GitHub Workflow

Goal:

* Allow concurrent editing by multiple users
* Avoid making changes to main
* Create a branch, make changes to the branch, and merge the branch with main

Download and make edits

1. Download the latest branch
   1. > git clone /path/to/repository (first time only)
   2. > git pull
2. Create a branch named "feature\_x" and switch to it to make your edits
   1. > git checkout -b feature\_x
3. To make your branch visible to others, push the branch to your remote repository
   1. > git push origin <branch>

Merge edits

1. Switch to the master branch and pull the latest
   1. > git checkout master
   2. > git pull
2. Preview a merge by comparing branches
   1. git diff <source\_branch> <target\_branch>
3. Automatically merge <branch> to your current branch (presumably master)
   1. > git merge <branch>
4. If conflicts occur, manually edit the file(s) and type
   1. > git add <filename>
   2. > git commit –m “message”
   3. > git push

More Information:

http://rogerdudler.github.io/git-guide/