Guide for Code Submission
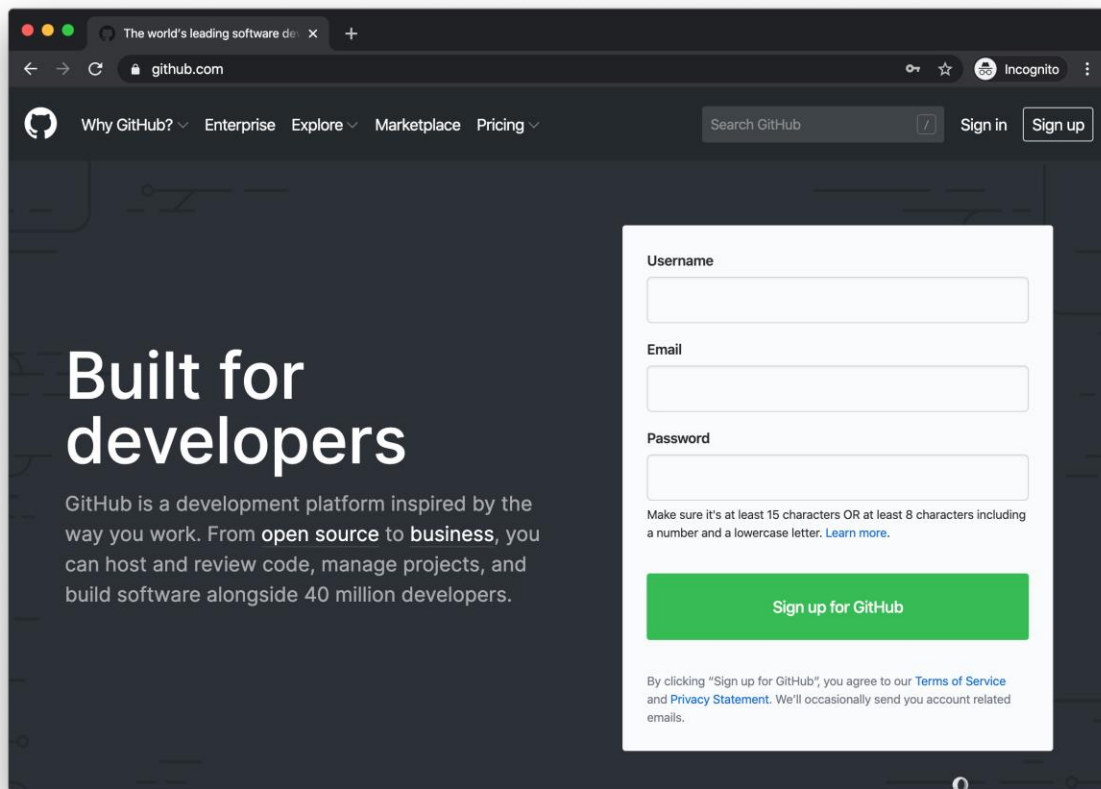
CSCI3100 Course Staff

Department of Computer Science and Engineering

The Chinese University of Hong Kong

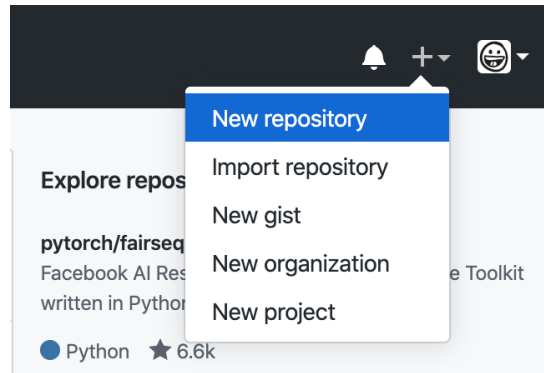## 1. Create a GitHub account (if you don't have one)

GitHub is the leading code management platform worldwide. If you don't have an account, you can navigate to https://github.com and Sign up.

2. Create a new repository

To facilitate submission, you are required to set up a git repository on GitHub.com.

Click the + on the upper right corner of GitHub, and click "New repository"

Then enter the name of your repository and choose the visibility. You can set up either public or private repository. **For public repository, you need to submit HTTPS URL of your repository (e.g. https://github.com/yttty/my-awsome-project.git). For private repository, you need to follow the guide below to add ssh key and submit SSH URL of your repository (e.g. git@github.com:yttty/my-awsome-project.git).**

You are required to send the **HTTPS URL** or **SSH URL** of your repository to csci3100@cse.cuhk.edu.hk **before 19 Mar (two days before Phase 2 due)**. We will pull the latest code on **21 Mar (Phase 2 due) and 3 May (Phase 4 due)**.
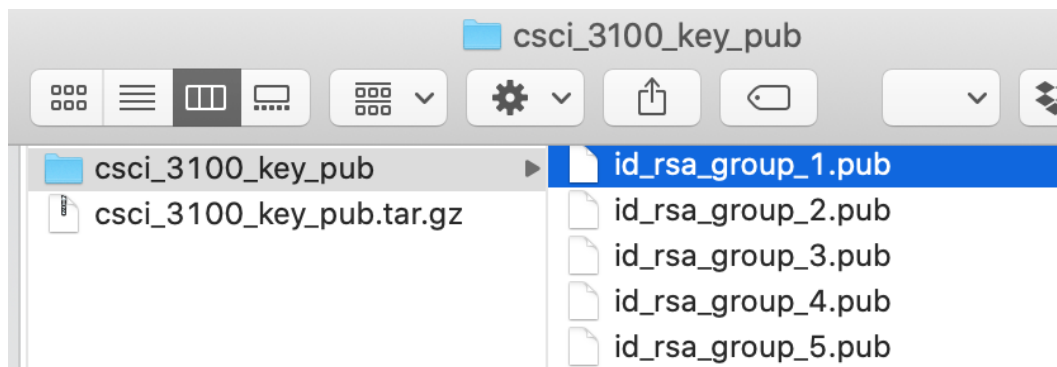
3. Add deploy key to the private repository

If you choose to create a private repository, you need to add deploy key to your project so that TAs can access your code. Please be reminded the member capacity of a private repository of a free account is limited to 3. You should apply for Student Account to increase the member capacity to enable everyone to contribute code.
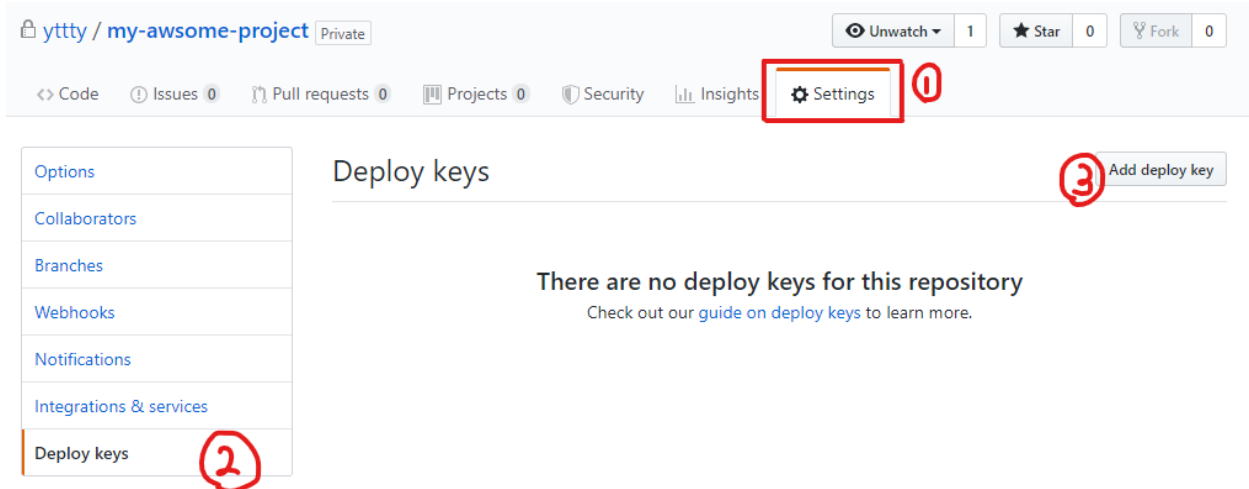
First, download the key from the project page of course website https://course.cse.cuhk.edu.hk/~csci3100/assets/project/keys_2020_pub.tar.gz ; extract this gzip file; open the public key of your group with a text editor and copy the corresponding public key **of your group**.

Please ensure you add the right public key, otherwise TAs cannot access your private repository.

Then go to your GitHub repository, navigate to settings->Deploy keys->Add deploy key

Paste the public key you just copied, then click Add key.

Deploy keys / Add new

Title

Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQCuedG4zGAdKH27ebrSTc1j1AWK6+fbXiIBWAT98ZTsQSSL65uvEvGoSZx8G
VgHssKoaK4RBnNJ8yhr9DKJdImOiAzt9kw7ONrz9ctpcx/LrSk5RAnEB2optdRn4Elw1IaejI/cCUvX63/WUhv4uXJ/ThXl4
NnDuuG3+br99p2MXh+K2Hn9RRGdZau/7EleuFc2uVRtPNSgxmPLmVqz2AIsjpU5wAw8tqiTxIrZmFMUS9iDN4J9/tnr
AxZdvT1Kasp+TyPi+NIQhcAWIPkpKraSdSIn3T6WrGHcIY14PEoI2Vb3lI/DgabNsIThTwuq0+r7AePWBPIyzNrlUOOLDy
LH ssh key for group 1
```

☐ **Allow write access**
Can this key be used to **push** to this repository? Deploy keys always have pull access.

Add key

4. Git command to upload your code to GitHub for the first time

```
# initialize a git reposition in your project directory
git init
# add a remote repository
git remote add origin git@github.com:youraccoun/your-awsome-code.git
# add all file(s) in your project directory
git add --all
# commit a local update
git commit -m 'my comments'
# push to the remote repository (first time)
git push -u origin master
```

5. Read More

- If you are new to git, start with this simple guide.
- The official git documentation: https://git-scm.com/documentation