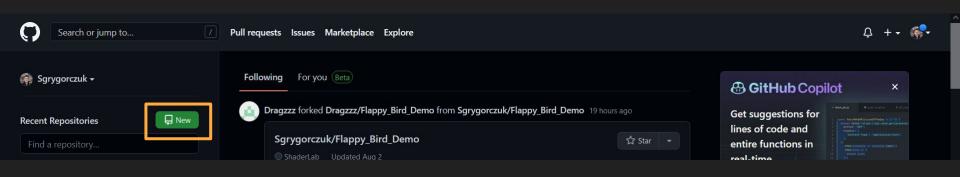
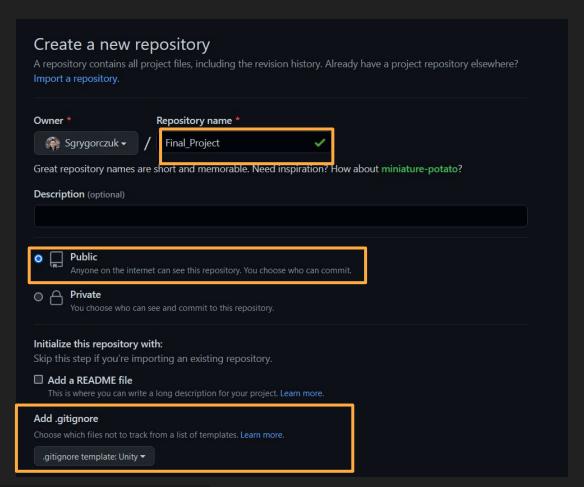
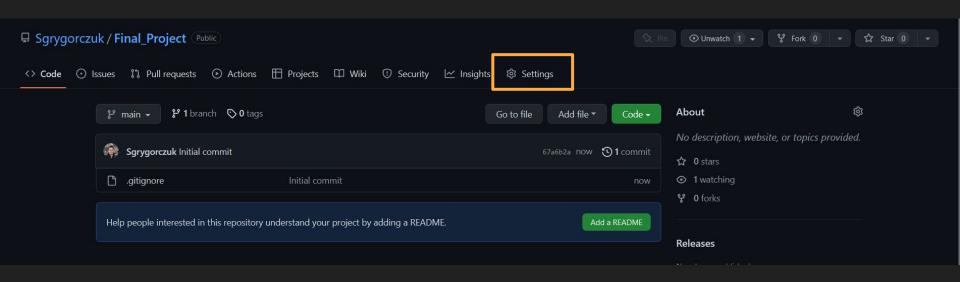
GitHub and Code Sharing

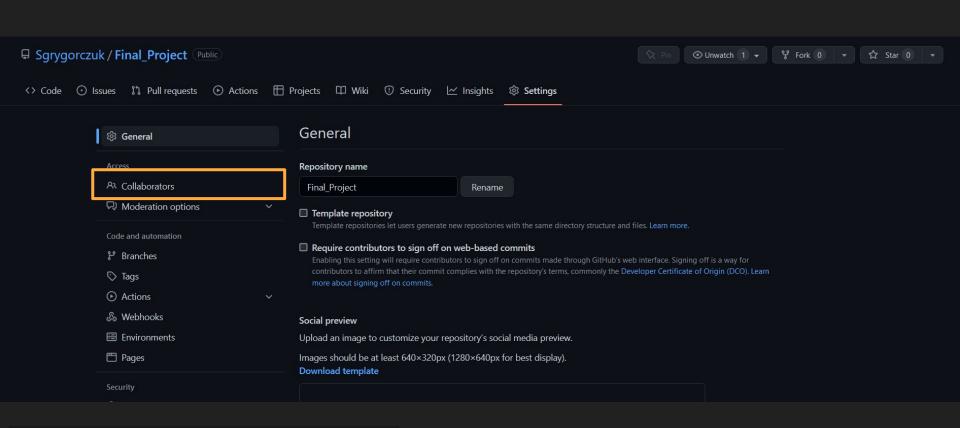




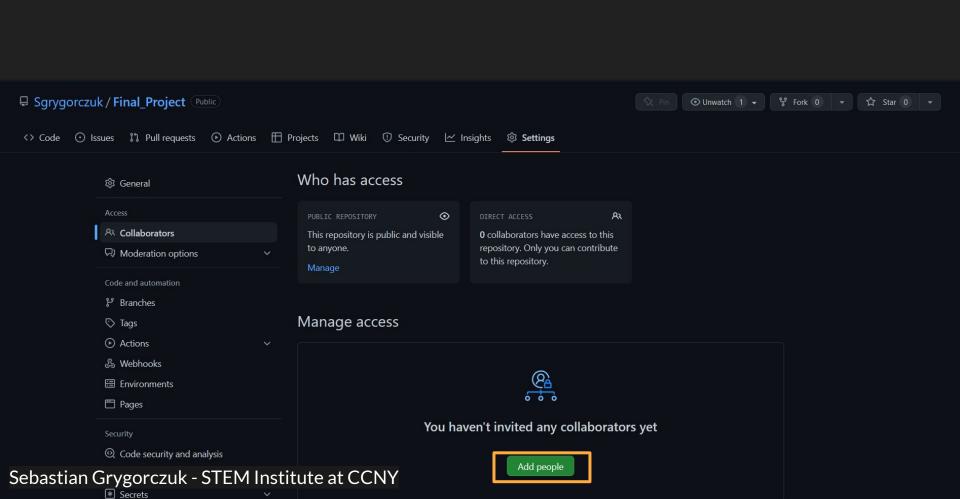
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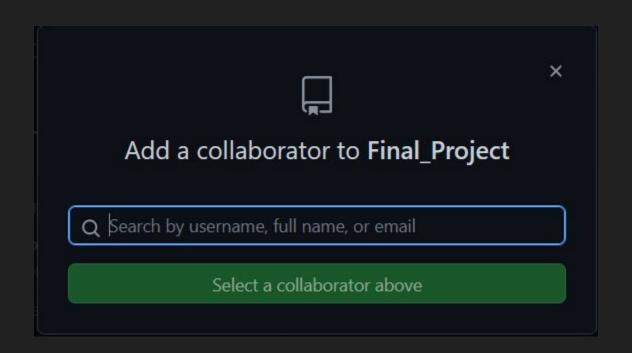


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GitHub Clone

Cloning a repository pulls down a full copy of all the repository data that GitHub.com has at that point in time, including all versions of every file and folder for the project.

Just like we've been doing you just download the files wholesale.

GitHub Commit & Push

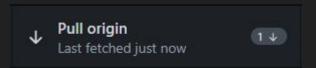
Committing is saying that the changes you've done on your computer are done and ready to be uploaded online.

Push allows you to move whatever you've done in the commit online.

GitHub Pull

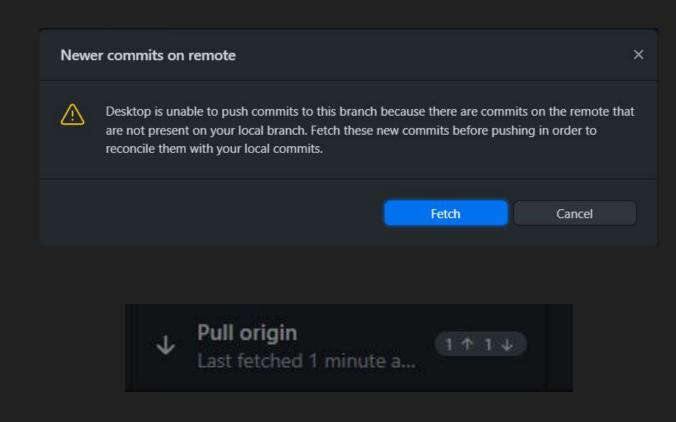
Pull allows you to download any changes that have been made to the repository so that your local version is missing.

It's best to pull any changes before you start editing and pushing your own changes as it may create conflicts or overwrite previous work.



Git Conflicts

If you made a commit and start to push GitHub will check if there are anything pulls you had to do. If so it will give you a pop up asking you to fetch any of the changes that have been done.

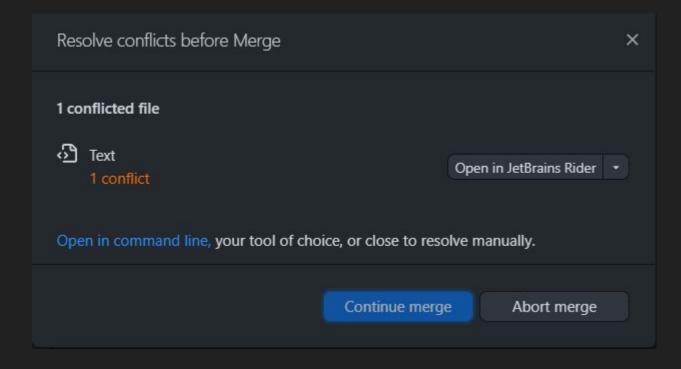


GitHub Conflicts

→ Pull origin

Last fetched 1 minute a...

If you do get to a point where the current version that is uploaded and the version you are trying to upload changed the same files you will get a Conflict and will have to Merge



Merging Conflicts

Merging Conflicts will require the collaborators to sit down and pick which version of the code will be the one that is kept.

<><< HEAD inciting all of the code that's being pulled

===== is separating the two versions

>>>> Showing where the changes end

```
ZWNBSPusing System;
public class Class1
   public Class1()
       print("Hello Wolrd");
ZWNBSPusing System;
public class Class1
   public Class1()
       print("A");
       cb9ccd5f01eba9e8072cc794f95ce919a5d1cf4d
```

Merge Conflict

You combine the two section into one you think works best in this case I put in both print function into the Class1(), but depending on the situation you might want to keep one or the other.

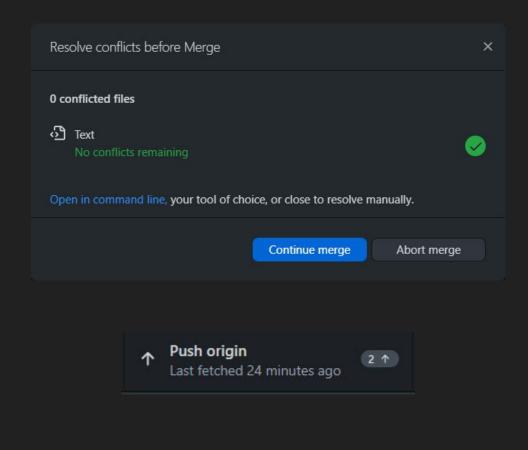
Make sure you remove all of the indicators from the code >>> ===== <<< and the names of the branches.

```
using System;
Sgrygorczuk * 💠 IL code
public class Class1
    Sgrygorczuk*  IL code
    public Class1()
         print("A");
         print("Hello Wolrd");
```

Merge

When you are resolving the problem you're basically pulling the data and saving it onto your computer

Once you resolve the problem(s) you will be able to continue to merge which creates a new commit with your changes that you will be able to push to the online repository.



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