GitHub





Announcements

- Teams allocated
 - Announce teams
- Sprint 0 due this Friday



Key git concepts: quick overview

- 1. What is staging?
 - 1. What is the command you will use?
- 2. When you do a commit where are you "saving" your changes
- 3. Why would you create branches
 - 1. What is a master branch
- 4. What is a HEAD
- 5. Whats a "remote" repository
 - 1. What is origin?
- 6. Whats the difference between Pull and Push
- 7. When will you clone a repository vs pull changes



What is GitHub?

- Largest web-based git repository hosting service
 - Aka, hosts 'remote repositories'
- Allows for code collaboration with anyone online
- Adds extra functionality on top of git
- UI, documentation, issue tracking, code reviews, Pull Requests



Workflow with Branches

In Git, you can separate your changes by using branches

git branch <name> will create a new branch

Once the changes are done, you need to "push" those changes to GitHub

Update the team repo through a Pull Request (PR)

Delete the branch once your PR has been accepted

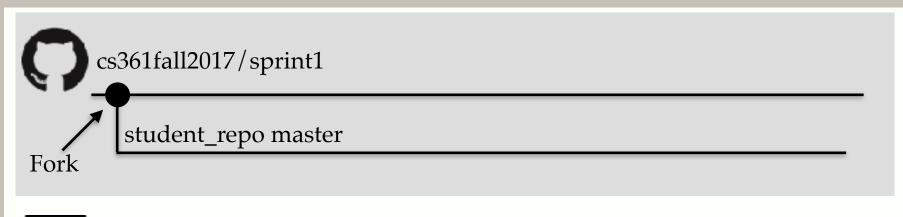




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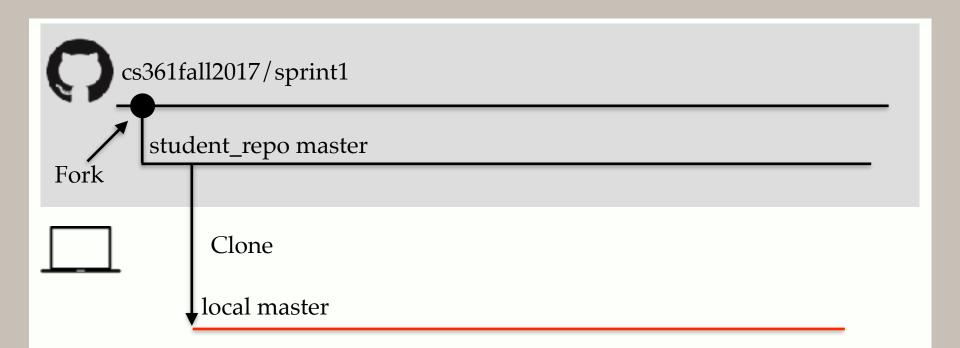


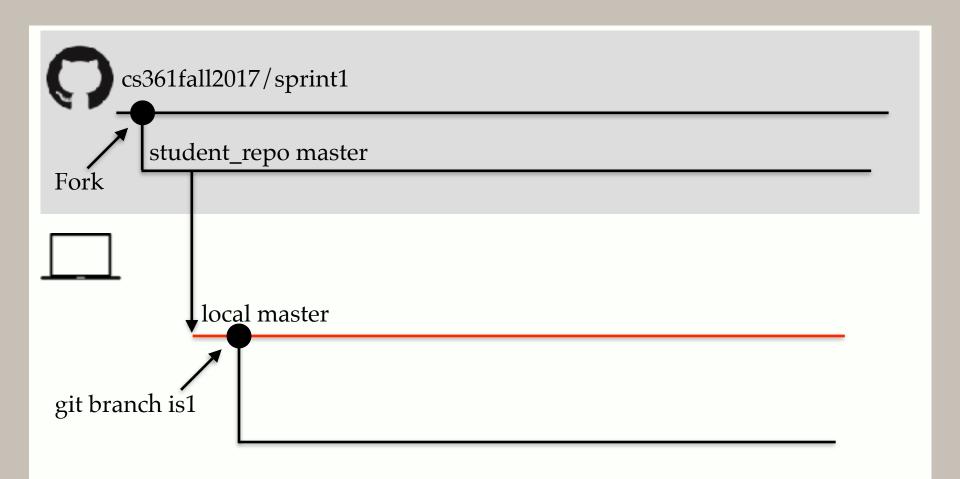


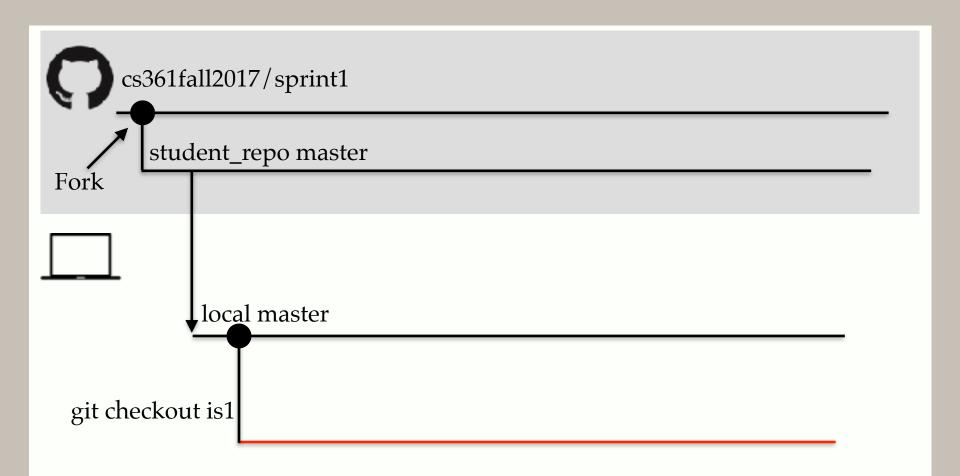


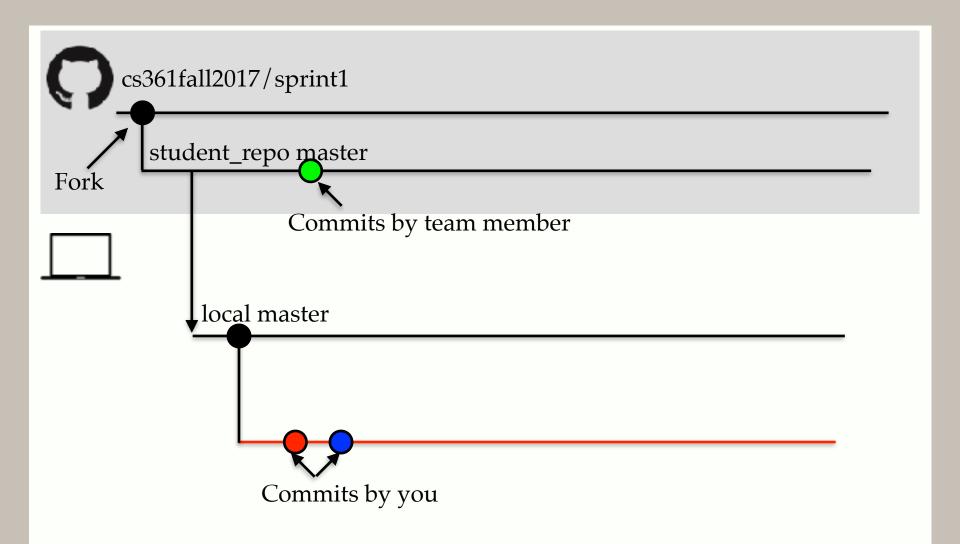


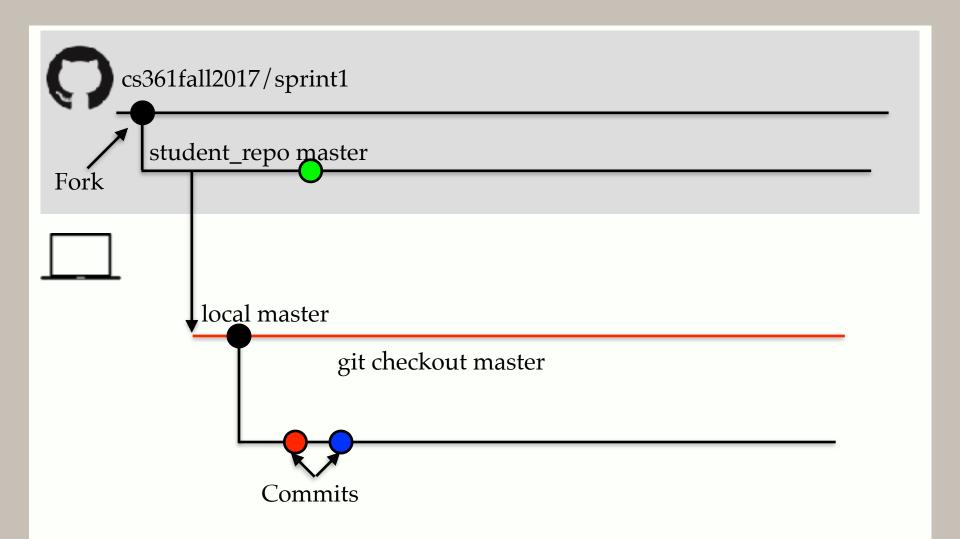


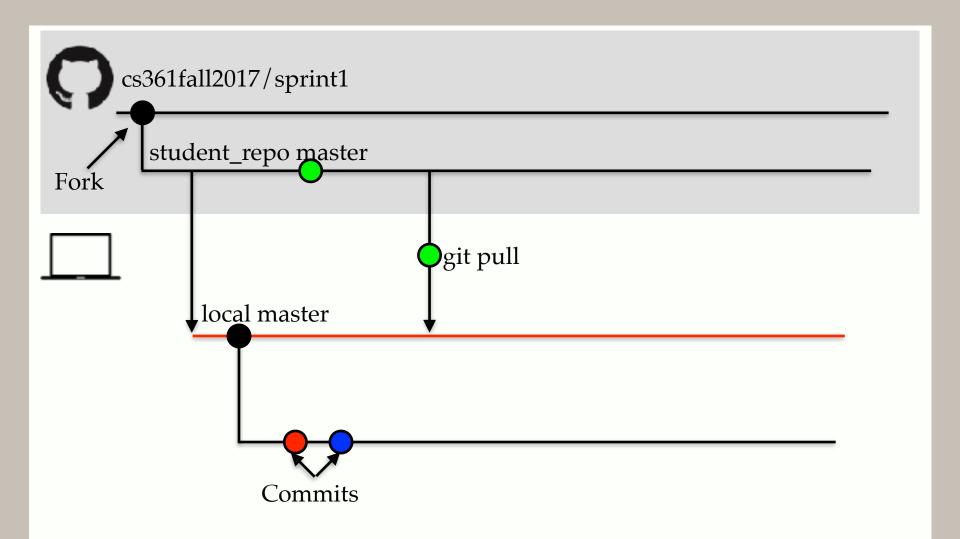


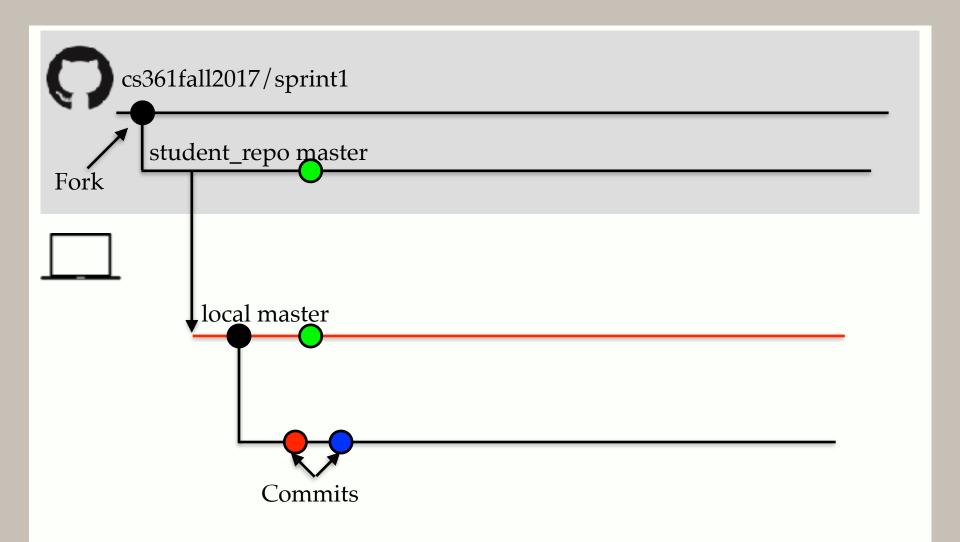


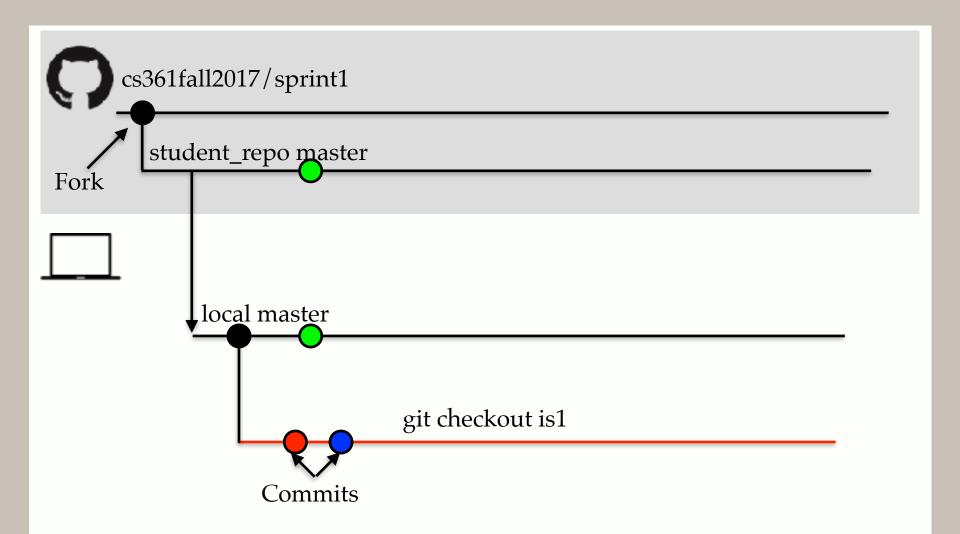


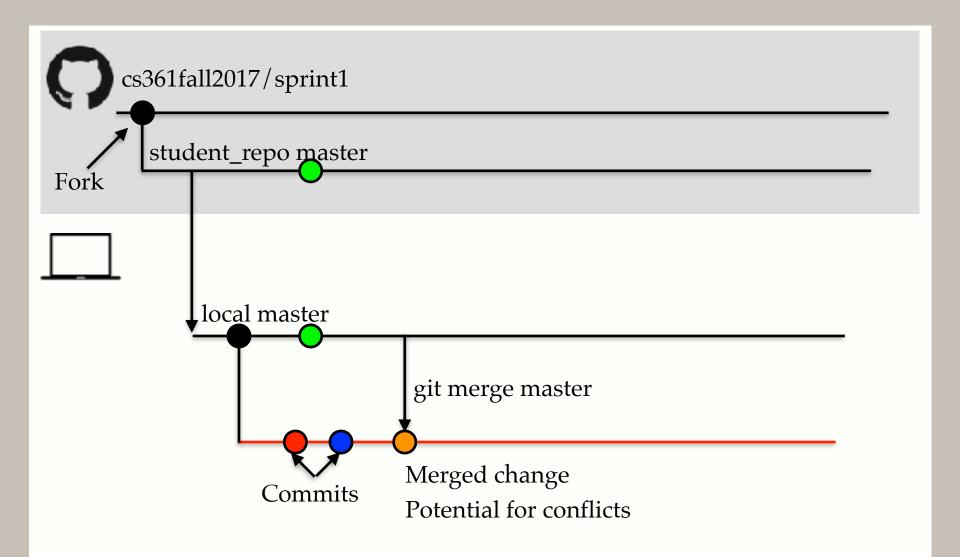


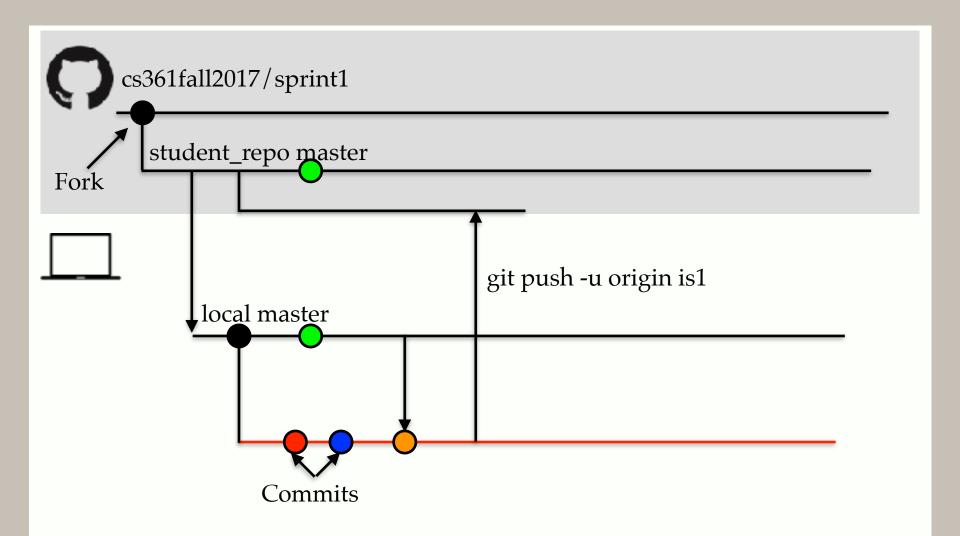


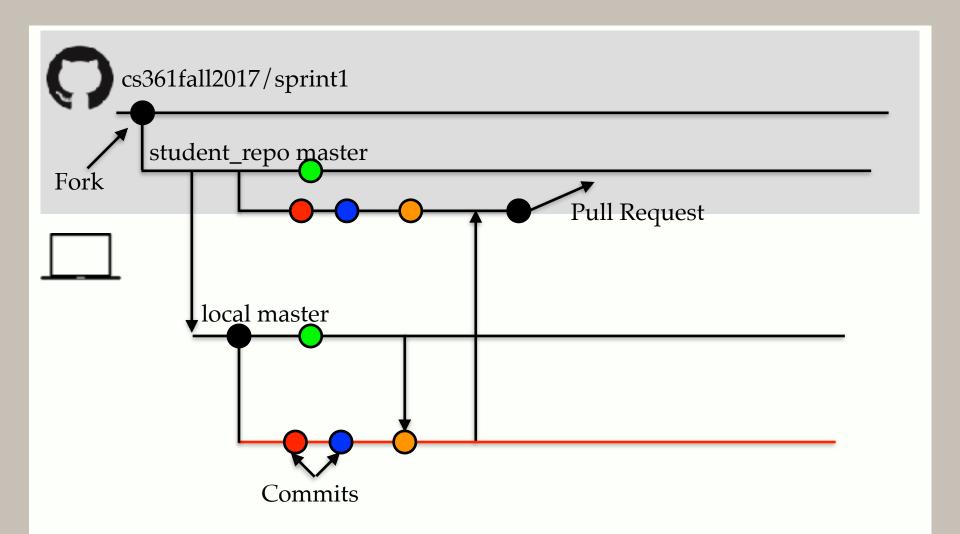


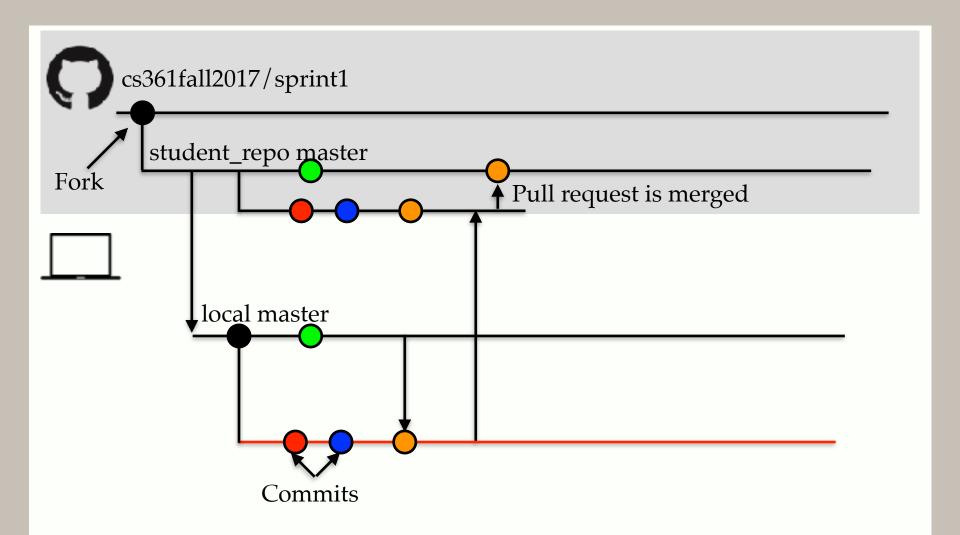


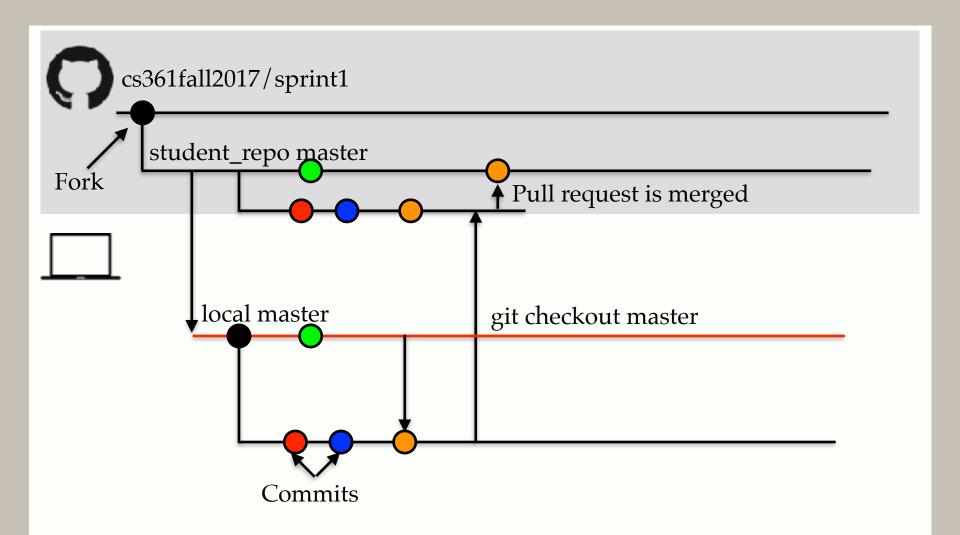


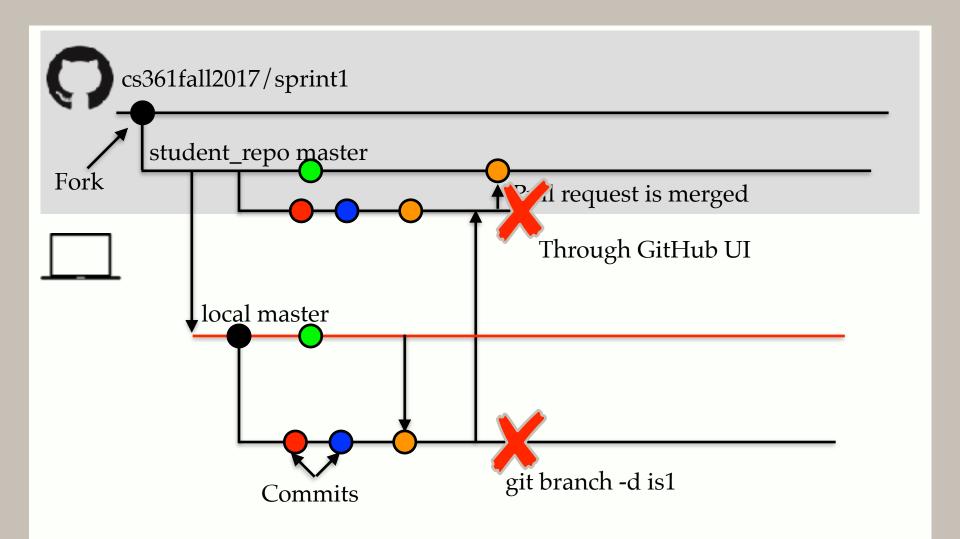






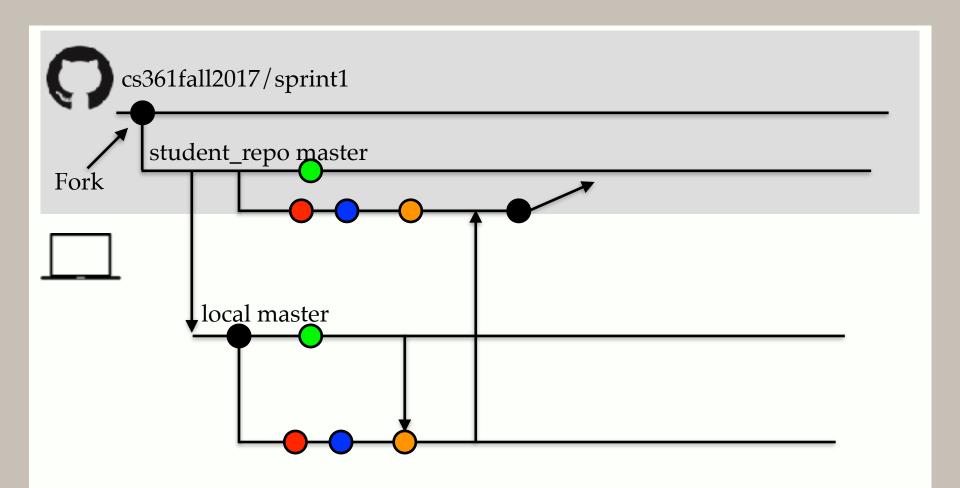




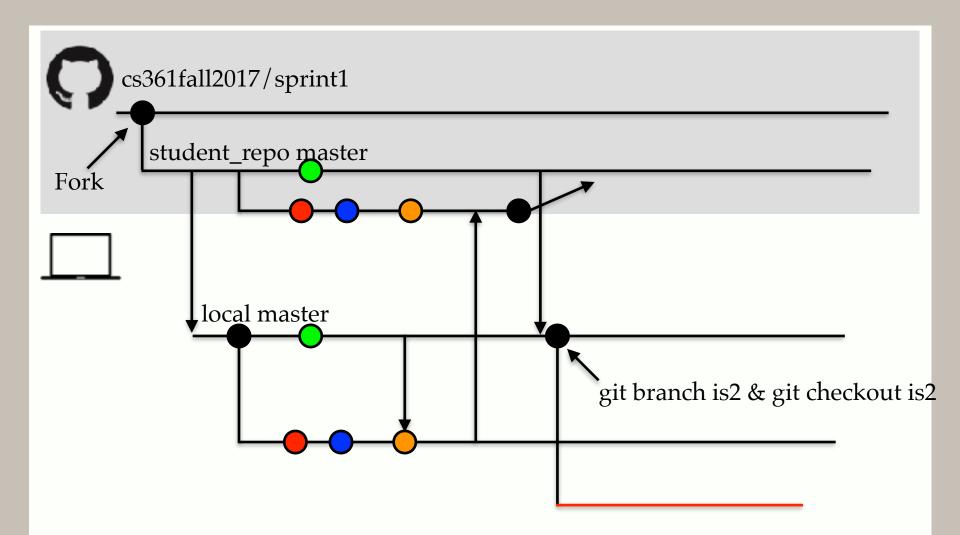


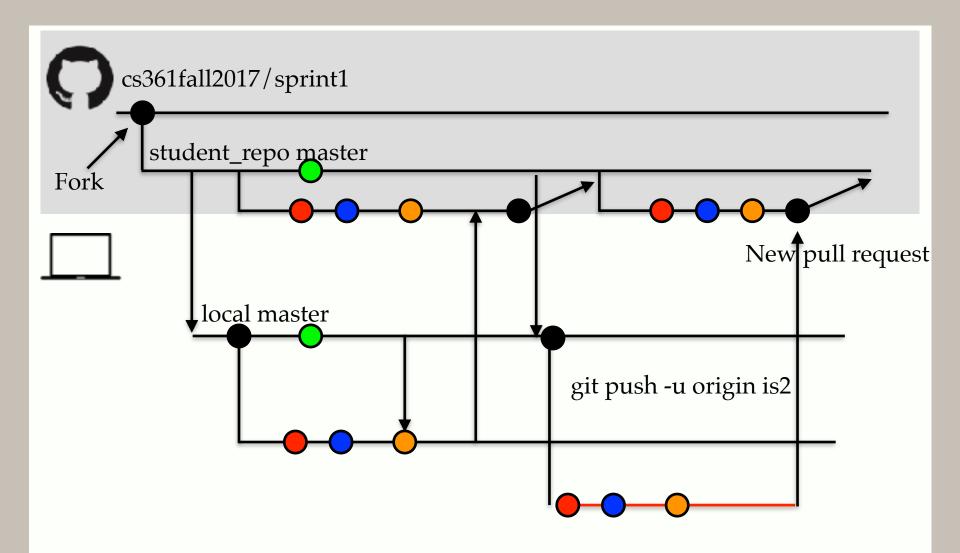
Multiple active pull requests











Additional Resources

Official git site and tutorial:

https://git-scm.com/

GitHub guides:

https://guides.github.com/

- Command cheatsheet: https://training.github.com/ kit/downloads/github-git-cheat-sheet.pdf
- Interactive git tutorial: https://try.github.io/levels/1/ challenges/1
- Visual/interactive cheatsheet:

http://ndpsoftware.com/git-cheatsheet.html



Next week

- Software Development LifeCycle
- Generating requirements
 - User stories
- Discuss Sprint 1



Demo

