UNIVERSITÄT BERN

Distributed version control with git – part 2

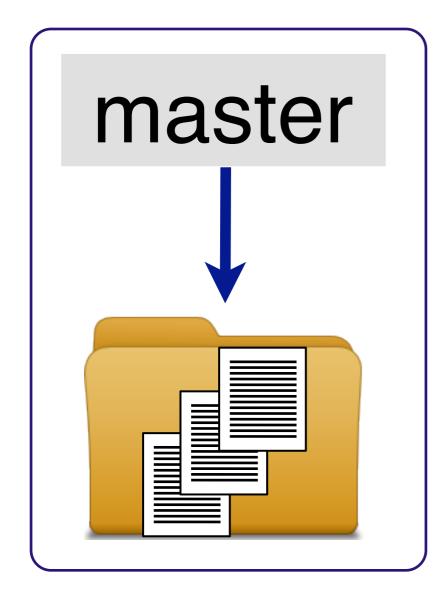
Andrei Chis

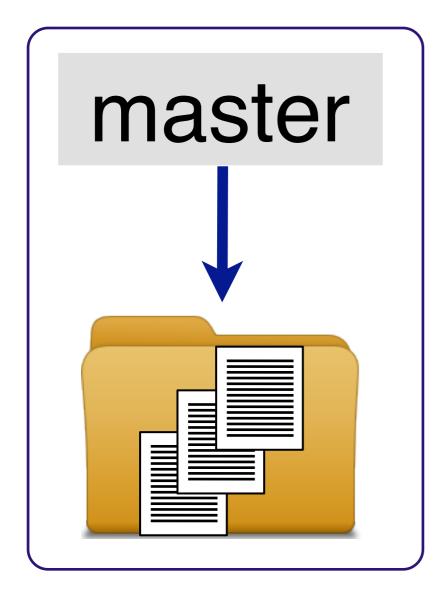
based on slides by Oscar Nierstrasz



Branching and merging

Branching is like "Save as..." on an entire directory

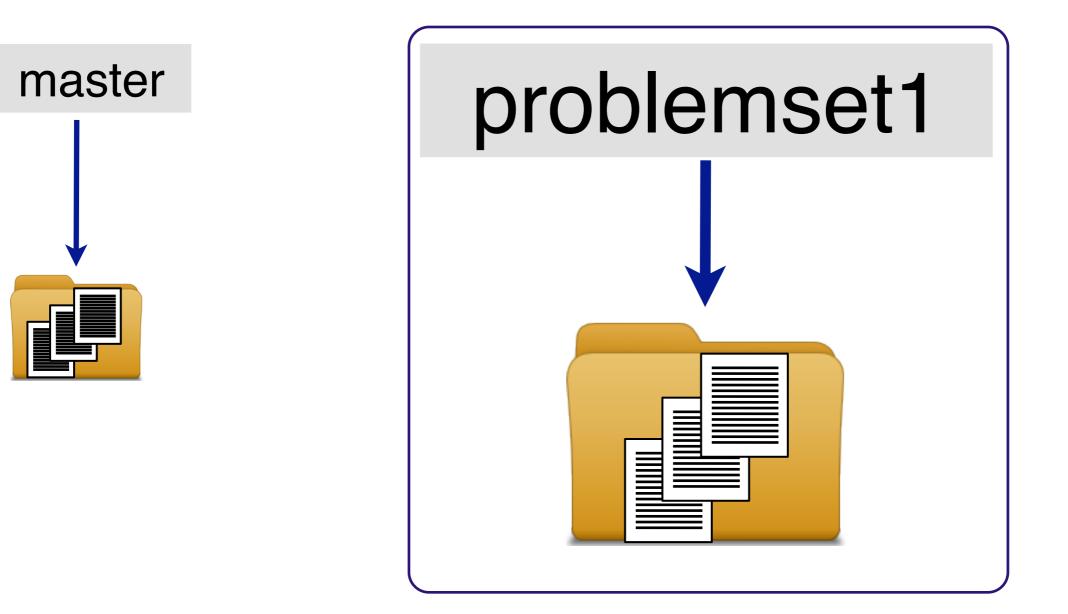




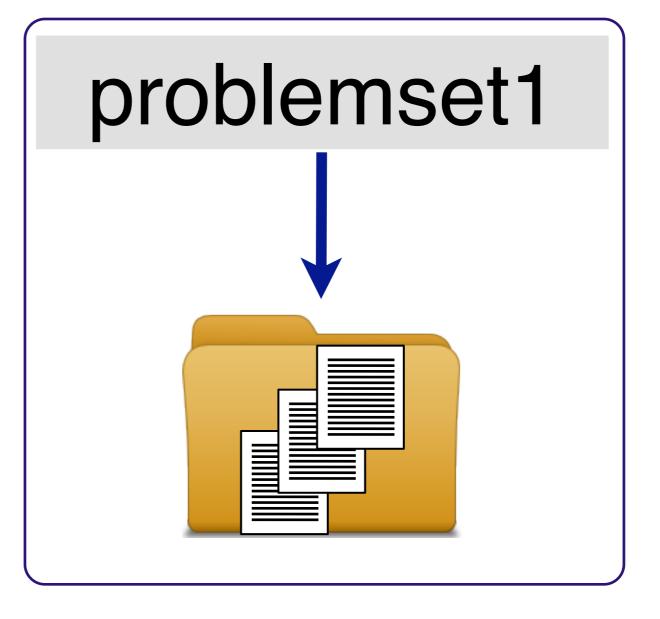
problemset1

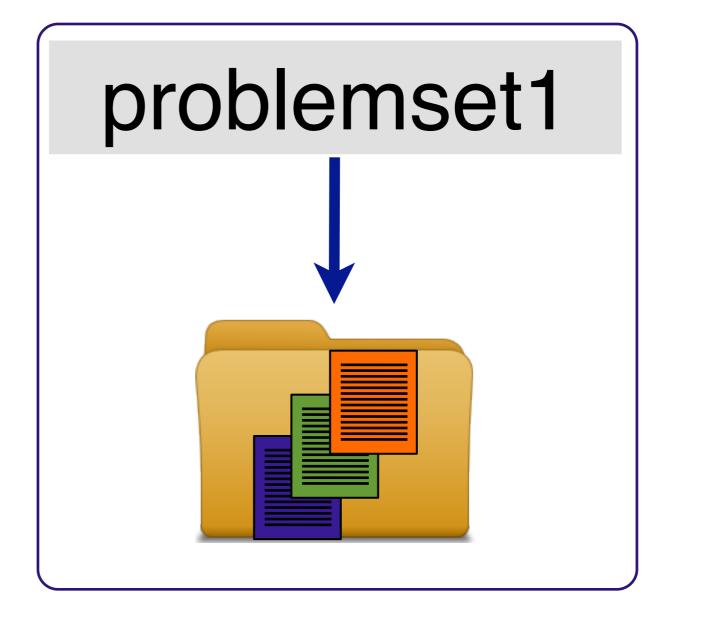


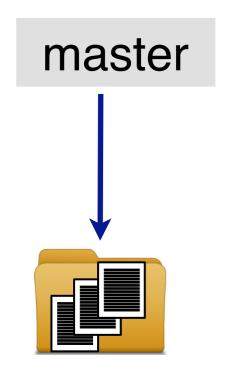
create branch



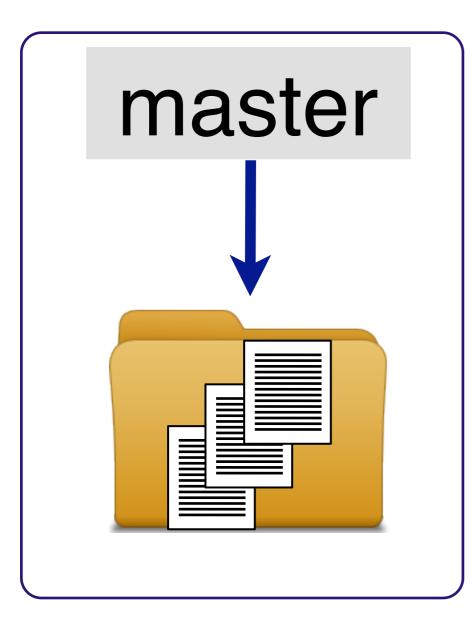
when switching branches the entire content of the folder is replaced







edit files in branch

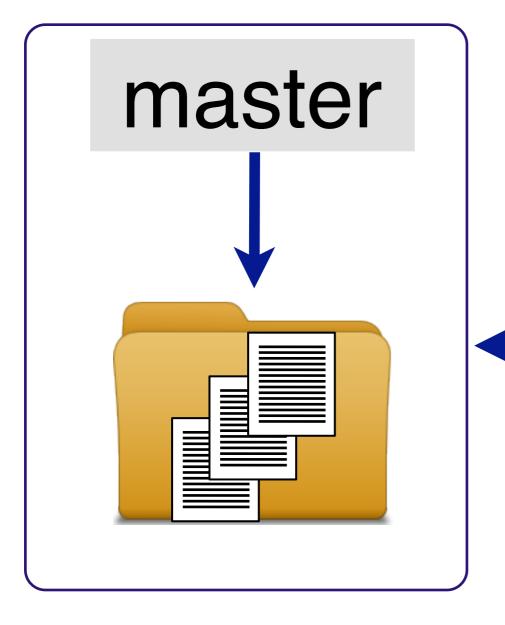


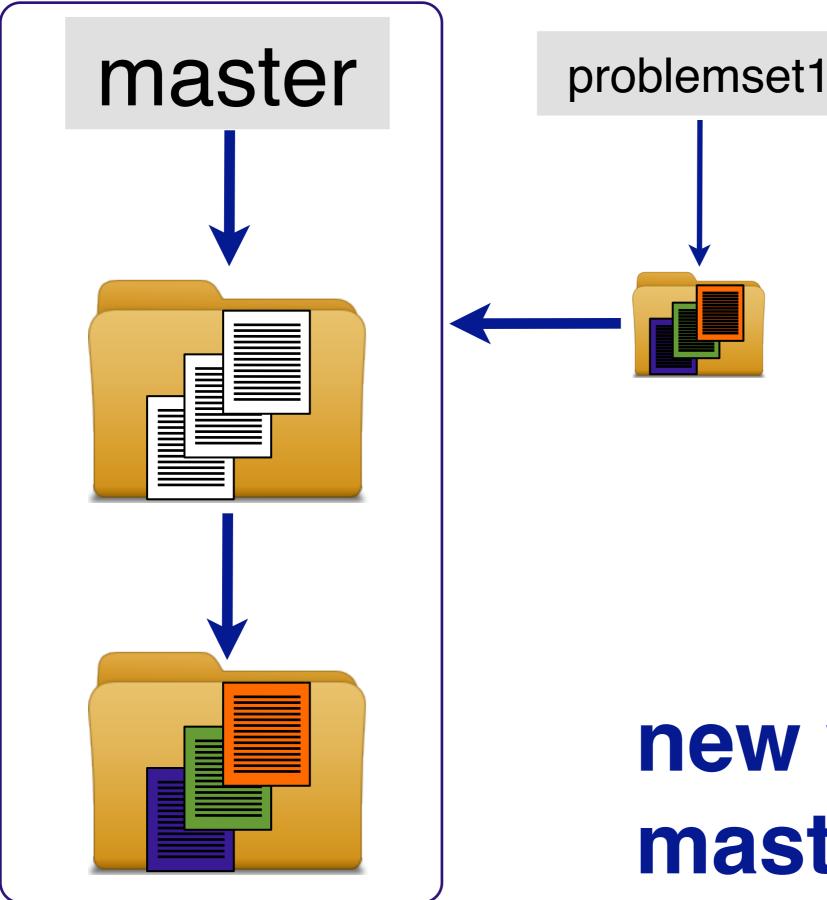
problemset1

switch to master branch

merge with problemset1 branch

problemset1



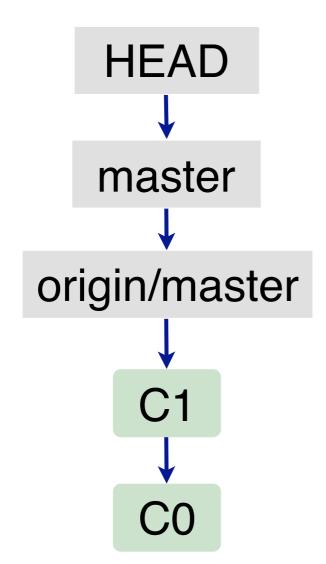


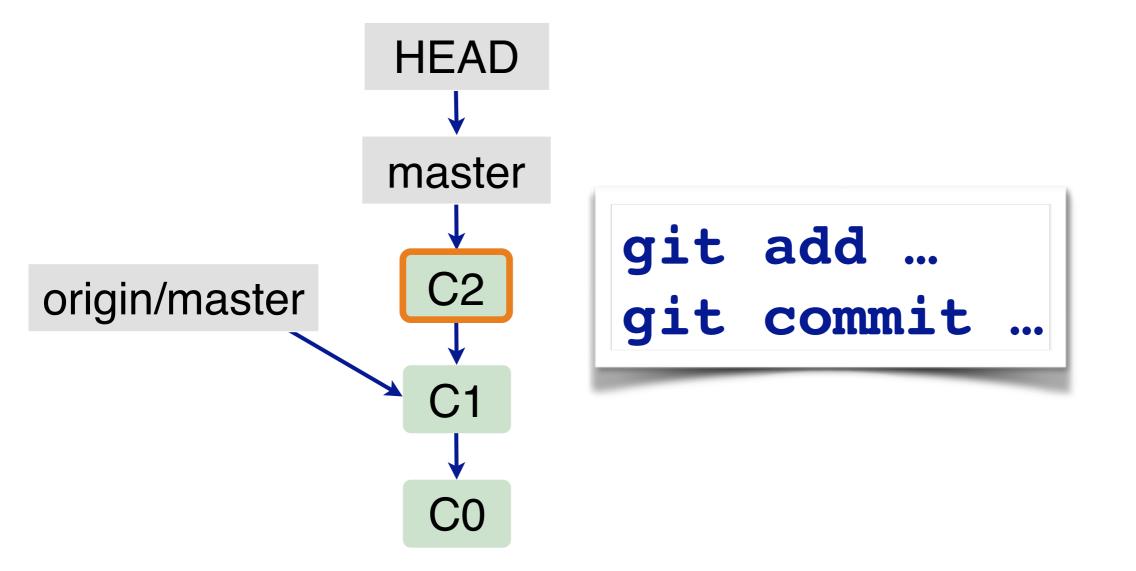
new version in master branch

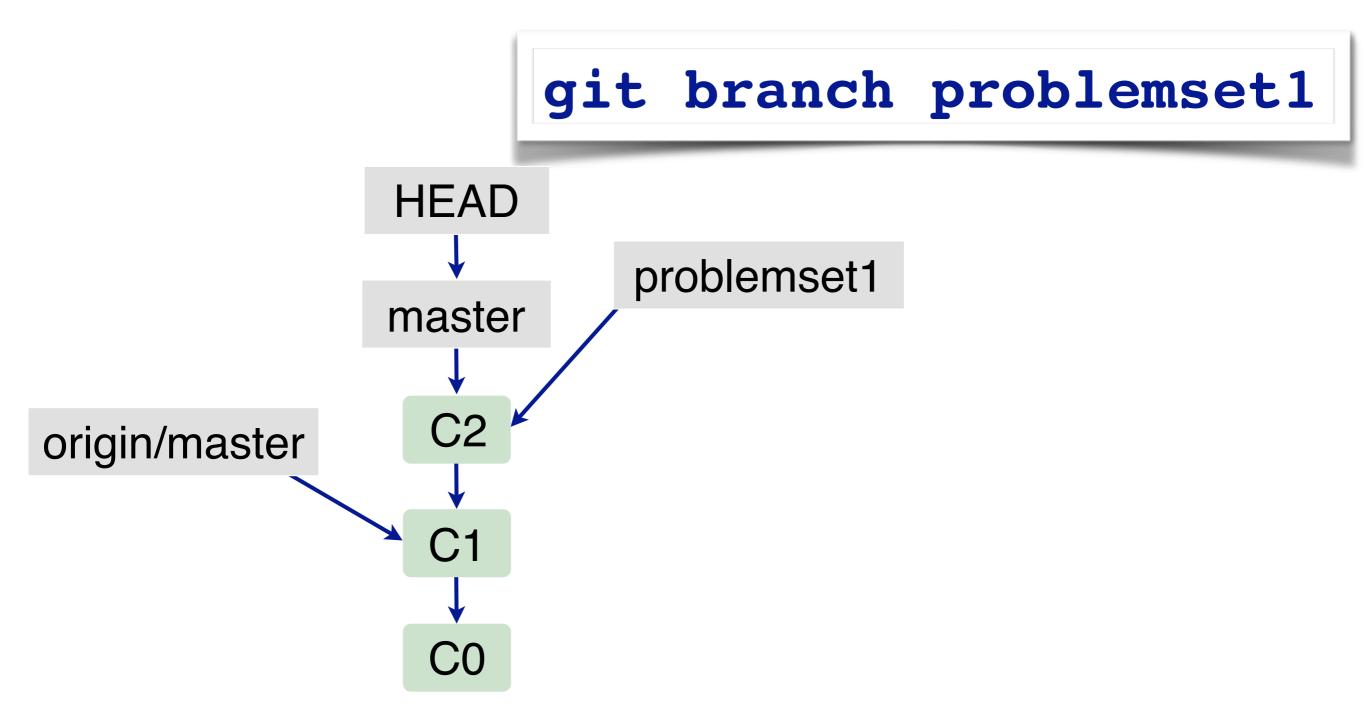
only one branch is active at a time

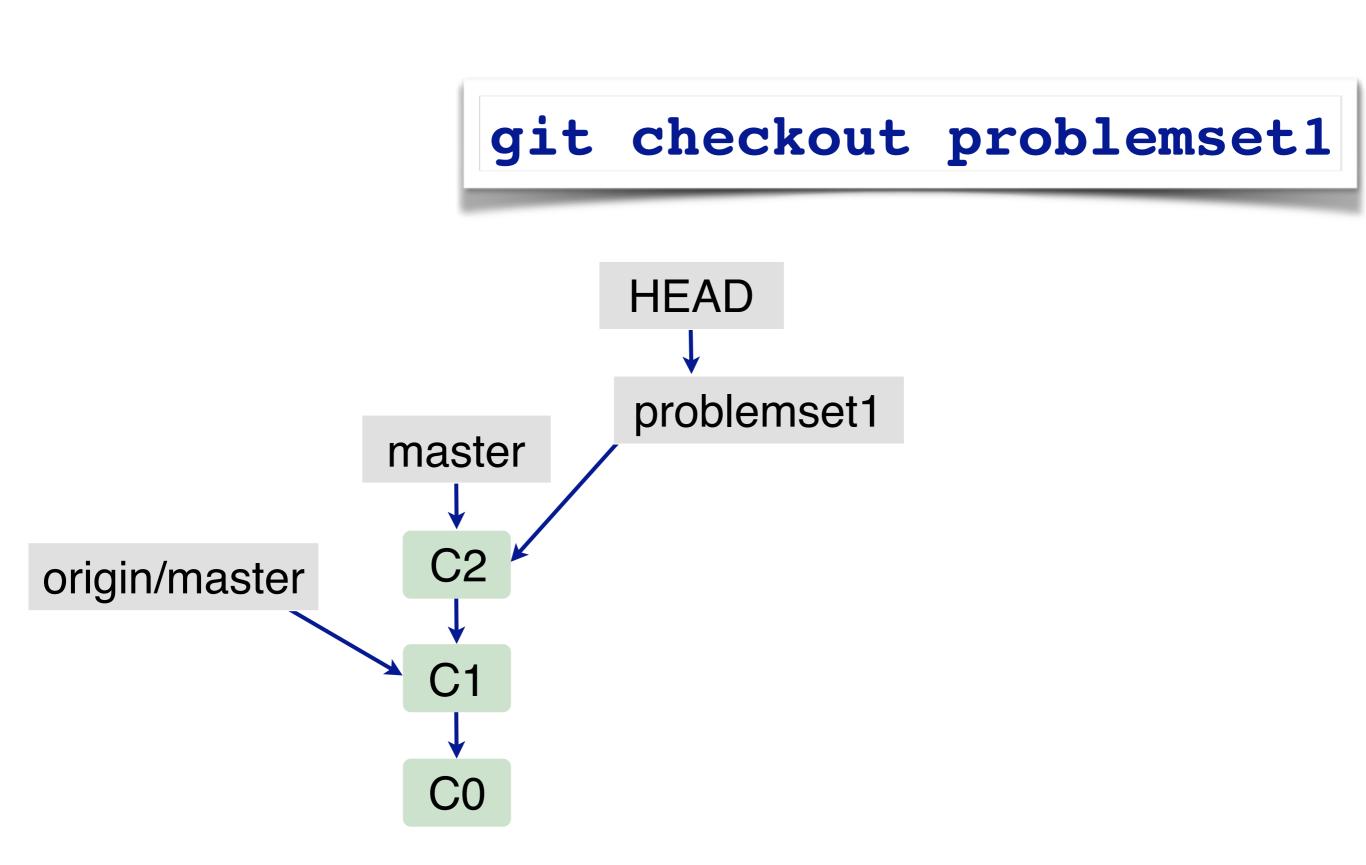
and now branching in git

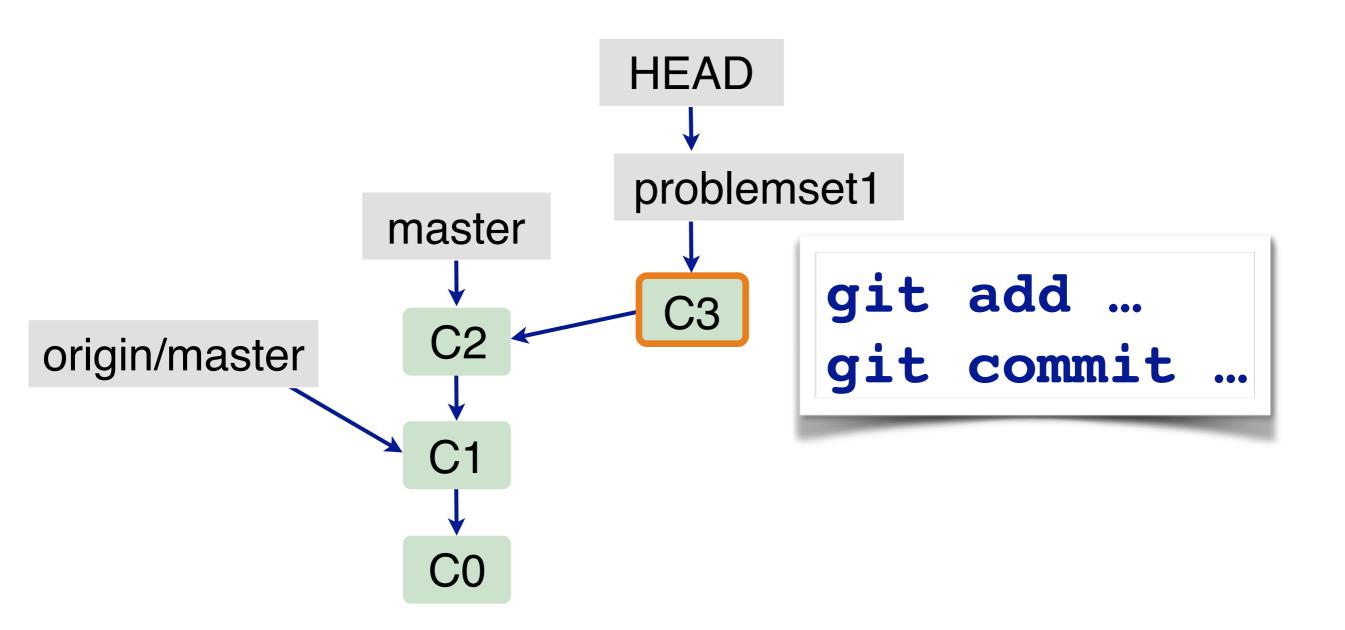
"origin" refers to the remote repo

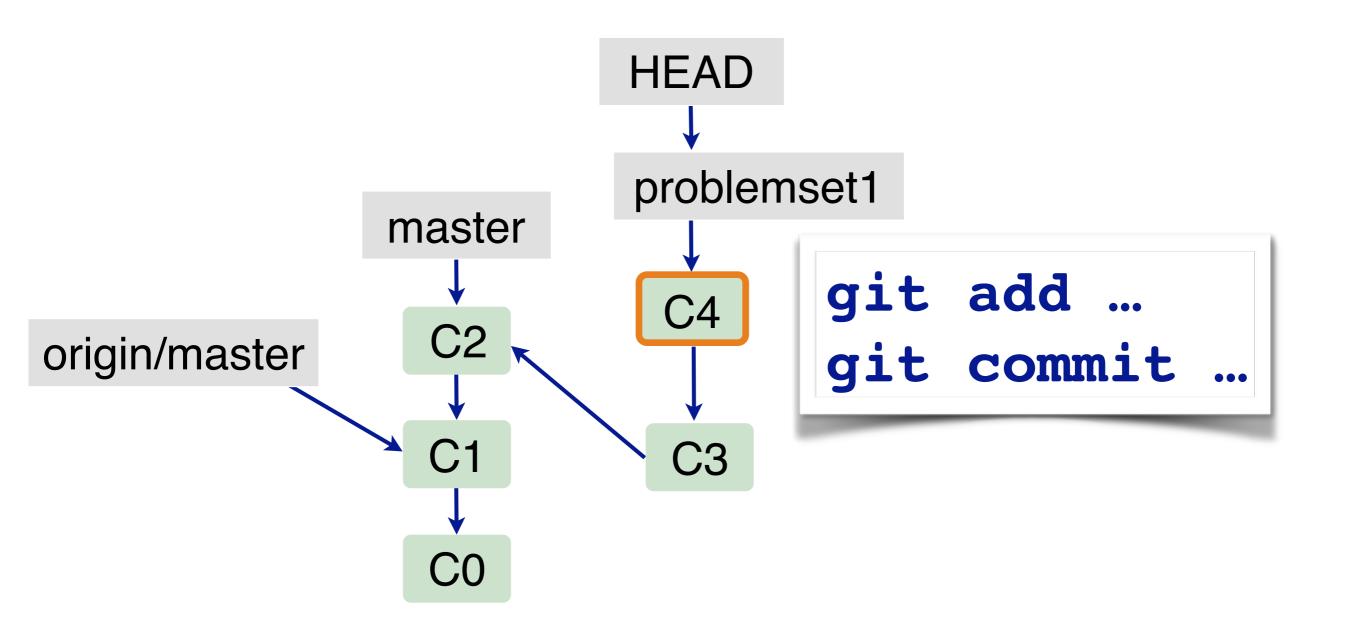


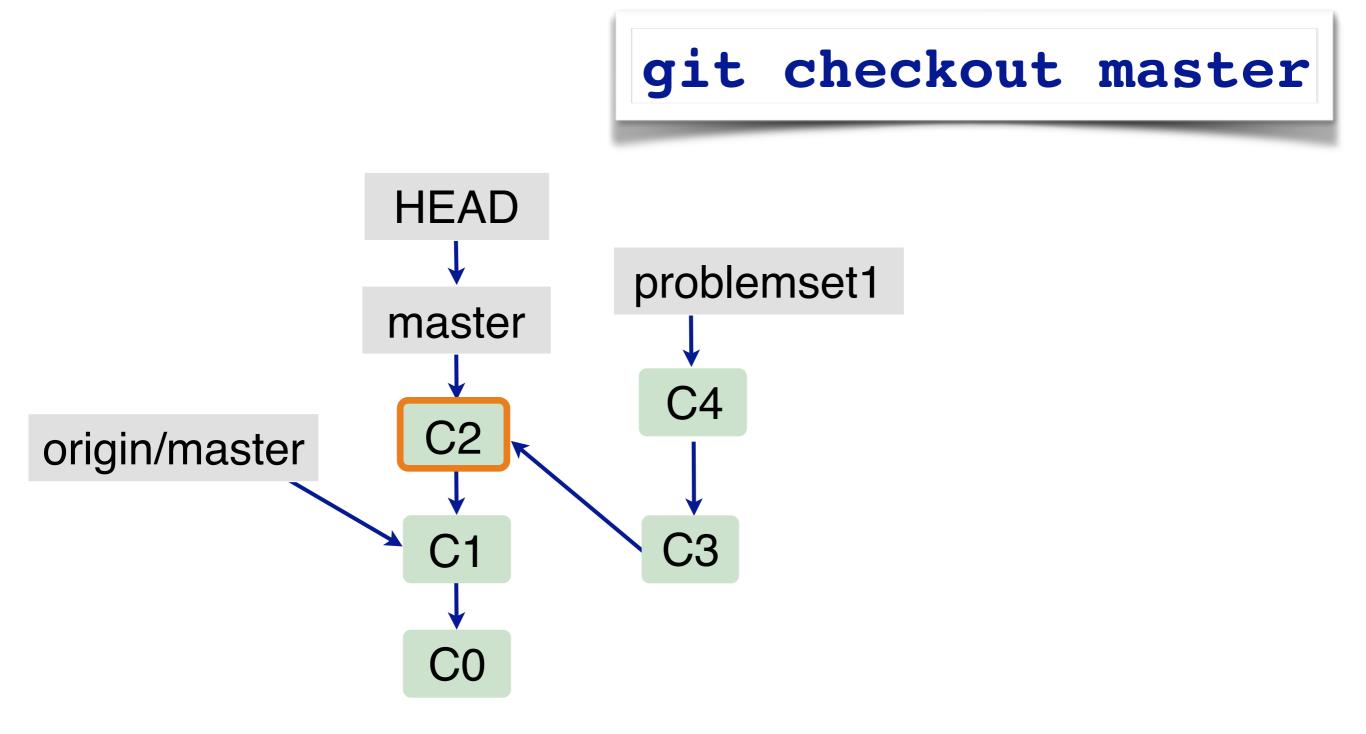


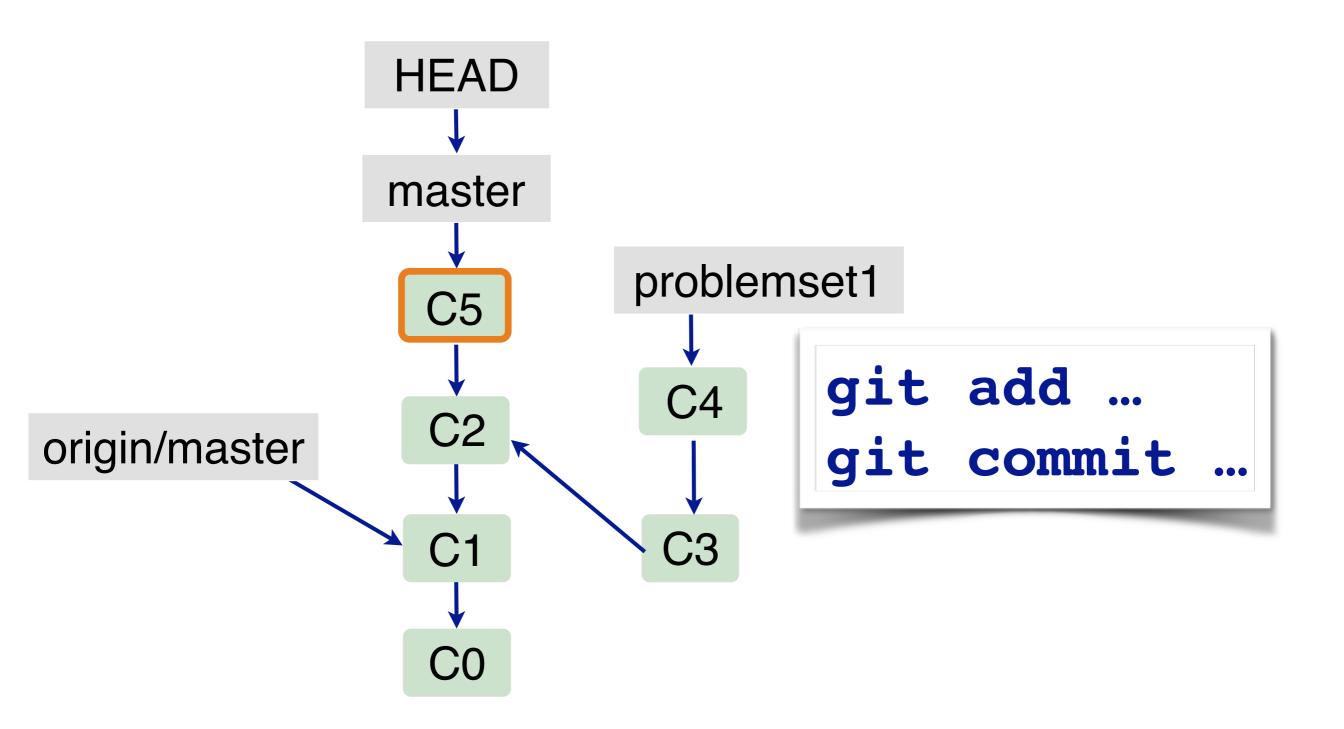


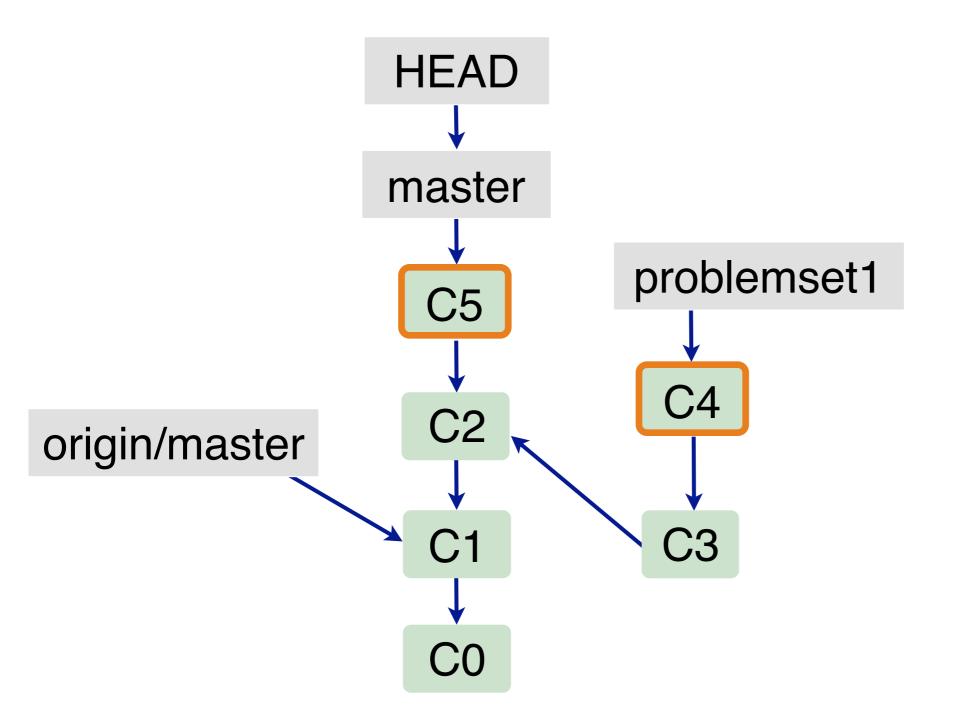


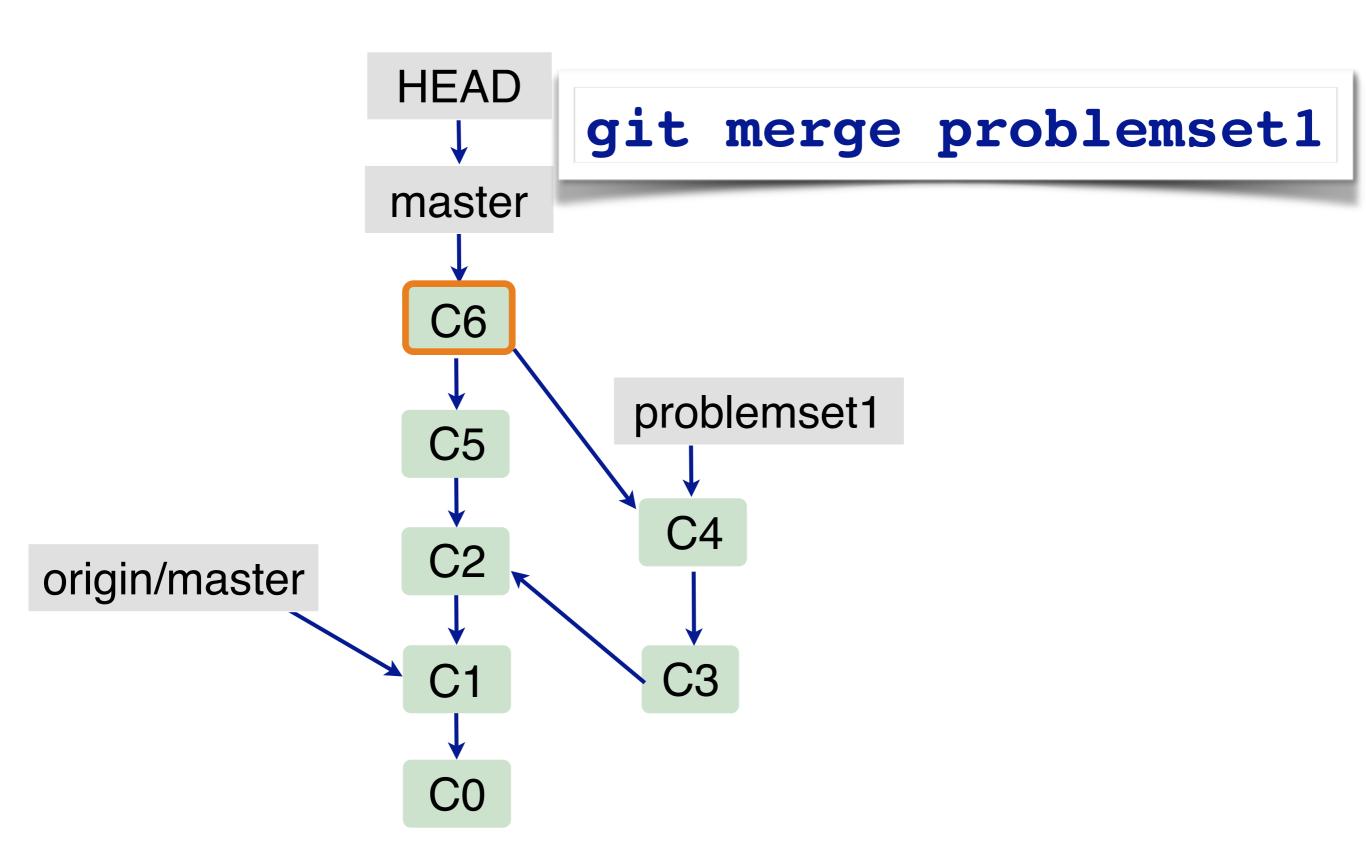


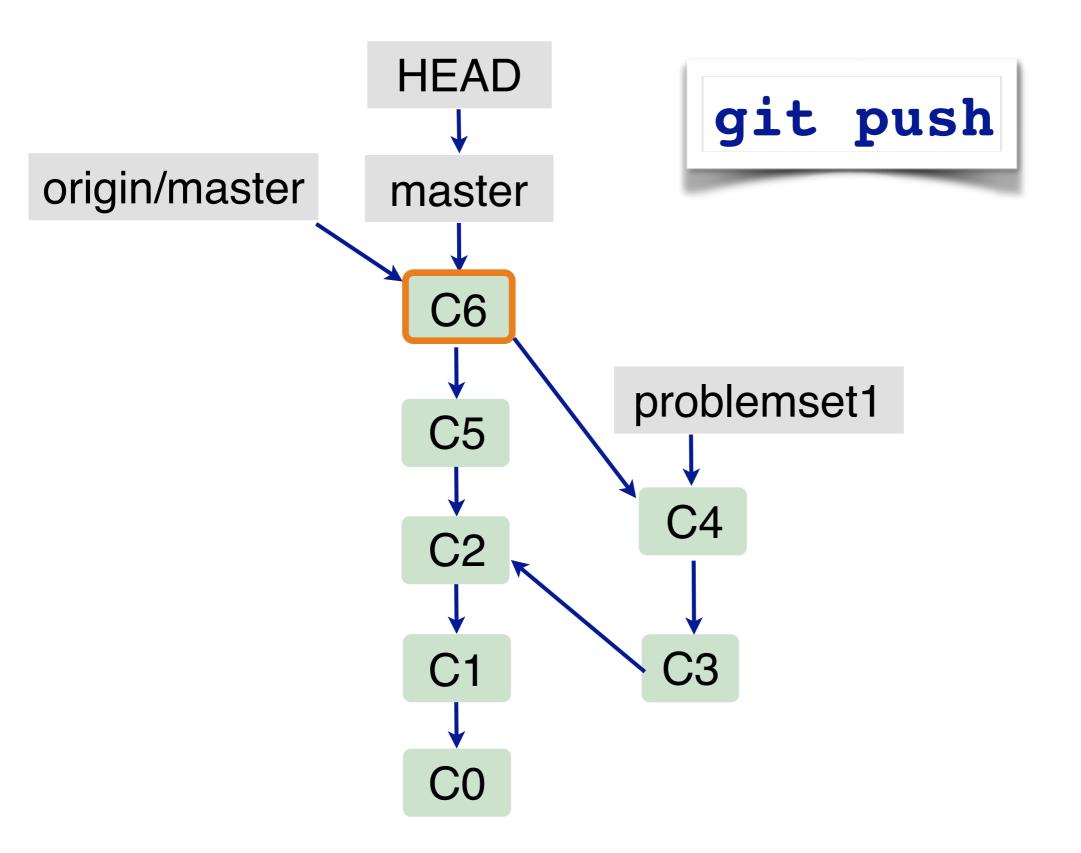












Commit messages matter!!!

caa45b7	🗘 hg
03d8a04	🗘 asdfasfas
50b2f86	🗘 sd
aabcdda	🗘 sdf
eade6e6	🗘 afasdf
2383abc	Commit corrections Problemset03
1d18d4f	Merge branch 'master' of haddock.unibe.ch:
d409b2b	updated corrections
43e0651	ojasdf
24fa587	🗸 added UML diagram
1112dc4	Corrected Problemset03: added assertions and javadoc
964623b	03/04
1a7ab8e	þ p4
5b15fa1	🗘 IDie
b8a031b	🗘 added test

game works as it should, with shouldRunGame. Test to be added for 50% coverage first stage now complete. added PlayerTest.

battleships01 first stage now complete. Added Player initialization randomly.

first stage completed.

deleted InvalidShipsList and added InvalidShipsListException

merge conflict

first steps for the first stage. Board almost complete. Ships to be created

Updated status of problemset04

problemset02 testWormholes fixed. problemset03 ParseStringTests deleted. Correct file

corrections problemsets 3–5, sorry for the delay

Merge branch 'master' of haddock.unibe.ch:p2ubungen

small mistake ith the deadline

Lab06 presentation

problemset06

2d706c3	Merge branch 'master' of haddock.unibe.ch:
91a4c41	Small change in Destroyer.java
0ebf5e9	carrier bugfixes + some more tests
a60db8b	Merge branch 'master' of haddock.unibe.ch:
44bd649	Merge branch 'master' of haddock.unibe.ch:
b5108e0	Merge branch 'master' of haddock.unibe.ch:
104bbe2	bsasadsfdgfs
da17a7d	Merge branch 'master' of haddock.unibe.ch:
f914ad5	Carrier Carrier
36dec4c	Merge branch 'master' of haddock.unibe.ch:
0100f0b	Merge branch 'master' of haddock.unibe.ch:
17c0b9c	Squashed commit of the following:
f6bf474	Merge branch 'master' of haddock.unibe.ch:
537de97	O Did some small changes
24dfbb2	O Improving Shiptest.java
8c546f6	O Merge branch 'master' of haddock.unibe.ch:
2387c0c	Improving ShipTest.java and Battleship.java
42e1938	working on adding the ships to the board representation (testing currently)
d5250f1	working on ship representation in board (+bugfixes)
aa28c25	Adding Battleship.java
533cd7b	Added ship cruiser
683a227	Added ship Destroyer & minor bugfixes
97eb528	Optimized some code
ae7f3d9	Merge branch 'p6TEST'
a87a4e6	Added a fancier String representation to the board
4928f52	Updated status of problemset04
8254a35	a

More to git

More to git ...

- > Merging and mergetool
- > Squashing commits when merging
- > Resolving conflicts
- > User authentication with ssh
- > gitx and other graphical tools
- > git configure remembering your name
- > git remote multiple remote repos
- > github an open source public repo

> ...



http://git-scm.com/

Resources



http://book.git-scm.com/index.html



http://www.slideshare.net/chacon/getting-git

http://oreilly.com/



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