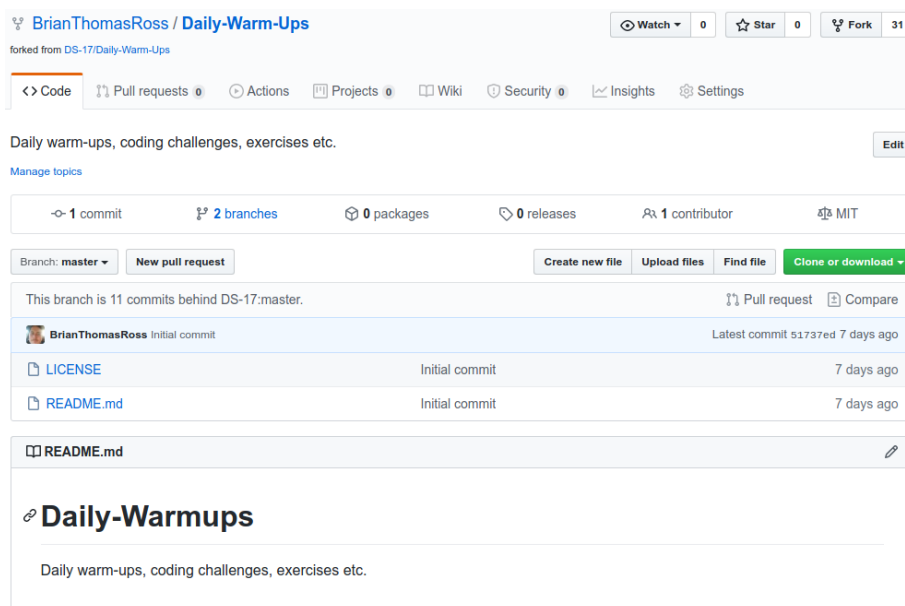# Git fundamentals (group exercise)

For you warm up this morning you'll need to pull the changes to this repository to your own forks.

If you navigate to:

```
https://www.github.com/<YOUR-USERNAME>/Daily-Warm-Ups
```

You'll find a page that looks something like this

Two important points here are that we are behind the "upstream" master.

Take 5 minutes to read the following post on stack overflow which goes more into what `upstream` and `downstream` mean in the context of **distributed version control systems** like `git`.

Discuss what advantages and disadvantages such systems provide for:

- employers
- developers
- from a scientific perspective

Share your groups thoughts in the `#ds17` channel on slack.

Pulling changes to your fork:

First click the `New pull request` **button**:

-o- **1** commit   ⅏ **2** branches

h: **master ▾**   **New pull request**

branch is 11 commits behind DS-17:master

In the first drop down menu select your fork

Choose two branches to see what's changed or to start a new pull re

⇅   base repository: **DS-17/Daily-Warm-Ups ▾**   base: **master ▾**

Choose a Base Repository

| Filter repos |

✓ DS-17/Daily-Warm-Ups

BrianThomasRoss/Daily-Warm-Ups

AndrewArnett/Daily-Warm-Ups

IBMikeNichols/Daily-Warm-Ups

JeremySpradlin/Daily-Warm-Ups

John-G-Thomas/Daily-Warm-Ups

JonRivera/Daily-Warm-Ups

Lucas-Petrus/Daily-Warm-Ups

Stark-Logan/Daily-Warm-Ups
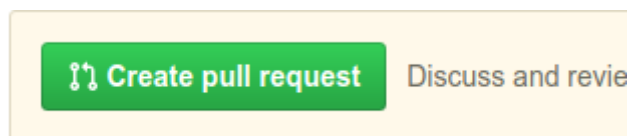
Techvolutions05/Daily-Warm-Ups

allan-gon/Daily-Warm-Ups

here isr

mmits from

Sho   letions.

commit

© 2020   elp

Select "compare across forks"

d to, you can also compare across forks.

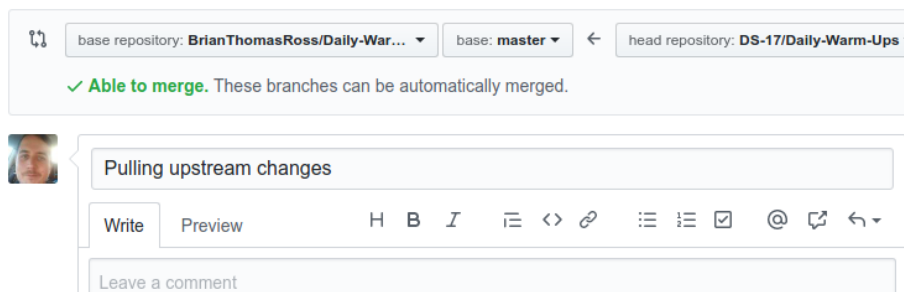**Now in the second drop down select the upstream master**
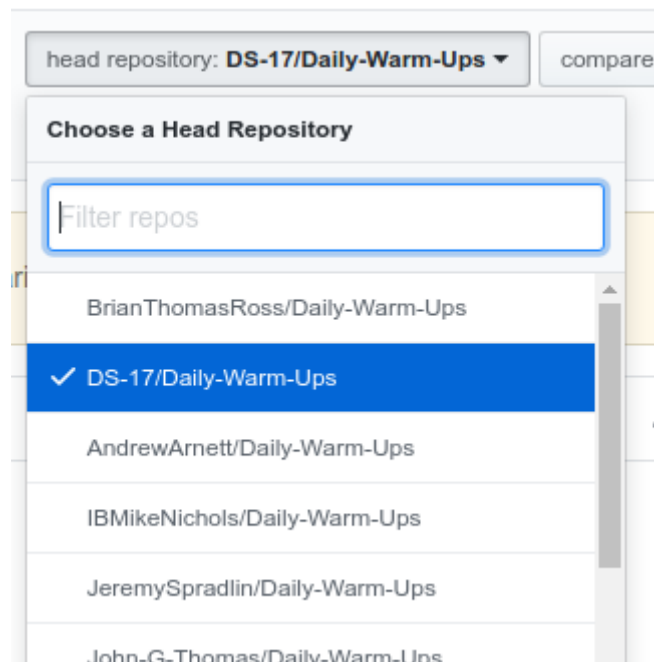
Then create pull request

Title the pull request appropriately

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across fo

base repository: **BrianThomasRoss/Daily-War...** ▾   base: **master** ▾   ←   head repository: **DS-17/Daily-Warm-Ups** ▾

✓ **Able to merge.** These branches can be automatically merged.

Pulling upstream changes

Write   Preview   H B *I*   ≣ <> 🔗   ≔ ≔ ☑   @ 🗗 ↩▾

Leave a comment

Then submit it and on the bottom of the next page you will see an option to merge the changes, click that and confirm, and …

In the `DS-17/Library` repository you will find a copy of Pro Git

Take some time in your groups to skim through the book and share with the main channel any interesting things you find!

Also feel free to submit your own contributions to the DS17 Library, when submitting to the Library a template has been set up to assist in you in providing the proper information.

Take the rest of the time before lecture to go over the days materials in the training kit, and remember to take a short break for 5-10 minutes to get up, walk around or stretch.