

## Exercise 2: Getting Started with GitHub

---

### Sign up for GitHub account

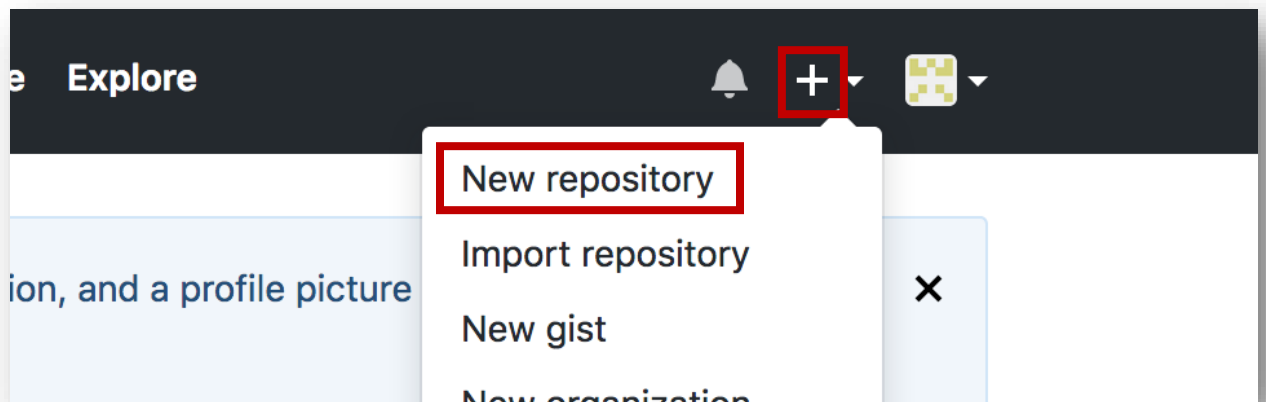
Follow these steps to get a GitHub account:

1. Navigate to <http://github.com>
2. Put in username, email, and password to sign up for a new account. Click **Sign Up for GitHub**.
3. Check your email and look for a verification link. Click it to verify the account. Close that tab.
4. Click **Create an account**.
5. Leave **Unlimited public repositories** as checked. This will let you create free, public repositories. For private repositories, you have to pay a subscription.
6. Leave the other checkboxes unchecked. Click **Confirm**.
7. Fill in information about yourself. Click **Submit**.

### Create a repository

Follow these steps to create your first repository:

1. Open a browser and go to <http://github.com>
2. Log in (if you haven't already)
3. From your home page, click the + sign at the upper right and choose **New repository**



4. For repository name type **exercise**.
5. Leave as public. (You can only have public repositories with free accounts.)
6. Check **Initialize this repository with a README**
7. Click **Create repository**

See screenshot on next page.

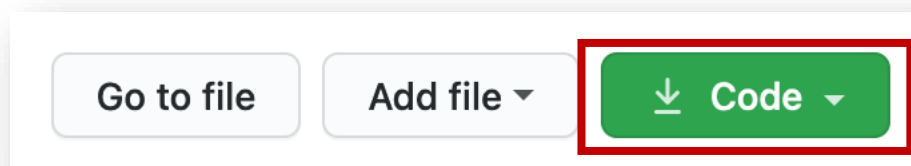
The screenshot shows the GitHub 'Create repository' form. Red boxes highlight the following elements:

- Owner:** A dropdown menu showing 'pgruenbaum'.
- Repository name:** A text input field containing 'exercise' with a green checkmark.
- Description (optional):** An empty text area.
- Visibility:** Two radio buttons. 'Public' is selected, with the description 'Anyone can see this repository. You choose who can commit.' 'Private' is unselected, with the description 'You choose who can see and commit to this repository.'
- Initialize this repository with a README:** A checked checkbox with the description 'This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.'
- Buttons:** 'Add .gitignore: None' and 'Add a license: None' dropdowns, and a green 'Create repository' button.

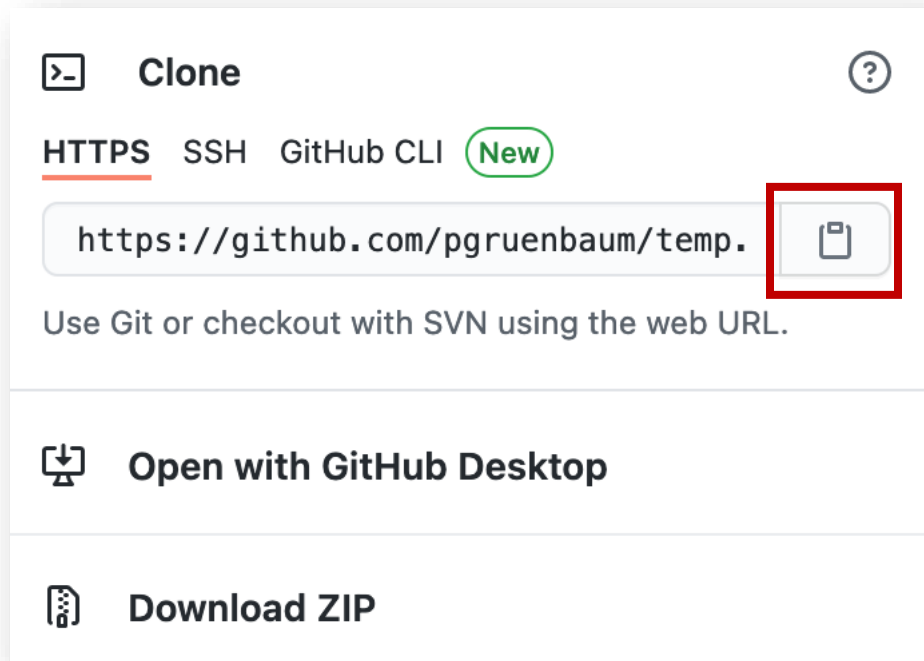
### Clone the repository

Now let's clone the repository. Follow these steps:

1. Go back to [github.com](https://github.com) and click the **Code** button.



2. You will see a URL. Click the clipboard icon to the right of it. This copies the URL into your clipboard.



3. Return to your terminal. Type the command `git clone`, a space, and then do a paste (Command+V for Mac, right-click, then **Paste** for Windows.) Your command should look something like this:

```
git clone https://github.com/sdkbridge/exercise.git
```

4. Press return, and it will get to work cloning your repository so that you have a local copy.  
**Note:** See the previous lecture on using your GitHub username and the personal access token code for the password.

```
Cloning into 'exercise'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
```

5. Open up your file explorer and go to your “home” folder. For Windows, click on **This PC**, then open **Local Disk (C:)**, then **Users**, then the folder with your user name. For Mac, click on **Macintosh HD**, then open **Users**, then the folder with your user name.
6. You should see a folder named **exercise**. Open it.
7. You should see a file called **README.md**.

Congratulations! You cloned your first GitHub repository!