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GIT trick for panicked contributors

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**LET THIS BE
INTERACTIVE
AND TELL US
HOW YOU DEAL
WITH GIT**

**REMOTE
REJECTED !**

Remote rejected!

- Cause: Changes in remote not in local
- Solution:
 - `git pull -r` (pull and rebase)
 - Push your patch

MERGE CONFLICT

Merge conflict

- Your local copy conflict with remote copy on same lines/files
- “<<<<<” means repository contents
- “>>>>>” means your contents
- Delete or edit the correct contents
- Commit changes
- Push your patch

**git pull -r
does not work**

git pull -r does not work

- You have local modifications not committed
- Solution 1: Delete your local work if you think it is not necessary
 - git checkout -f or git reset --hard HEAD
 - git pull -r
- Solution 2: save temporary with stash
 - git stash
 - git pull -r
 - git stash pop
- Solution 3: Commit your changes if your work is done
 - git commit -m “message”
 - git pull -r
- **Solution for panicked:** copy all your modified files out of git and go to Solution 1. Copy your work back.

OTHER USEFUL GIT COMMANDS

Other useful commands

- git status
- git branch
- git gui
- git log

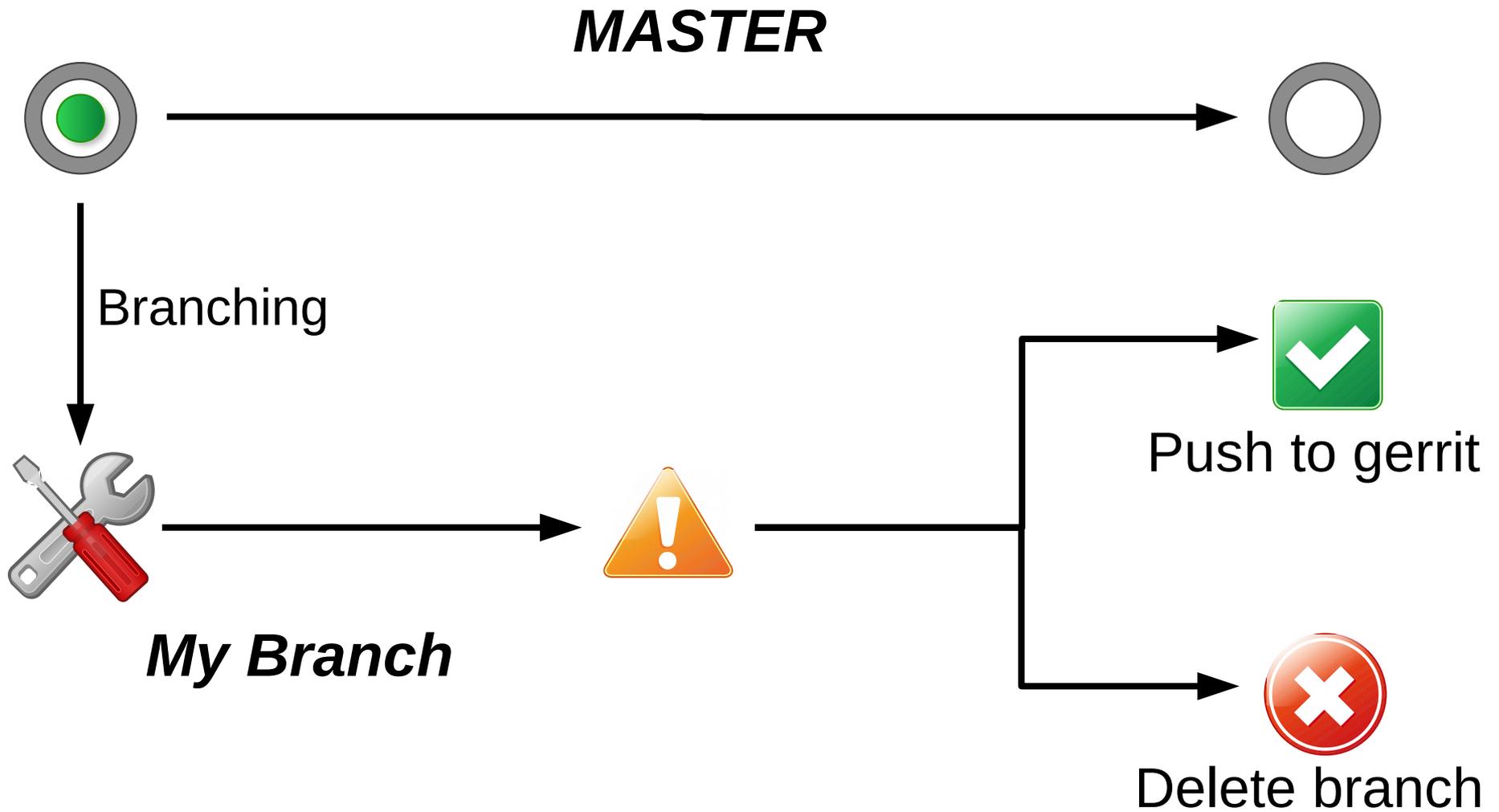
How to minimize headaches?

Use branches

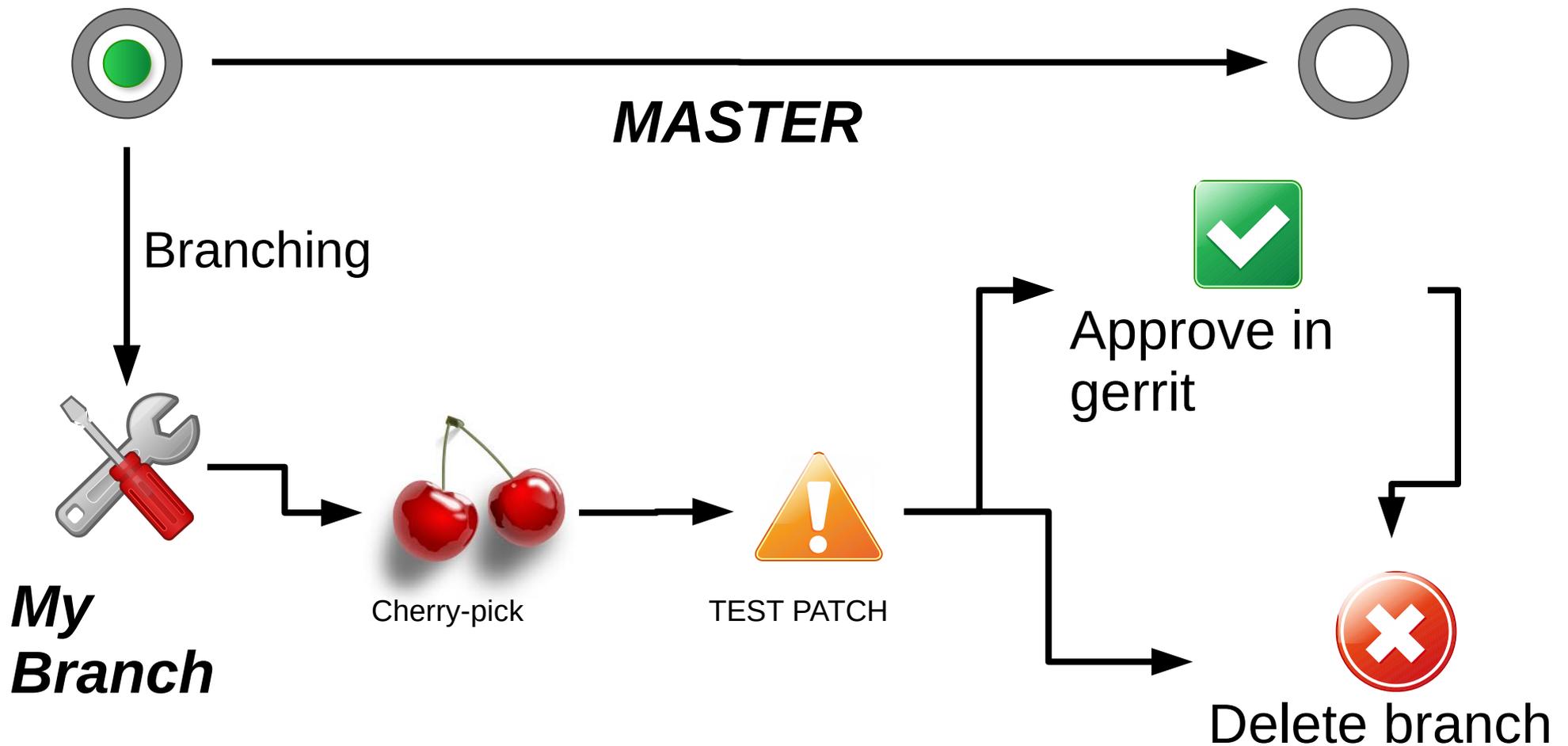
Use branches !

- Do NOT HACK ON MASTER BRANCH
 - Much harder to revert
- USE A LOCAL BRANCH !!!
 - `git checkout -b MyBranch`
 - Then make you hack, commit, push.
 - If you want to desist, checkout your modified files and go back to master
 - Or commit your changes and go back to master
 - You can delete your flawed branch !
 - `git branch -D MyBranch`

A Picture!



Checking a patch by cherry picking



THANK YOU!



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