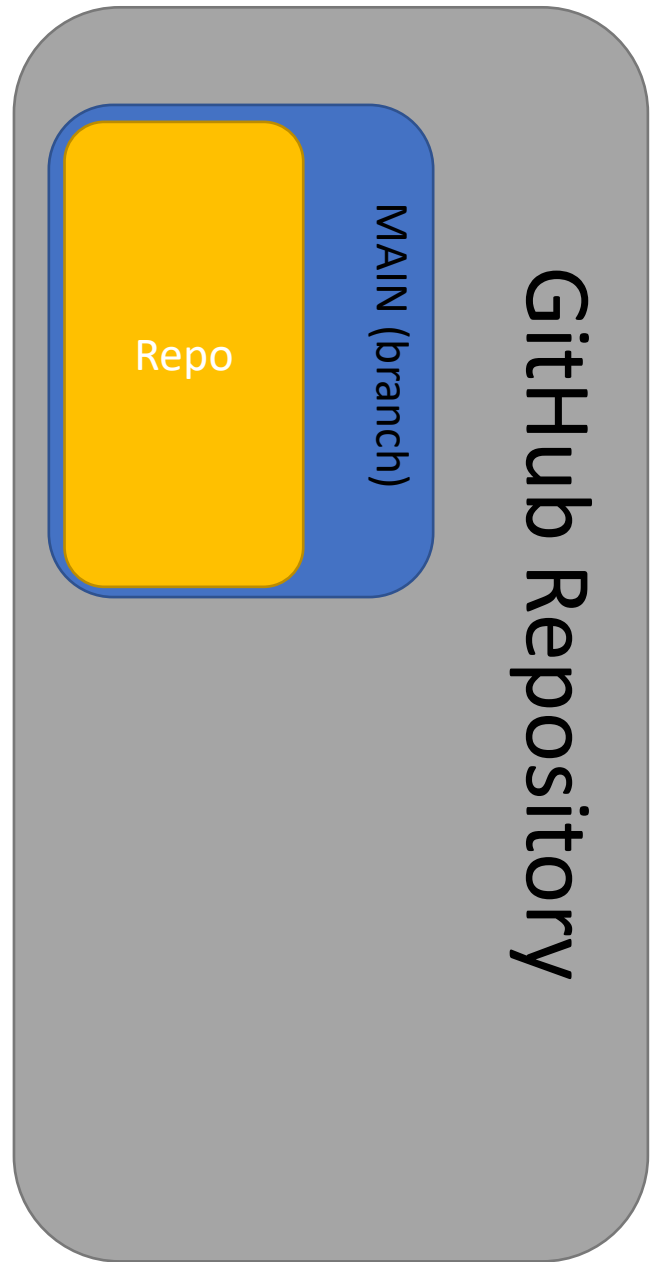
Local Repository



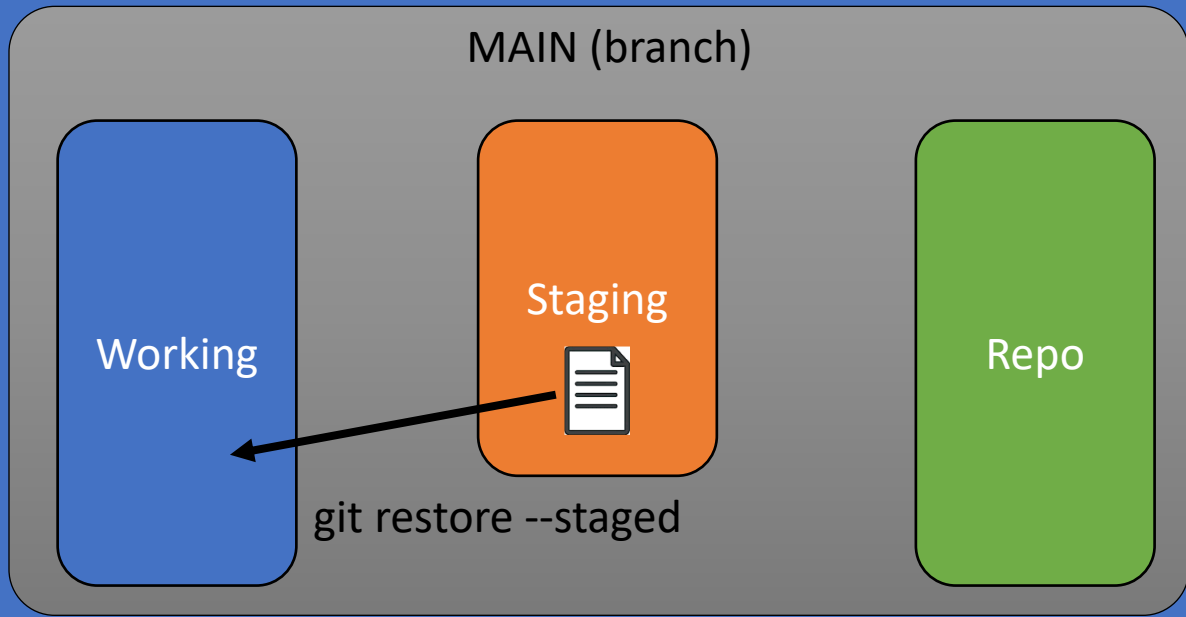
git reset --hard



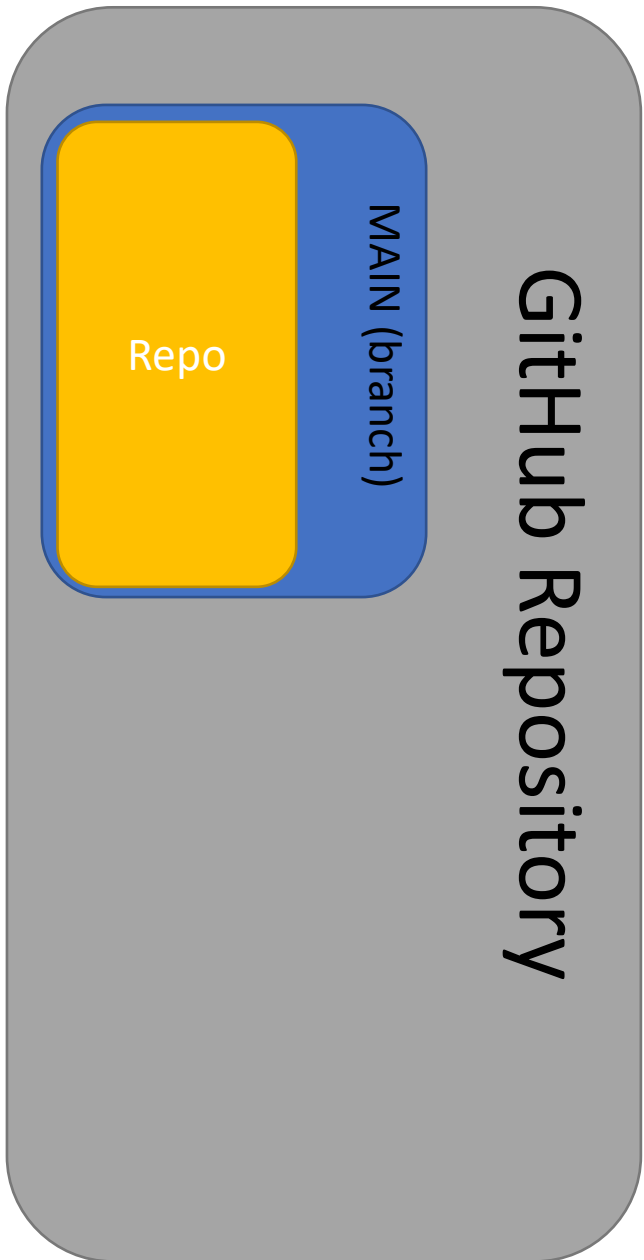
GitHub Repository



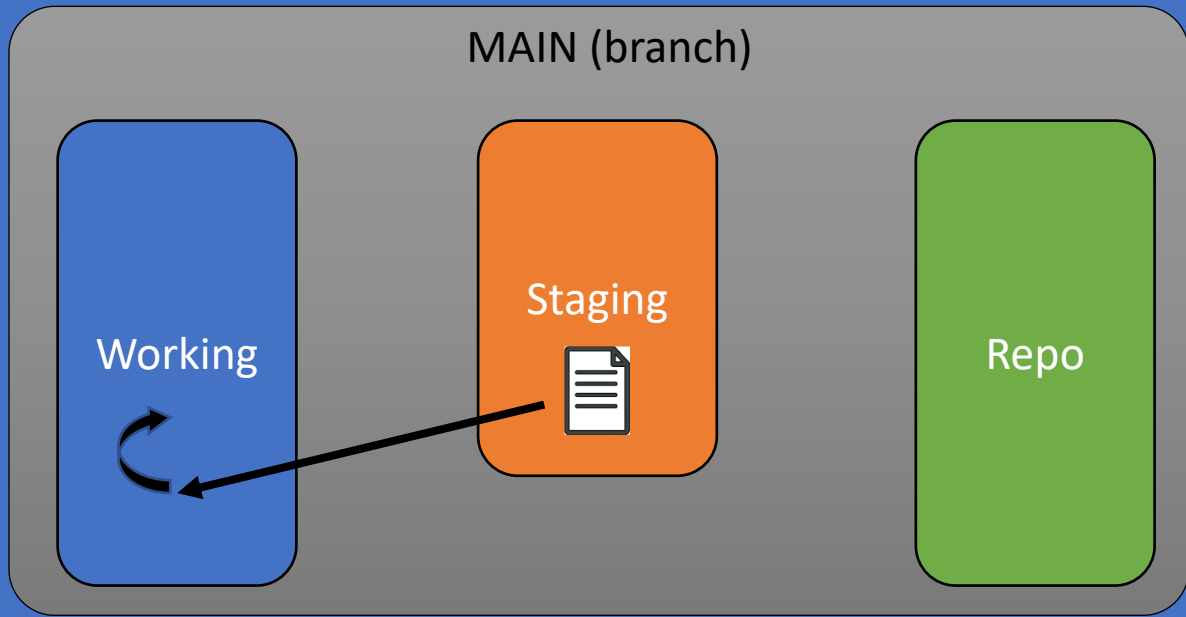
Local Repository



GitHub Repository



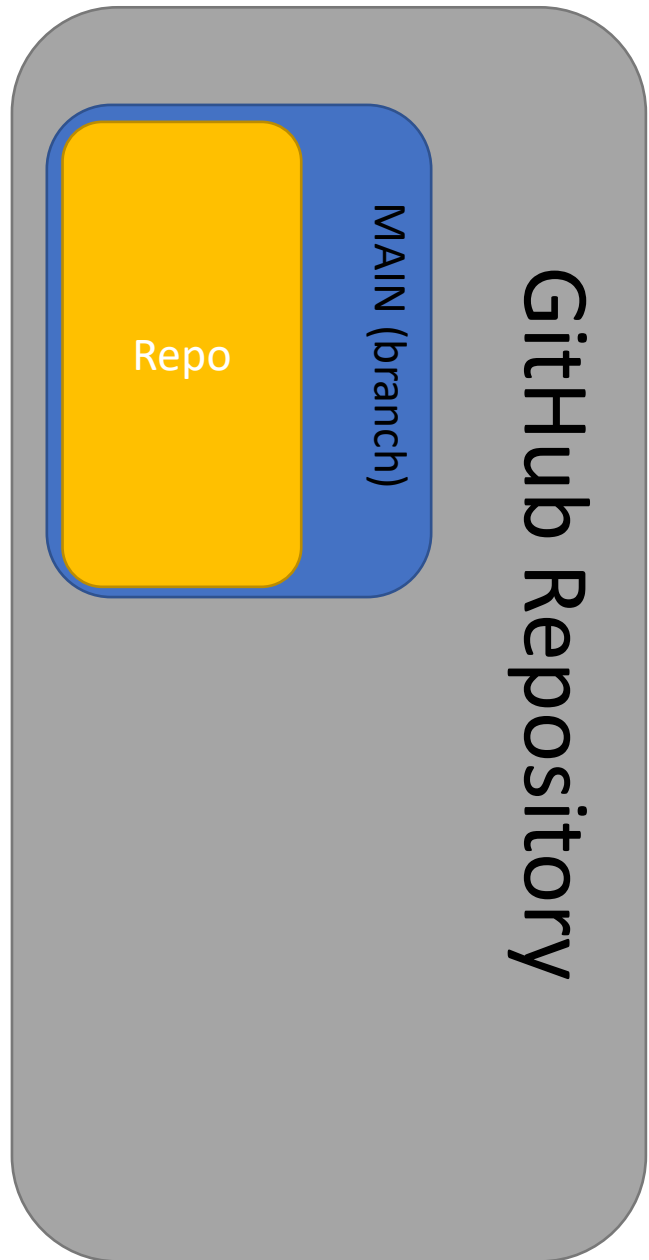
Local Repository



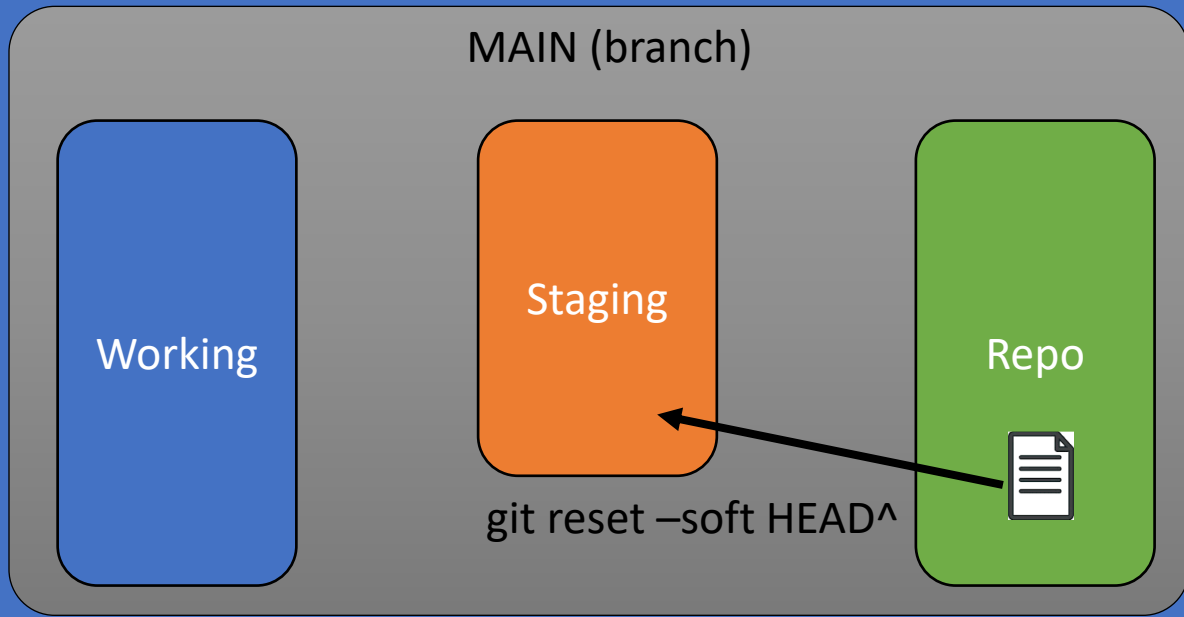
`git reset --hard`



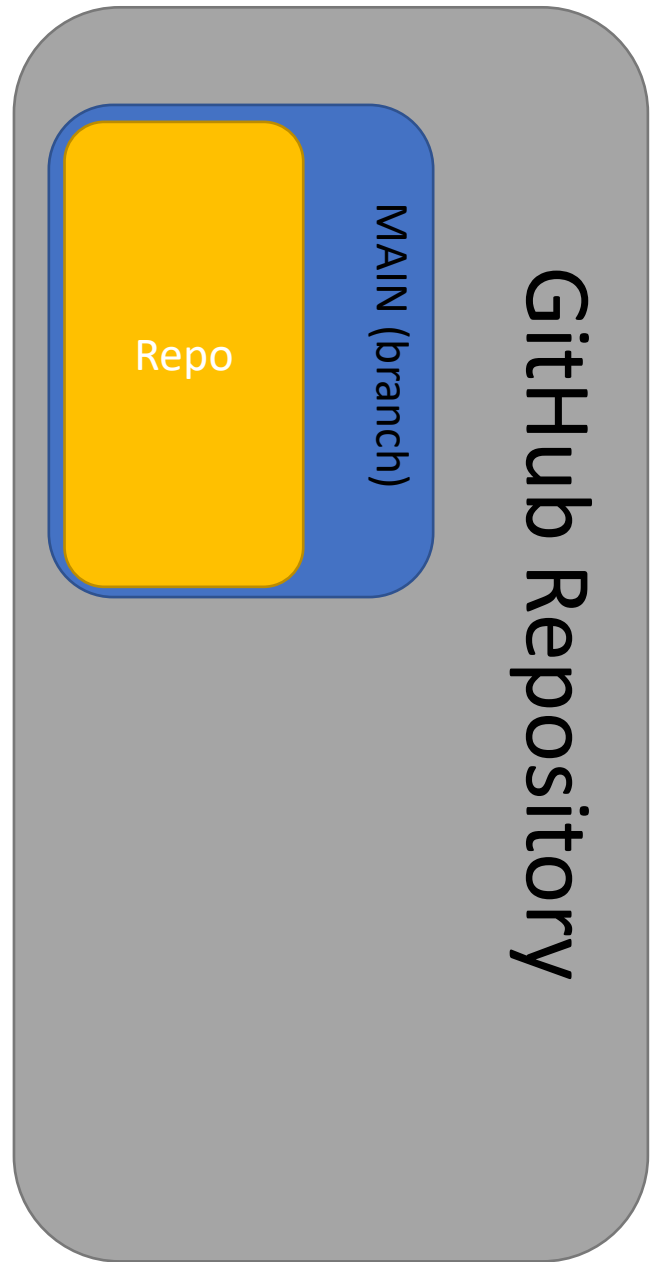
GitHub Repository



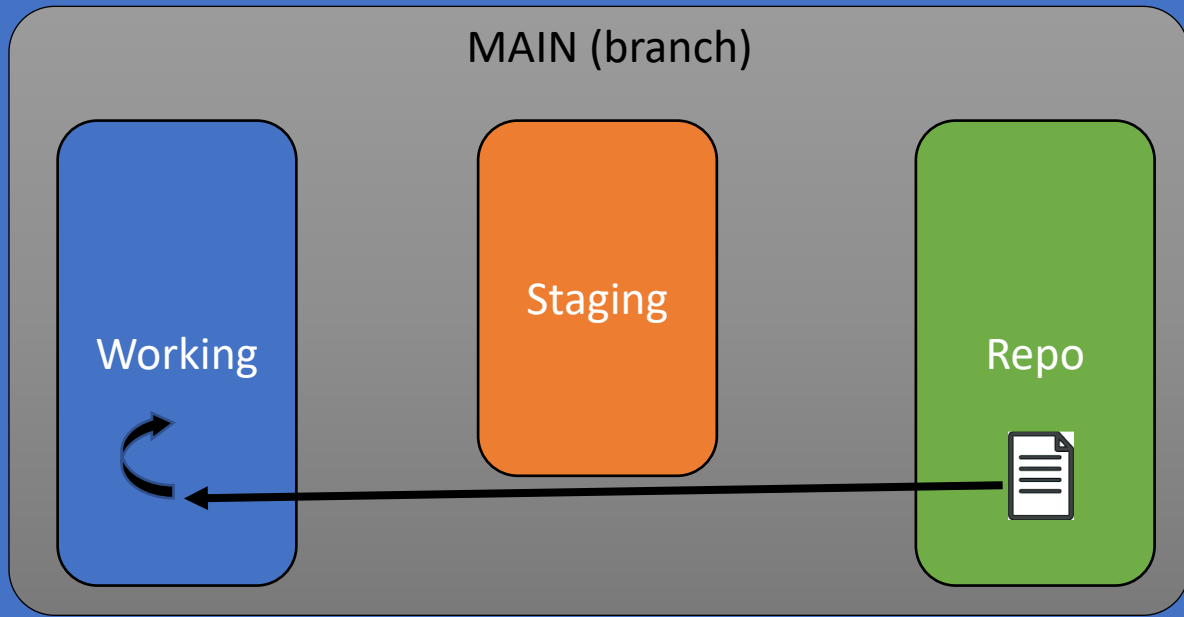
Local Repository



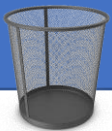
GitHub Repository



Local Repository



`git reset --hard HEAD^`



GitHub Repository

