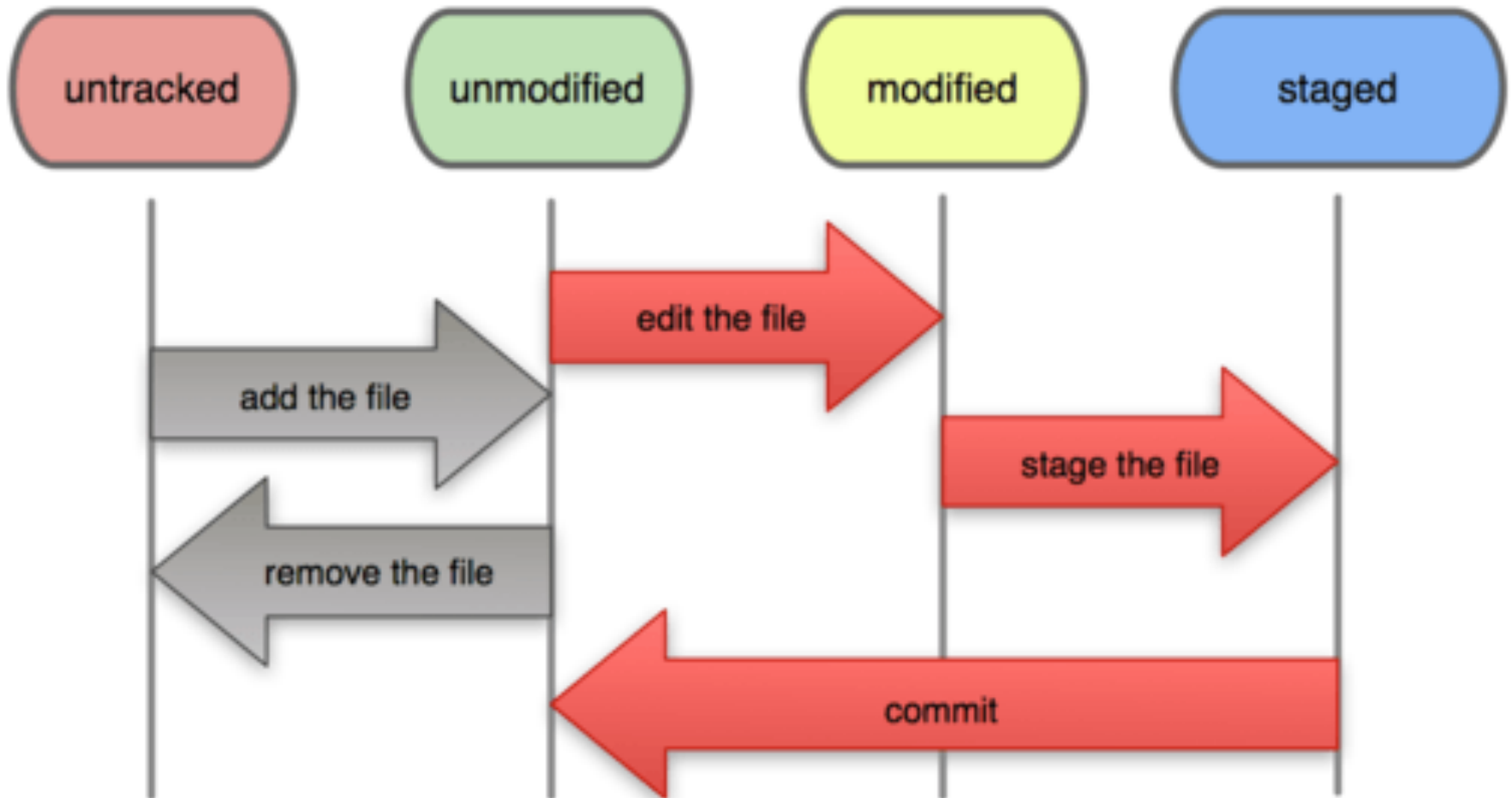# Intro to Git

HILT 2014

Version Controlling

- Save different versions of the project over time.

- Can recover any one of those iterations.

- Nothing is ever lost.

Git

- Distributed Version Control System (DVCS)
- Each clone gets the entire project history
- Code exists, in full, everywhere.
- Allows easy collaboration via Github.

File Status Lifecycle

Workflow with commands

- Modify a file (in a text editor)
- Add that file to the staging area
  - $ git add file_name
- Commit it to the repository
  - $ git commit
- Start process over.

Commands We'll Learn

git init

git status

git add .

git commit –m

git push

git branch

git checkout

git merge

git diff

git log

Where to go Next

- git documentation
  - http://git-scm.com/doc
- git for Ages 4 and Up
  - http://youtu.be/1ffBJ4sVUb4