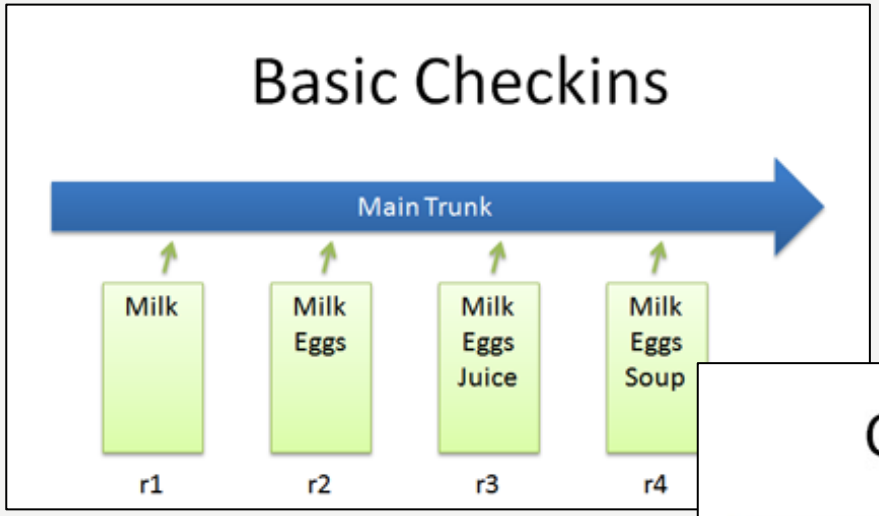
VERSION CONTROL SOFTWARE

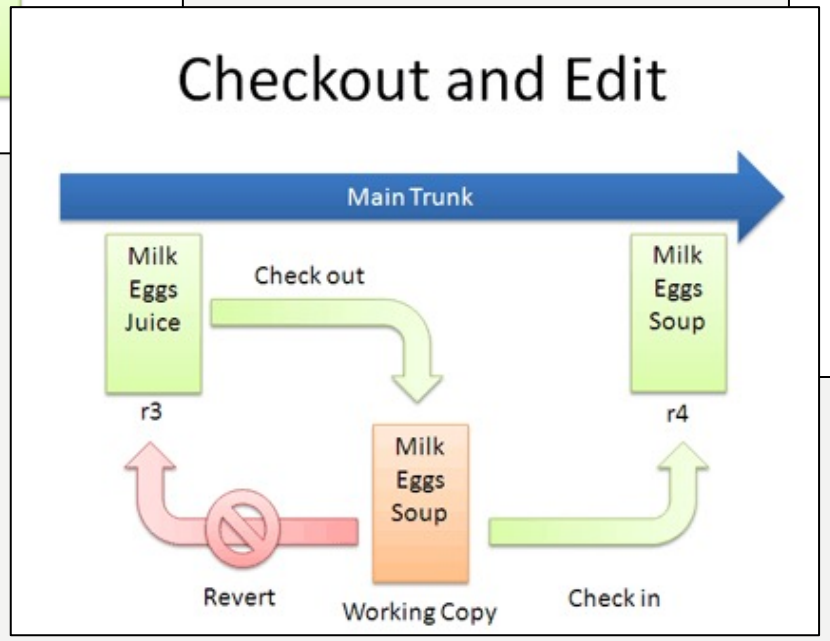
WHY VERSION CONTROL?

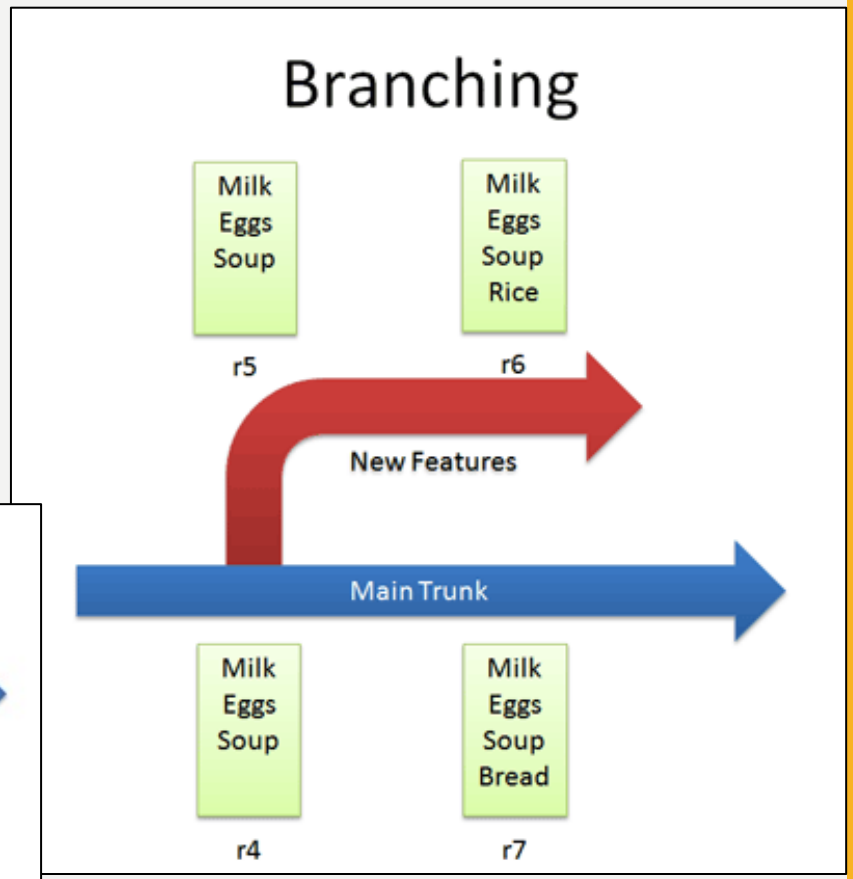
Originally for software developers

- For working by yourself
- For working with others
- For getting an internship or job

CHECK-INS, CHECKOUTS, AND BRANCHING







VERSION CONTROL SYSTEMS

- Version control (or revision control, or source control)
  - managing multiple versions of documents, programs, web sites, etc.
- CVS, Subversion, Mercurial, and Git
- Mercurial and Git - newer / better
- Concurrent Versions System (CVS)
- Apache Subversion (SVN)
- Git
- Mercurial

Why Git?

- Git has many advantages over earlier systems such as CVS and Subversion
  - More efficient, better workflow, etc.
  - See the literature for an extensive list of reasons
  - Of course, there are always those who disagree
- Best competitor: Mercurial
  - Same concepts, slightly simpler to use
  - The Eclipse plugin is easy to install and use
  - Much less popular than Git

ONLINE (HOSTED) GIT SOLUTIONS

- Github: github.com
- Bitbucket: bitbucket.org
- Heroku: heroku.com

https://xkcd.com/1296/