

Setup for HW1

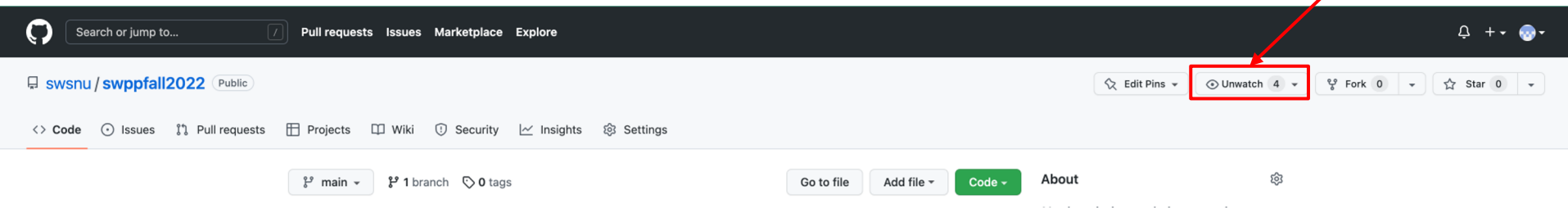
Please **Watch** swppfall2022 Repo!

All class-wide announcements will be posted on GitHub.

Make sure you watch the class repo to receive notifications.

- <https://github.com/swsnu/swppfall2022>

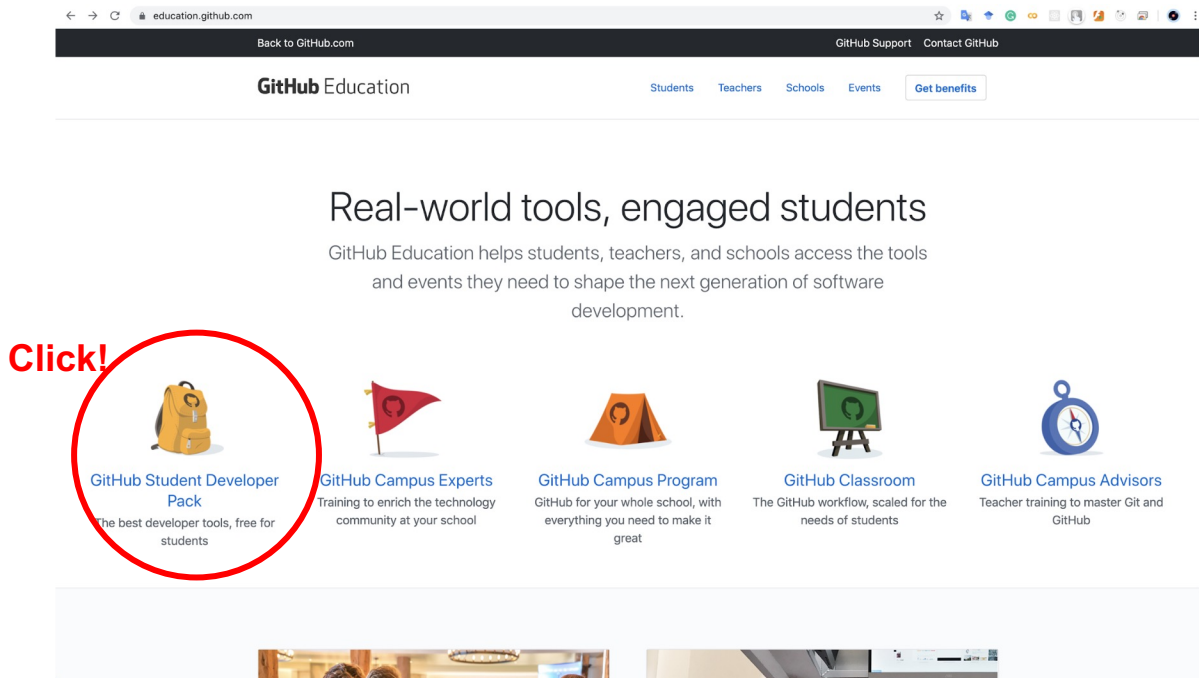
CLICK!



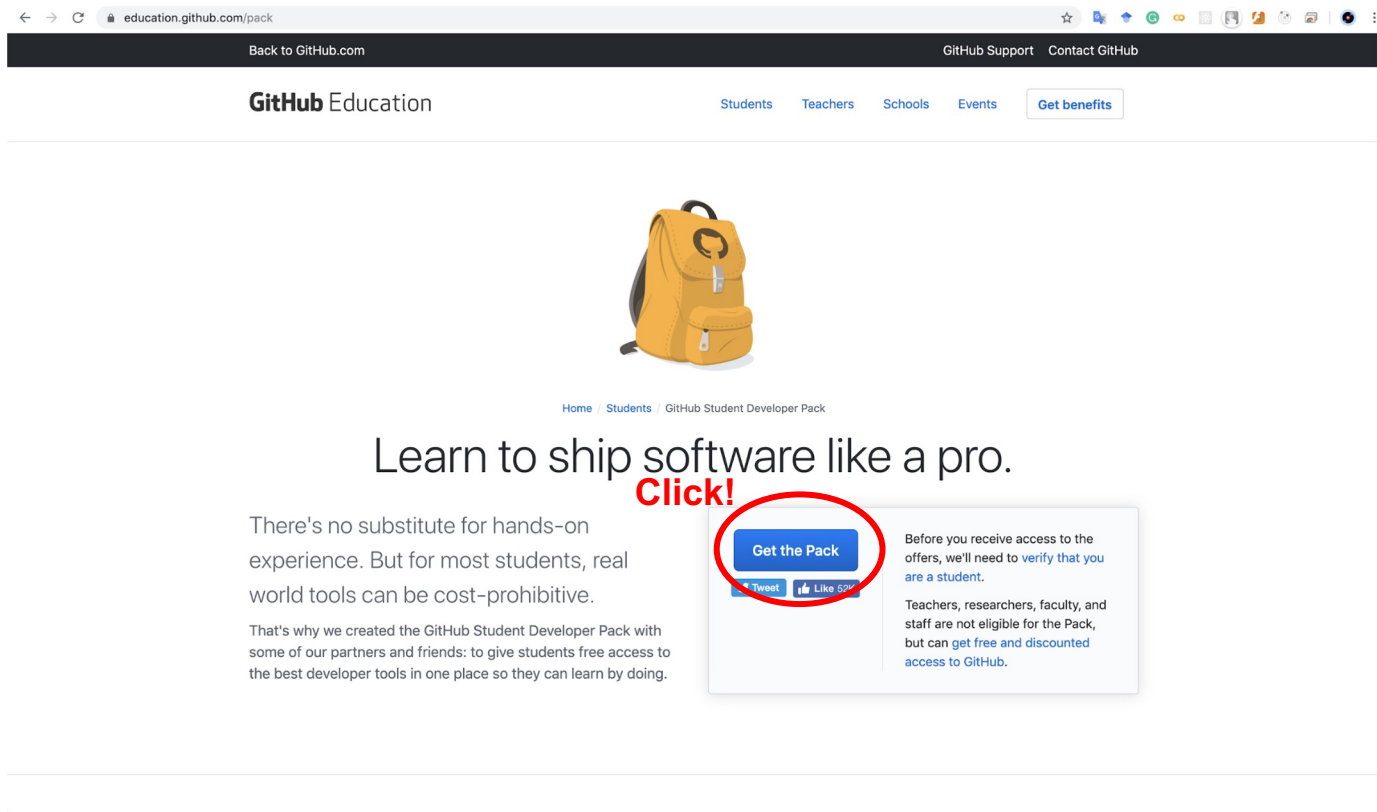
How to Setup HW1 & Git Basic

Git Student Developer Pack

- First, sign up to [github](https://github.com/) and goto <https://education.github.com/>



Git Student Developer Pack



The screenshot shows the GitHub Student Developer Pack landing page. At the top, there's a navigation bar with 'Back to GitHub.com', 'GitHub Support', and 'Contact GitHub'. Below this is the 'GitHub Education' header with links for 'Students', 'Teachers', 'Schools', 'Events', and a 'Get benefits' button. The main content area features a yellow backpack icon with the GitHub logo. Below the icon is a breadcrumb trail: 'Home / Students / GitHub Student Developer Pack'. The headline reads 'Learn to ship software like a pro.' followed by a red 'Click!' annotation pointing to a 'Get the Pack' button. To the left of the button, text explains that while there's no substitute for hands-on experience, real world tools can be cost-prohibitive, which is why the pack was created to provide free access to developer tools. To the right of the button, a text box explains that before receiving access, users need to verify they are a student, and that teachers, researchers, faculty, and staff are not eligible for the pack but can get free and discounted access to GitHub. Social sharing buttons for 'Tweet' and 'Like 52K' are also visible.

education.github.com/pack

Back to GitHub.com

GitHub Support Contact GitHub

GitHub Education

Students Teachers Schools Events Get benefits

Home / Students / GitHub Student Developer Pack

Learn to ship software like a pro.

Click!

There's no substitute for hands-on experience. But for most students, real world tools can be cost-prohibitive.

That's why we created the GitHub Student Developer Pack with some of our partners and friends: to give students free access to the best developer tools in one place so they can learn by doing.

Get the Pack

Tweet Like 52K

Before you receive access to the offers, we'll need to [verify that you are a student](#).

Teachers, researchers, faculty, and staff are not eligible for the Pack, but can [get free and discounted access to GitHub](#).

Create Repository

Create a new repository


A repository contains all project files, including the revision history. Already have a project repository elsewhere?
[Import a repository.](#)

Repository template

Start your repository with a template repository's contents.

No template ▾

Owner *

 hy00nc ▾

Repository name *

swpp-hw1-hy00nc ✓

1. Set repository name as **swpp-hw1-\${YOUR_USERNAME}**

Great repository names are short and memorable. Need inspiration? How about **bug-free-dollop**?

Description (optional)

Be Case Sensitive ! (important)

☐

Public

Anyone on the internet can see this repository. You choose who can commit.

☒

Private

You choose who can see and commit to this repository.

2. Mark as Private!!!!!!

Skip this step if you're importing an existing repository.

☐ Initialize this repository with a README

This will let you immediately clone the repository to your computer.

Add .gitignore: None ▾

Add a license: None ▾



Create repository

3. Create

Invite TAs as Collaborators

Manage access

Add people

☐ Select all

Type ▾

🔍 Find a collaborator...

☐



swpp-tas

Awaiting swpp-tas's response

Pending Invite 

Remove

< Previous Next >

Create Repository from skeleton

- First, clone from swppfall2022 repo
 - `git clone https://github.com/swsnu/swppfall2022.git`

```
(base) ~ > cp -r swppfall2020/hw1 swpp-hw1-hy00nc
(base) ~ > cd swpp-hw1-hy00nc
(base) swpp-hw1-hy00nc > ls -la
total 88
drwxr-xr-x   10 haeyoon  staff   320   8 25 17:13 .
drwxr-xr-x+ 140 haeyoon  staff  4480   8 25 17:14 ..
-rwxr-xr-x    1 haeyoon  staff   2833   8 25 17:13 .gitignore
-rwxr-xr-x    1 haeyoon  staff  11358   8 25 17:13 LICENSE.txt
-rwxr-xr-x    1 haeyoon  staff   196   8 25 17:13 NOTICE.txt
-rwxr-xr-x    1 haeyoon  staff   9838   8 25 17:13 README.md
drwxr-xr-x   20 haeyoon  staff   640   8 25 17:13 babydata
-rwxr-xr-x    1 haeyoon  staff   3867   8 25 17:13 babyname_parser.py
-rw-r--r--    1 haeyoon  staff   1760   8 25 17:13 fetch.py
-rwxr-xr-x    1 haeyoon  staff   3713   8 25 17:13 run.py
(base) swpp-hw1-hy00nc > git init
Initialized empty Git repository in /Users/haeyoon/swpp-hw1-hy00nc/.git/
(base) swpp-hw1-hy00nc > git remote add origin https://github.com/hy00nc/swpp-hw1-hy00nc.git
(base) swpp-hw1-hy00nc > git add .
```


Create Repository from skeleton

```
(base) swpp-hw1-hy00nc > git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)

        new file:   .gitignore
        new file:   LICENSE.txt
        new file:   NOTICE.txt
        new file:   README.md
        new file:   babydata/2001.html
        new file:   babydata/2002.html
        new file:   babydata/2003.html
        new file:   babydata/2004.html
        new file:   babydata/2005.html
        new file:   babydata/2006.html
```

Create Repository from skeleton

```
(base) swpp-hw1-hy00nc > git commit -m "initial commit"
[master (root-commit) 4798deb] initial commit
25 files changed, 55897 insertions(+)
create mode 100755 .gitignore
create mode 100755 LICENSE.txt
create mode 100755 NOTICE.txt
create mode 100755 README.md
create mode 100644 babydata/2001.html
create mode 100644 babydata/2002.html
create mode 100644 babydata/2003.html
create mode 100644 babydata/2004.html
create mode 100644 babydata/2005.html
create mode 100644 babydata/2006.html
```


Create Repository from skeleton

1. `git branch -M main`
2. `git push -u origin main`

```
(base) swpp-hw1-hy00nc > git push -u origin main  
Counting objects: 28, done.  
Delta compression using up to 4 threads.  
Compressing objects: 100% (28/28), done.  
Writing objects: 100% (28/28), 217.00 KiB | 3.74 MiB/s, done.  
Total 28 (delta 17), reused 0 (delta 0)  
remote: Resolving deltas: 100% (17/17), done.  
To https://github.com/hy00nc/swpp-hw1-hy00nc.git
```

Push Your Work to Remote (status)

- When you modify some files in your git repository, you can check current status by
- `$ git status`

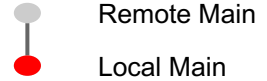


Message may differ depending on Git version

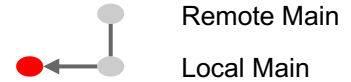
```
# On branch main
#
# Initial commit
#
# Changes to be committed:
#   (use "git rm --cached <file>..." to unstage)
#
#       new file:   helloworld.py
#
```

Push Your Work to Remote (add)

- You can add a file to track
- Track is like a shopping cart, where you put your stuff that you want to buy
- `$ git add ${target_files_to_track}`



Push Your Work to Remote (commit)



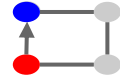
- Commit is like “wrapping box”, in which there are stuff that you’ve added to the track
- When you commit, you can tag “message” to identify stuff in certain wrapped box (commit)

※ If you want to edit the current commit instead of generating a new commit, run `git commit --amend`.

※ Recommendation : Generate commits **frequently, in small steps!**

Push Your Work to Remote (push)

- After wrapping box, we must ship it!
- It synchronizes between your local repository and remote repository
- `$ git push origin main`



Remote Main

Local Main

Don't forget to watch

<https://github.com/swsnu/swppfall2022>