Git/GitHub Hands-On

We'll work in pairs: User A and User B

1. User A

- Go to your GitHub account (let's assume it's https://github.com/userA) and create a new repository (let's call it "TestRepo")
- In the project you've been working so far, connect your local repository to GitHub. In shell, run:

git remote add origin https://github.com/userA/TestRepo

• Push your local repository to GitHub

git push -u origin master

2. User B

- Log into your GitHub account (let's assume it's https://github.com/userB)
- Fork user A's repository on GitHub: go to https://github.com/userA/TestRepo and click the "Fork" button.
- Clone *your* version of that repository locally:
 - 1. in RStudio, "create a project" and choose "version control"
 - 2. choose "Git: clone a project from a Git repository"
 - 3. enter repository URL: https://github.com/userB/TestRepo
- Change a file, and another file
- Add and commit your changes
- Push the changes to GitHub: click on "up arrow" in the Git tab
- Make a pull request:
 - Go to your version of the repository on GitHub (https://github.com/userB/TestRepo)
 - Click "Pull requests"
 - Click "New pull request"
 - Click "Create pull request"
 - Optionally add a comment
 - Click "Create pull request"

3. User A

- Connect to User B's repository:
 - git remote add userBrepo https://github.com/userB/TestRepo
- Fetch the changes from User B:
 - git fetch userBrepo
- Create their version of the repository as a local branch:
 - git branch userB userBrepo/master
- In RStudio, switch to branch "userB" and check that you like the changes
- Switch back to your master branch
- Note that the files are in the state that you left them.
- Merge their work into your master branch:
 - git merge userB
- Push the work to GitHub.
- Make another change to the file; then add, commit, and push.