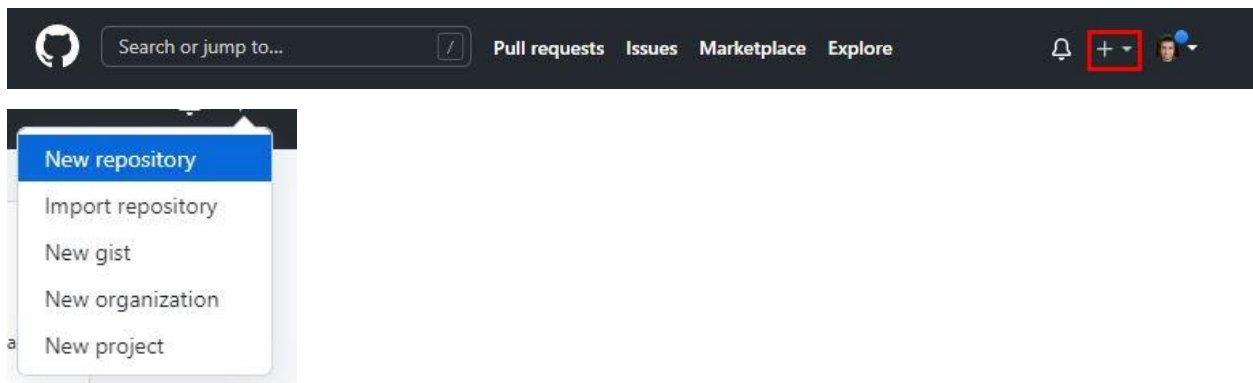


Setting up GitHub

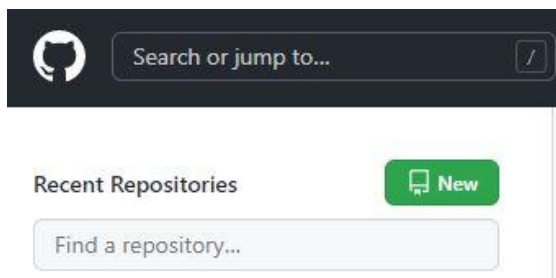
GitHub is a free website hosting service that lots of companies and individuals use to host and share their work. This is where we will store and share our code!

Create an Account at GitHub:

- 1) Go to <https://github.com/>
- 2) Create an Account by hitting the **Sign Up** button at the top right of the page
- 3) Fill in your email and create a password
- 4) Once you have created an account and logged in click the + button at the top right and select **new repository**
 - a. (a repository is where we will be uploading our code to; you can have as many repositories as you want!)



You can also click **New** which is located on the left of the page:



- 5) Enter in a repository name. Let's use "webdev" for now. We can always change it later.
- 6) Add a Description: "Introduction to Web Development"
- 7) Make sure **Public** is selected
- 8) Add a **README** file
- 9) Click **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.](#)

Owner * Repository name *

 skerrey ▾ / webdev 

Great repository names are short and memorable. Need inspiration? How about [animated-palm-tree?](#)

Description (optional)

Introduction to Web Development

- ☒  **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.

Initialize this repository with:

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

☒ **Add a README file**
This is where you can write a long description for your project. [Learn more.](#)

☐ **Add .gitignore**
Choose which files not to track from a list of templates. [Learn more.](#)

☐ **Choose a license**
A license tells others what they can and can't do with your code. [Learn more.](#)

This will set  **main** as the default branch. Change the default name in your [settings](#).

Create repository

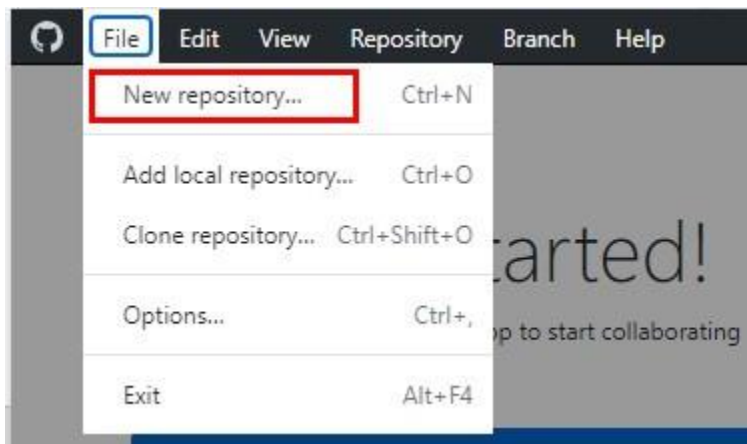
Cloning a Repository to Desktop

(If you need more help setting up a repository: <https://docs.github.com/en/get-started/quickstart/create-a-repo>)

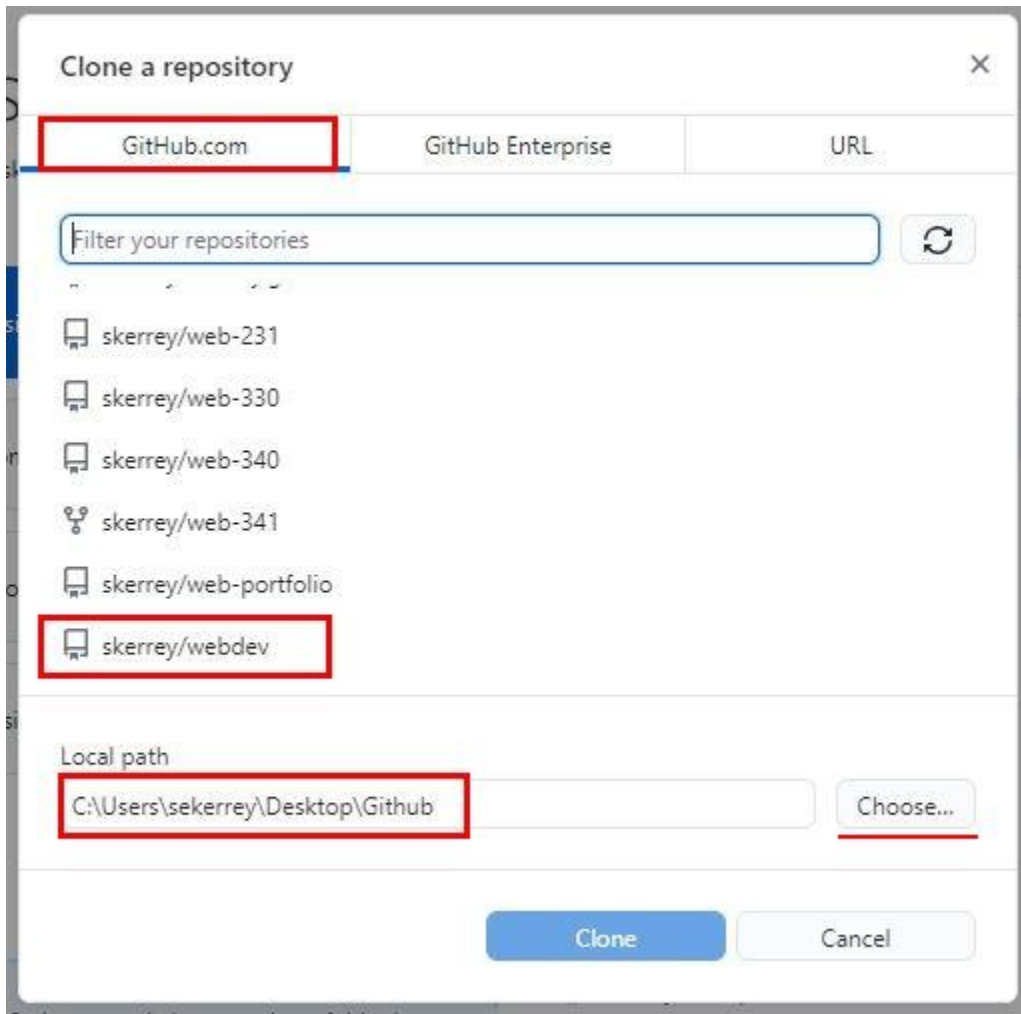
Great! Now that you have got your new repository set up, we are going to download GitHub desktop.

This will allow us to upload our code with a few simple clicks! To download GitHub Desktop:

- 1) Go to <https://desktop.github.com/>
- 2) Click the download button
- 3) Double click the downloaded file
- 4) At the Welcome Screen click **Sign into GitHub.com** and enter your login credentials
 - a. If you need extra help: <https://www.youtube.com/watch?v=qtxWg3kOnd0>
- 5) Once you have signed into to GitHub desktop, locate the **Clone a repository** button, or you can select **File / clone repository**



- 6) To clone the repository we made from github.com we make sure to select the **GitHub.com** tab
- 7) Select your repository *username/webdev*
- 8) Choose the file location that you want to save your GitHub work (I created a file named GitHub on my desktop where I store my files because it is easy to access)
- 9) Hit clone

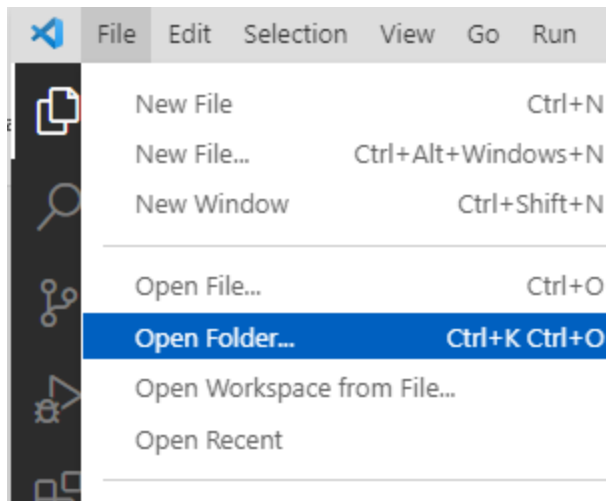


Uploading files to GitHub

Great! We have just synchronized our local files (we have none, yet) to our GitHub account.

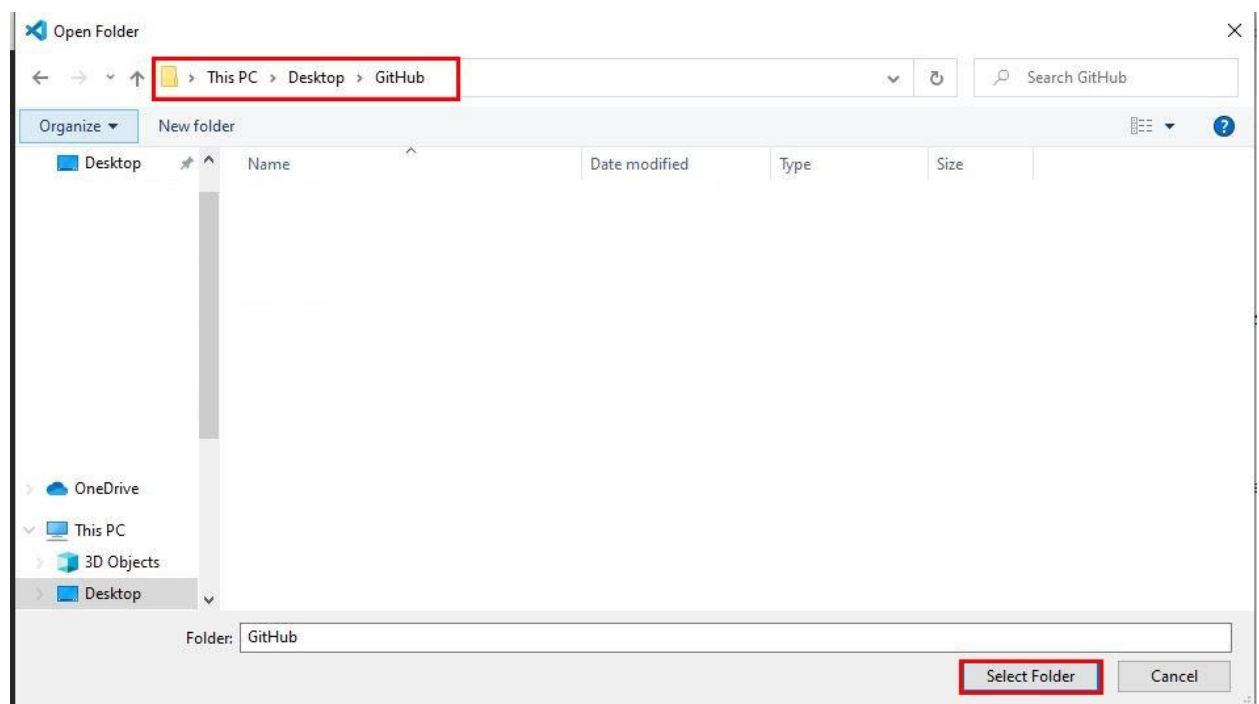
Now we are going to create a basic HTML file to upload to GitHub:

- 1) Open VSCode
- 2) Click File / Open Folder

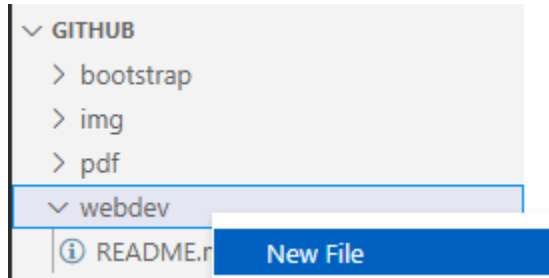


3) Locate our folder that we just created for our GitHub files (for me it on my desktop)

4) Click **Select Folder**



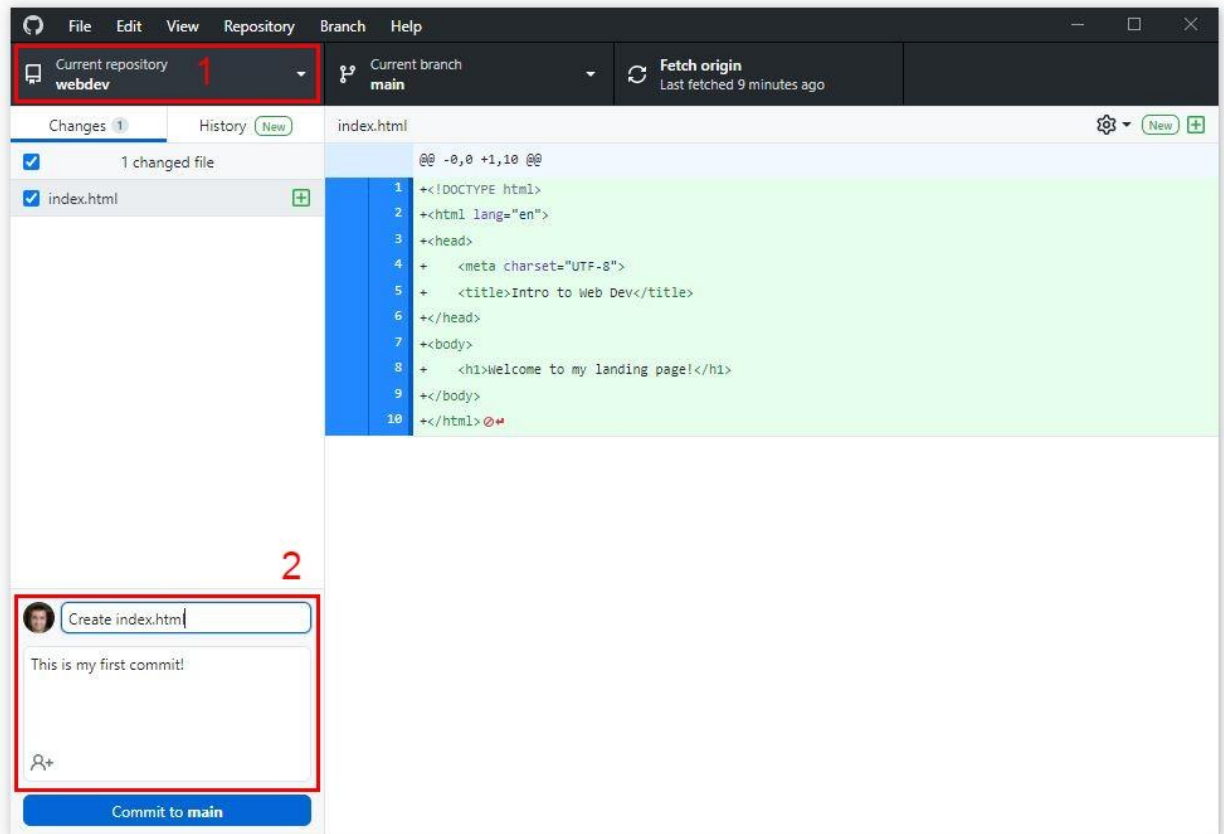
- 5) Navigate to your **webdev** file within VSCode, right click, and select **New File**



- 6) Name your new file: **index.html**
- 7) Copy and paste this code into your index.html file and save the file

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Intro to Web Dev</title>
</head>
<body>
  <h1>Welcome to my landing page!</h1>
</body>
</html>
```

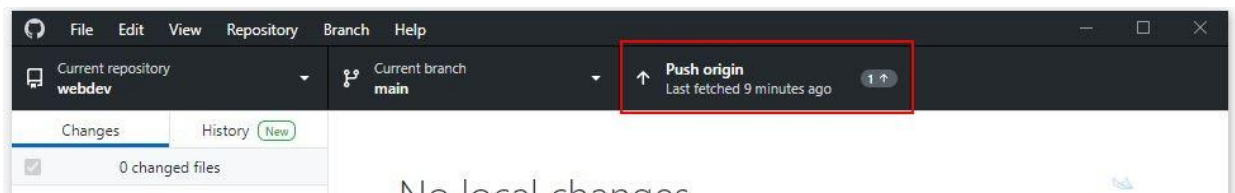
- 8) Open GitHub Desktop if it isn't already open
- 9) You should be in the current repository of webdev (see 1)
- 10) Add a message (commit) to the index.html file (see 2)
- Write "Create index.html"
 - For the Description write: "This is my first commit!"



11) Click the button **Commit to main**

- a. You'll notice the file is not there anymore, that is because you added a commit or message to your file while it's in the staging area (you don't need to remember this for now we will cover it later)

12) Now we are going to **push** the file from the staging area to the main (You should see the number **1** indicating one commit. You can have as many commits as you want and push them to the main or GitHub.com when you're ready)

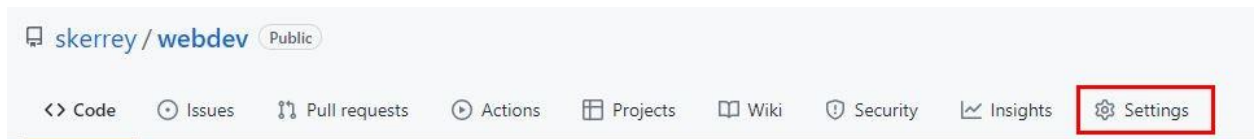


The index.html file is now on your GitHub! You're doing great! To view your published file go to your repository on GitHub: <https://github.com/username/webdev>

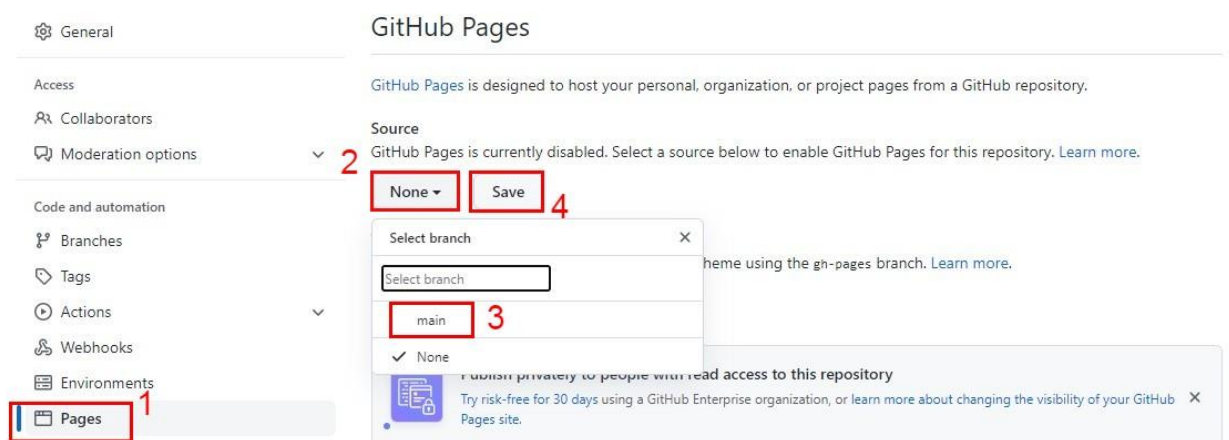
Publish our files on GitHub Pages

The final step is to incorporate your work (index.html) to GitHub Pages. This allows you to view your work on the web for free! How cool!

- 1) Go to your repository that we created: <https://github.com/username/webdev>
- 2) Find and click **settings** from your webdev repository



- 3) From settings click **Pages** (1). Under Source click **None** (2) and select the **main** (3) branch then hit **Save** (4)



You've just published your index.html file! Woohoo! There will be a link that pops up where your public pages for the repository have been published. The link will be: <https://username.github.io/webdev/>.

Wait about 5 minutes and view your published index.html file! In the future, when you commit & push

your changes you've made to the code to GitHub (via GitHub Desktop) the changes will be automatically implemented on your GitHub pages. It only takes a few minutes for the changes to be live.