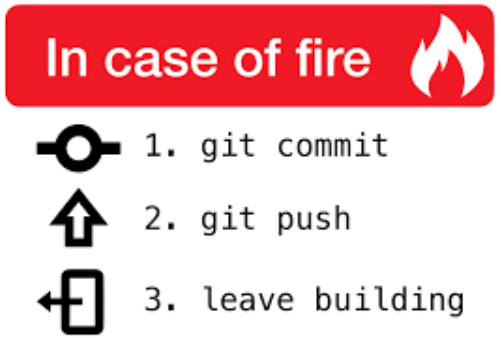
Git

Tom Chothia

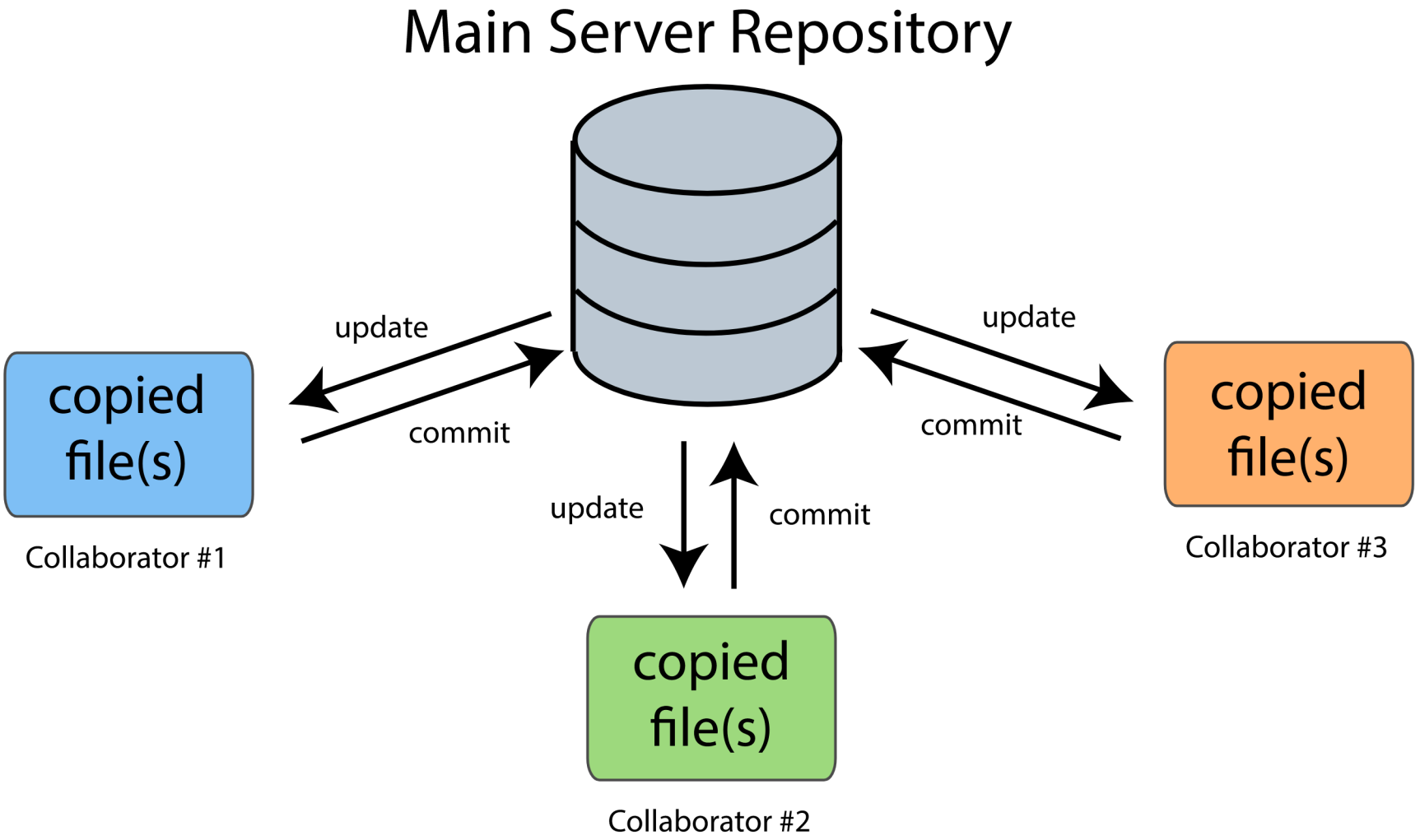


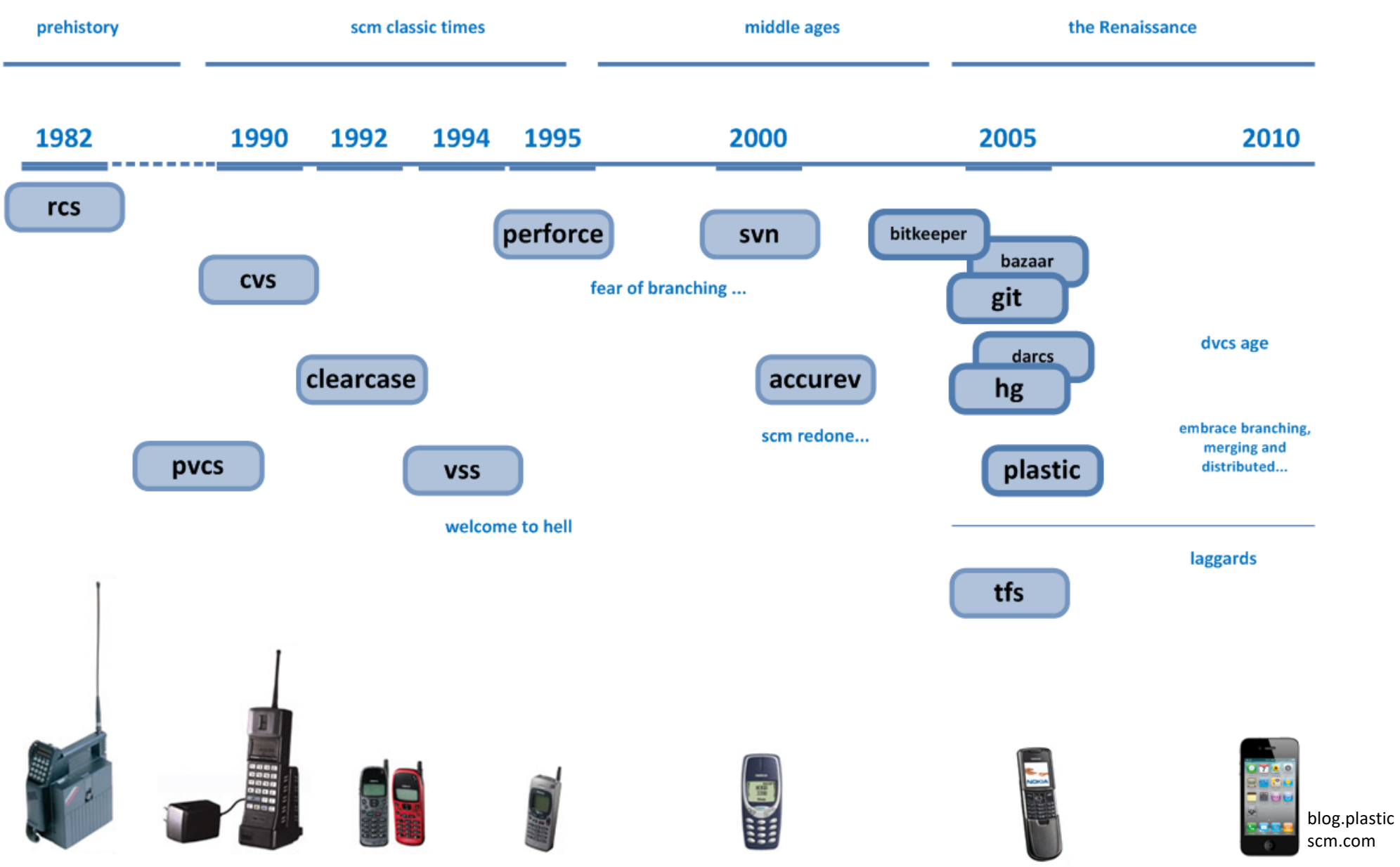
Introduction

- Version control systems in general
- Git.
- Using your own project repo.

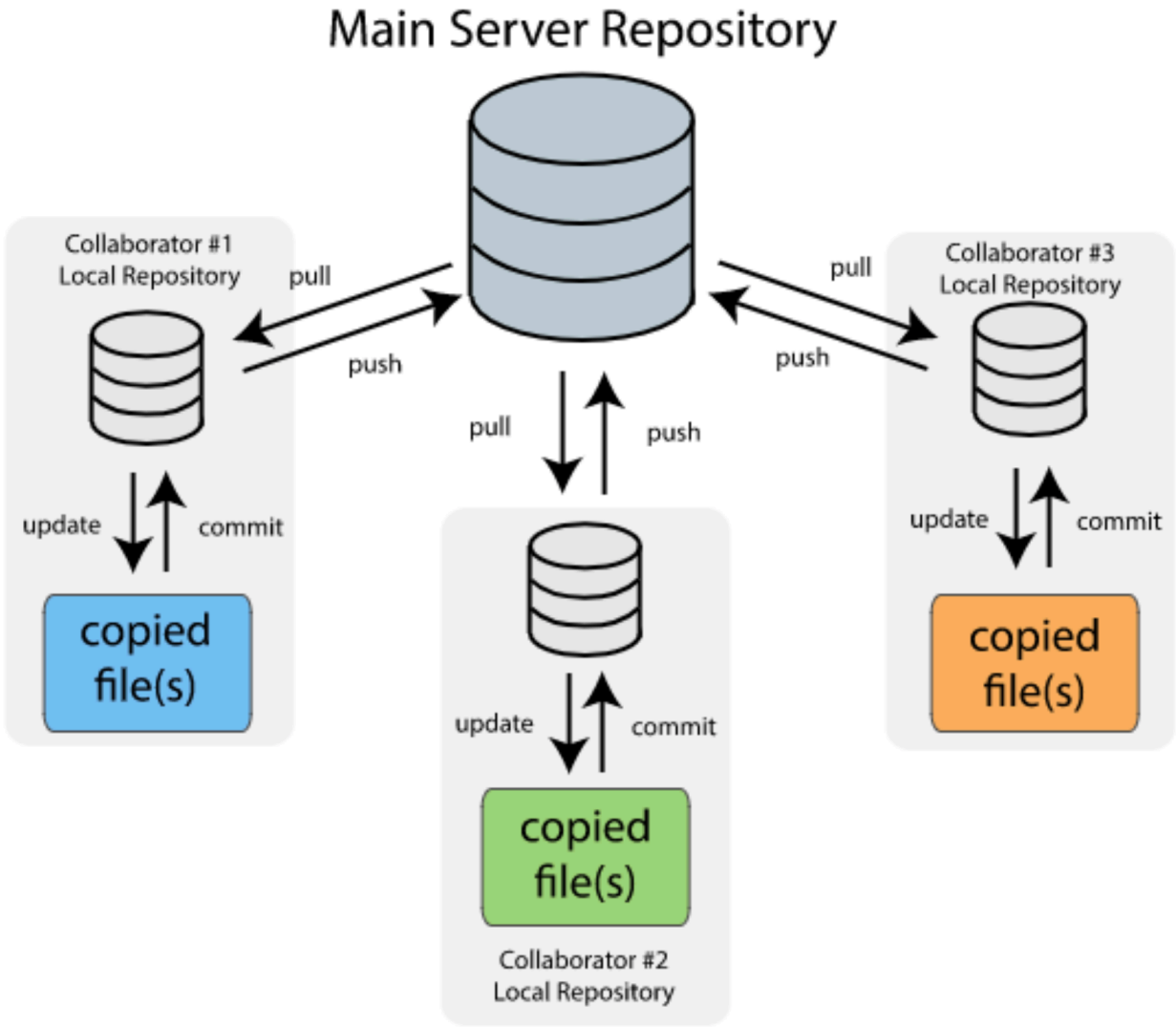
(If you already know git well, the next 30 mins are going to be very boring, sorry)

Centralized Version Control



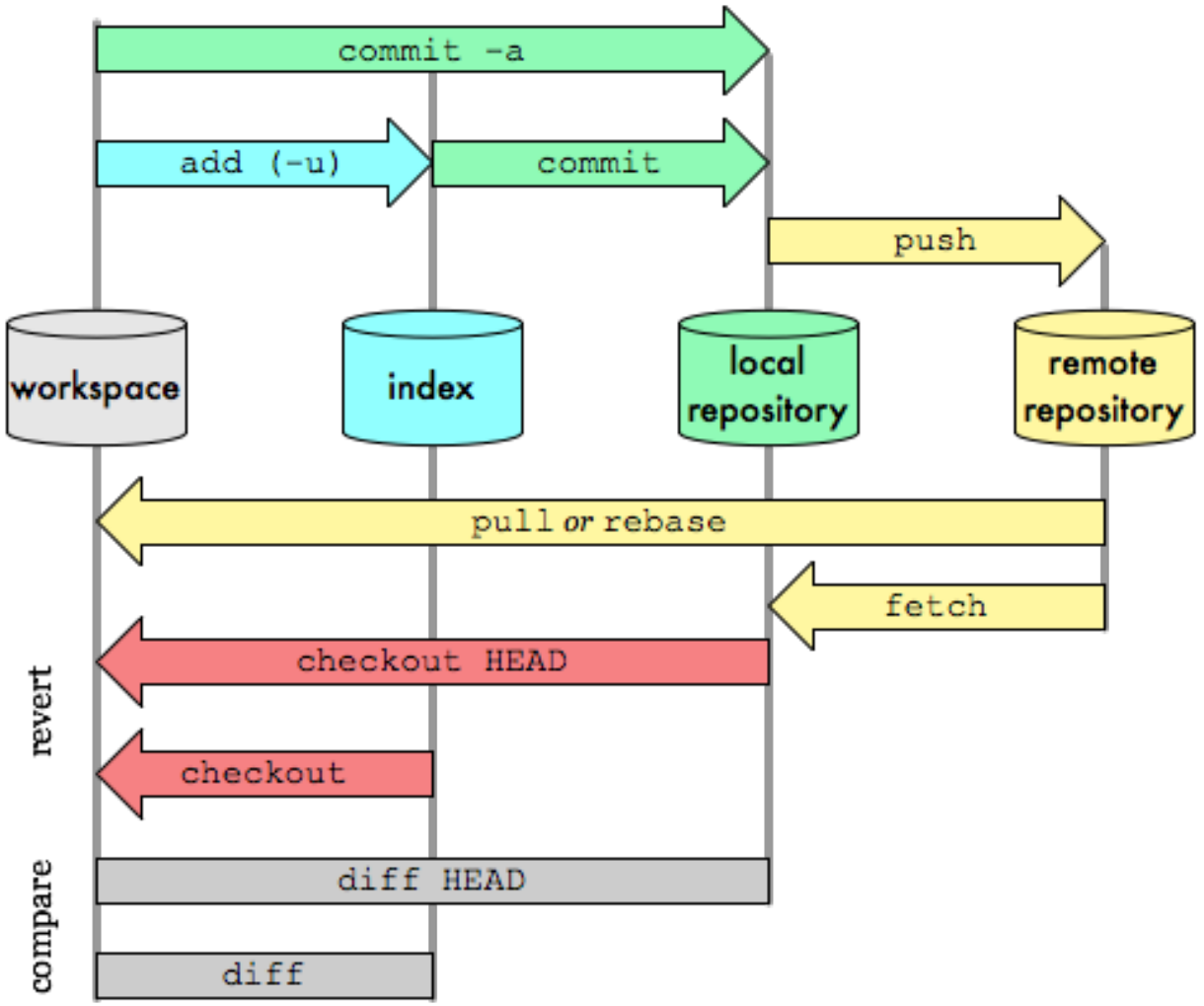

prehistory
scm classic times
middle ages
the Renaissance
1982
1990
1992
1994
1995
2000
2005
2010
rcs
cvs
pvcs
clearcase
vss
welcome to hell
perforce
svn
fear of branching ...
accurev
scm redone...
bitkeeper
bazaar
git
darcs
hg
dvcs age
embrace branching, merging and distributed...
plastic
laggards
tfs
blog.plasticscm.com

Distributed Version Control



Git Data Transport Commands

http://osteele.com



Git stuff I haven’t talked about

- Ignore files
- Roll backs
  - Pull old version of files
- “Stashing” your local copy
- Branches and Merges, Pull Requests
- Support in IDEs
- GitLab

Try it your self

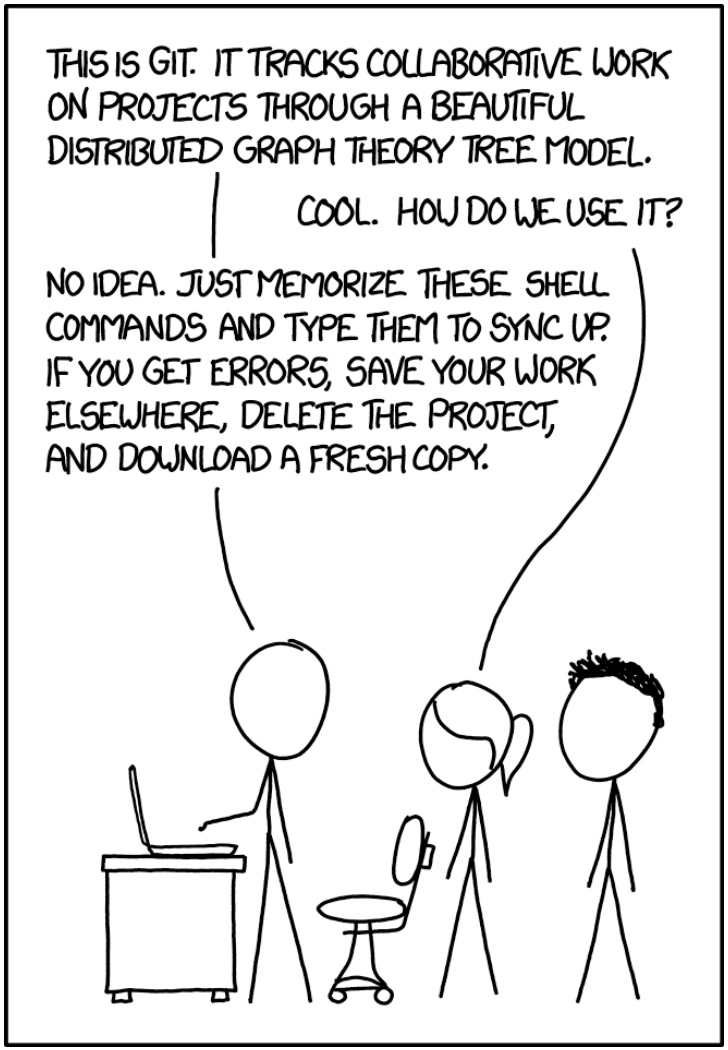
Your repo: https://git-teaching.cs.bham.ac.uk/mod-msc-proj-2018/<user_name>

Commands:

- ssh-keygen -t ed25519 -C <your school e-mail>
- https://git-teaching.cs.bham.ac.uk > log in > Avatar > Settings > SSH Keys > paste in your public key
- git config --global user.name <your name>
- git config --global user.email <your e-mail>
- git clone git@git-teaching.cs.bham.ac.uk:mod-msc-proj-2018/<username>.git

https://gitforwindows.org

Other key commands: http://onezeronull.com/2015/04/10/git-diagram-for-data-transport-commands/



www.xkcd.com