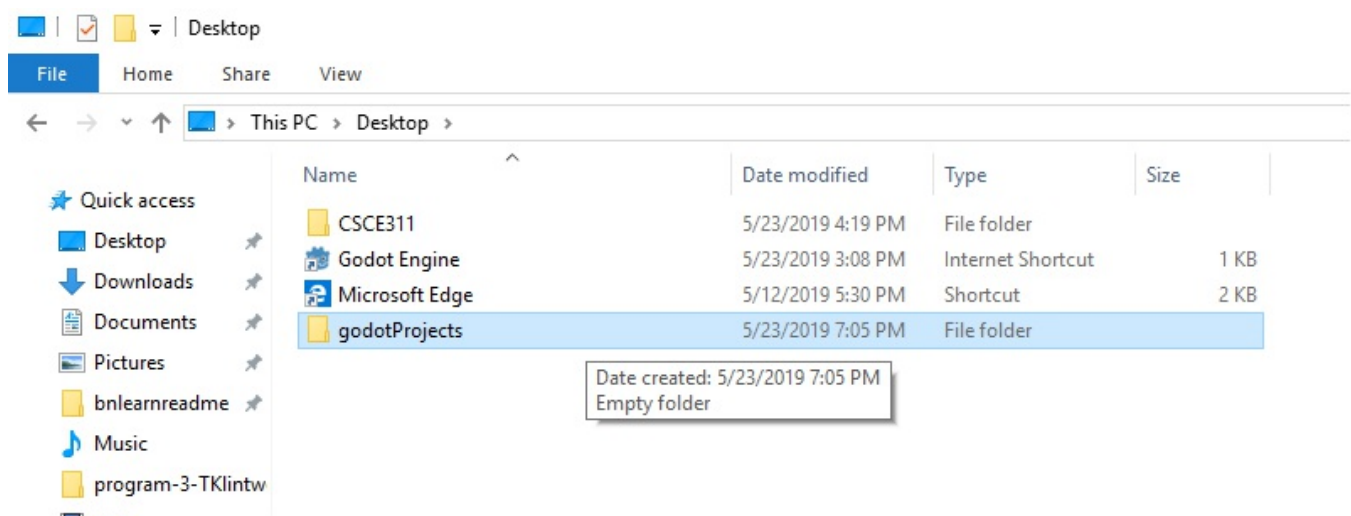


Basic Github Workflow

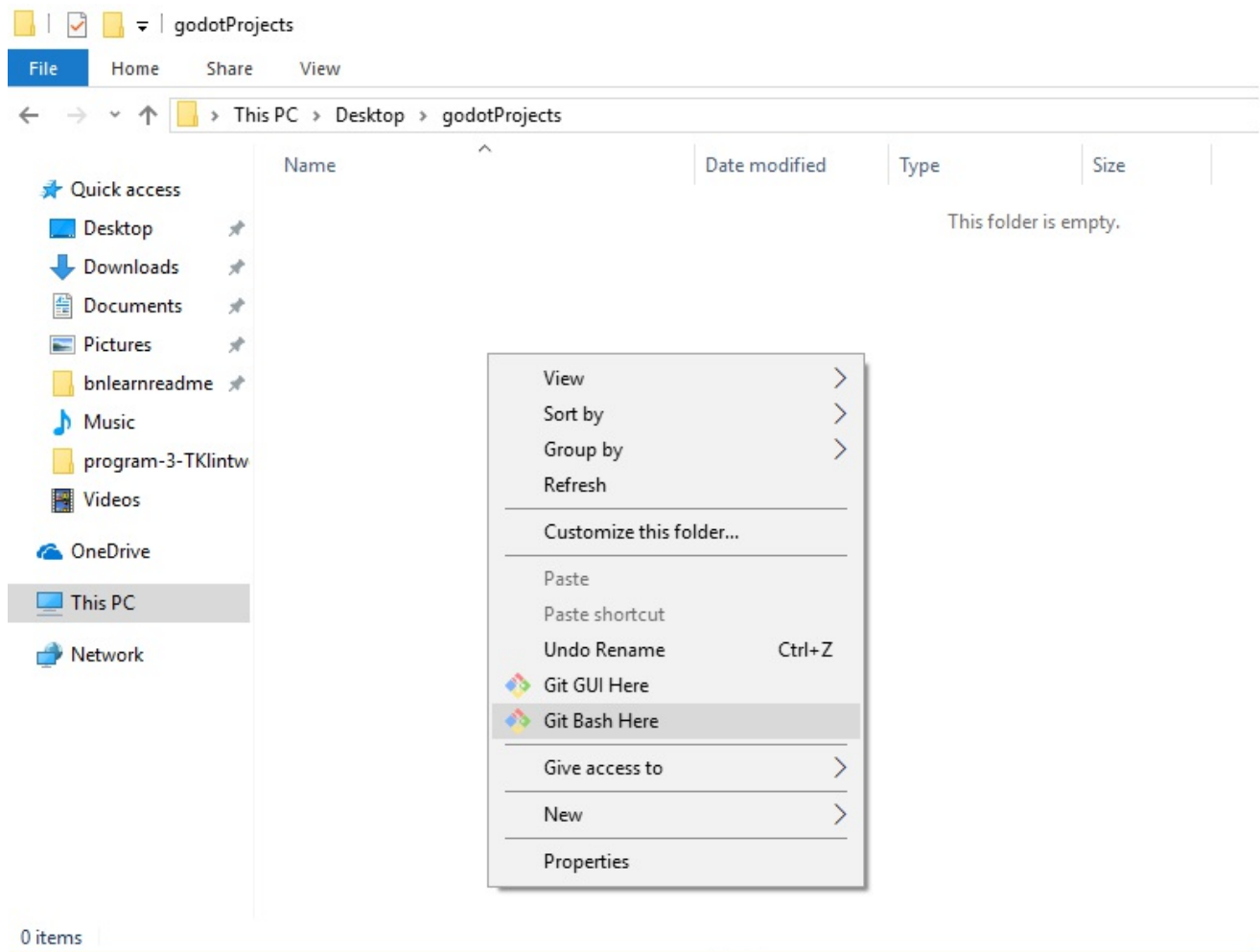
Setting up Git and cloning the repository

Go to <https://git-scm.com/downloads> and choose the appropriate version.

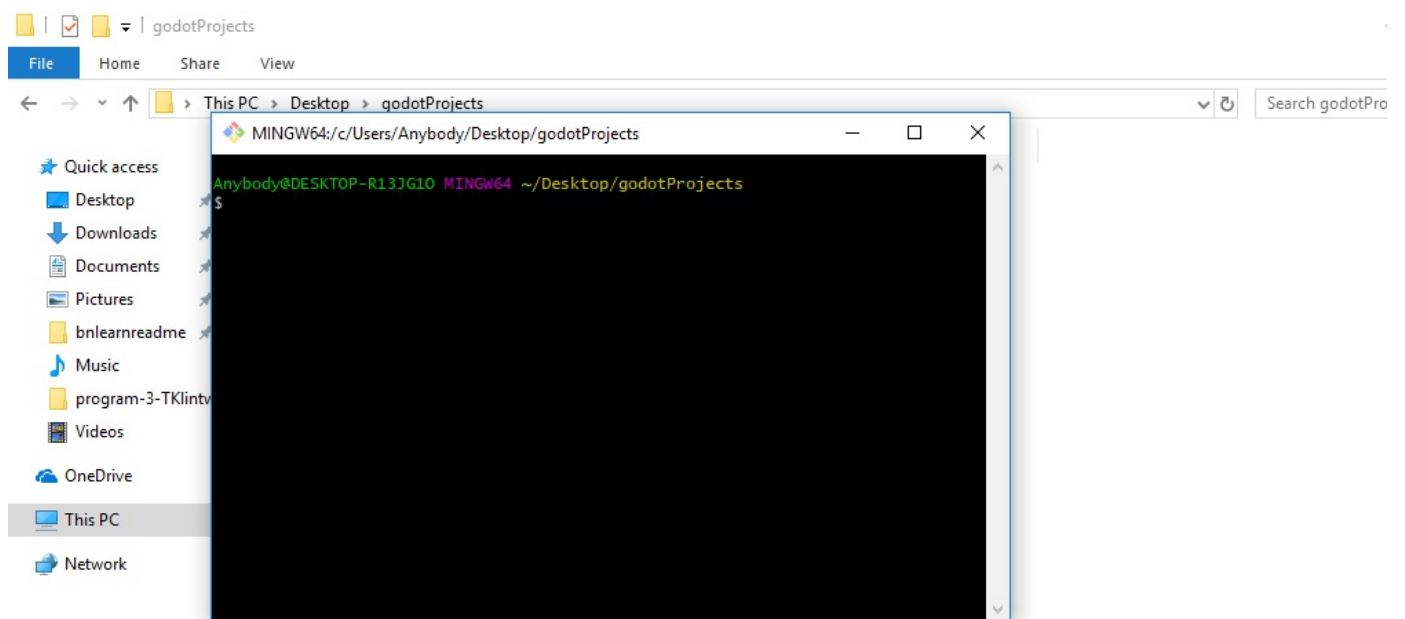
Once you have git installed, navigate to where you'd like the project folder to be (perhaps in a folder called "godotProjects" on your Desktop).



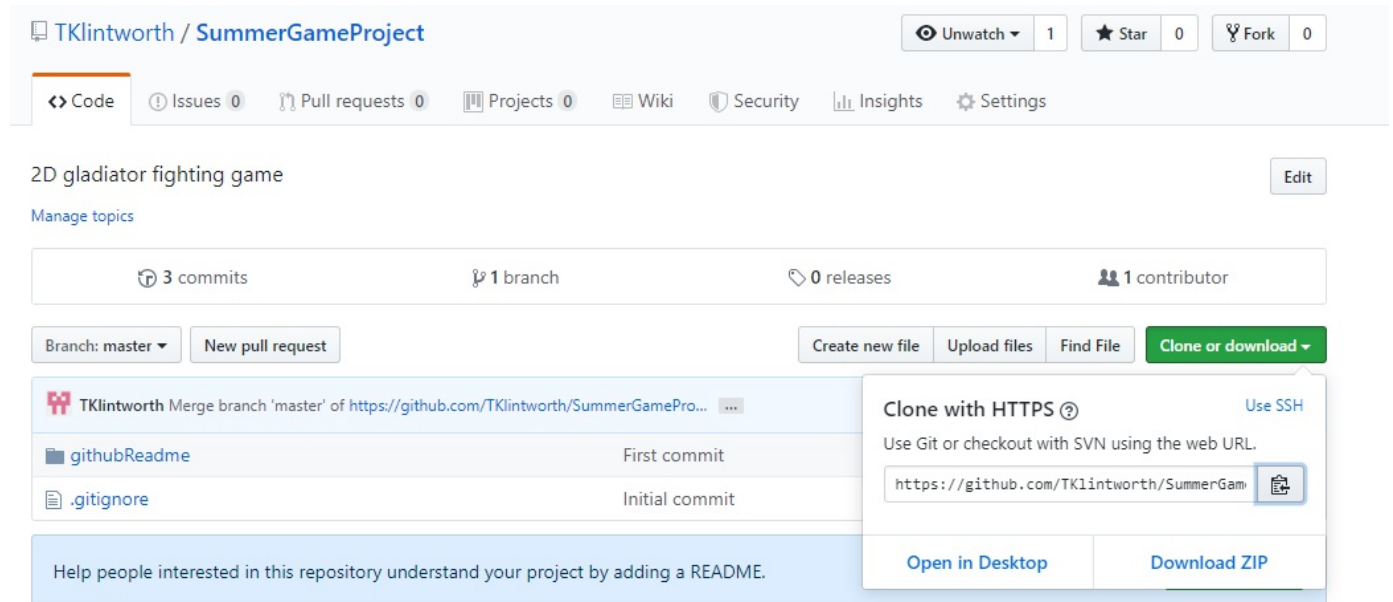
Then open that folder, in my case "godotProjects", then right click inside anywhere. You should see an option to open "Git Bash Here".



You should see a terminal like this:



Go to the github page for the project and click the button to the top right that says **“Clone or download”** as shown in the picture below. Click the button to the right to copy the link, or copy the link normally.



With the link copied, return to the command line. Type:

```
git clone [insert copied link here, without the brackets]
```

Now you should have the project downloaded.

The routine

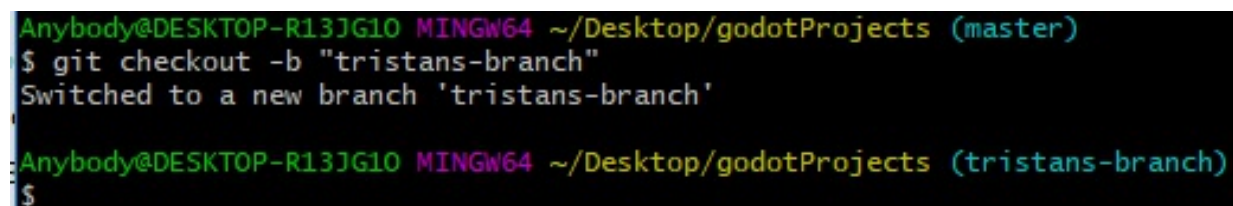
- Create a local branch
- Make changes locally (made a new sprite, edited a file)
- Add the changes to your branch
- Commit the changes to your branch

- Push the changes to the remote version of your branch (the one on the website)
- Maybe open a pull request to add your changes to the master branch

Creating your local branch

In your project folder (the one youve previously cloned), right click and open the Git Bash. To create a new branch, type:

```
git checkout -b "your-branch-name"
```



```
Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (master)
$ git checkout -b "tristans-branch"
Switched to a new branch 'tristans-branch'

Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (tristans-branch)
$
```

as shown here

Checking to see if you have local changes

If you've been editing files, you will need to check which files you've changed to determine which files you'd like to send to the github. To see what's changed since you've last sent, type:

```
git status
```

You should get a list of red text as shown below:

```
Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

        githubReadme/image4.png

nothing added to commit but untracked files present (use "git add" to track)
```

Adding your local changes

If you'd like to add every red file, type:

```
git add .
```

If you'd like to add only specific files, type:

```
git add your-file-name.exe
```

Individually for each file you'd like to add.

After you're satisfied, if you type ***git status*** again, you should see green text for the files you've added, as below:

```
Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (tristans-branch)
$ git add .

Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (tristans-branch)
$ git status
On branch tristans-branch
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        new file:   githubReadme/image4.png
```

Committing to what you've added

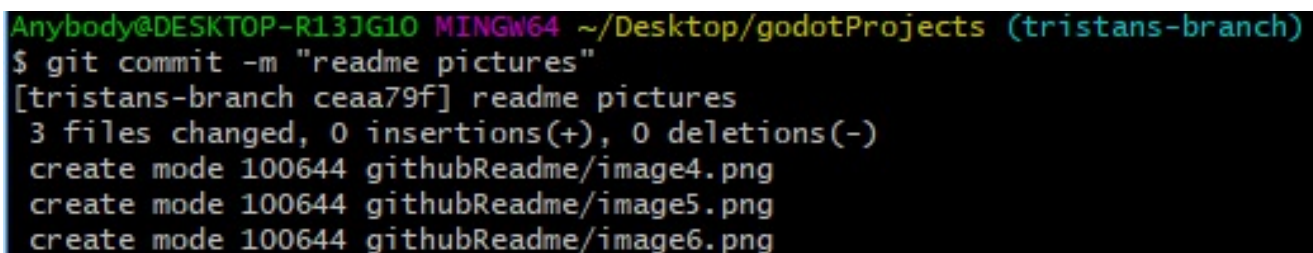
To actually do anything with what you've added, you'll need to **commit them to your branch**, which just means putting them on your branch along with a message saying what you've added.

To commit the files you added, type:

```
git commit -m "my commit"
```

Make sure to have the quotes around "my commit" as shown.

Where "my commit" is a short message that describes what you've changed.

A terminal window with a black background and green text. The prompt is 'Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (tristans-branch)'. The command entered is '\$ git commit -m "readme pictures"'. The output shows the commit hash '[tristans-branch ceaa79f]', the commit message 'readme pictures', and a summary of changes: '3 files changed, 0 insertions(+), 0 deletions(-)'. Below this, it lists three new files created: 'githubReadme/image4.png', 'githubReadme/image5.png', and 'githubReadme/image6.png', all with mode 100644.

```
Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (tristans-branch)
$ git commit -m "readme pictures"
[tristans-branch ceaa79f] readme pictures
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 githubReadme/image4.png
create mode 100644 githubReadme/image5.png
create mode 100644 githubReadme/image6.png
```

Pushing

Now that you've committed all the files you changed to your branch, you need to send everything you've done so far to the "remote" branch, which is your branch but on the github website.

Do this by typing:


```
git push origin my-branch-name
```

```
Anybody@DESKTOP-R13JG10 MINGW64 ~/Desktop/godotProjects (tristans-branch)
$ git push origin tristans-branch
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 53.98 KiB | 3.00 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'tristans-branch' on GitHub by visiting:
remote:   https://github.com/TKlintonworth/SummerGameProject/pull/new/tristans-branch
remote:
To https://github.com/TKlintonworth/SummerGameProject.git
 * [new branch]      tristans-branch -> tristans-branch
```

That's it!


My example push looks like this on the website:

Your recently pushed branches:

 tristans-branch (2 minutes ago) [Compare & pull request](#)

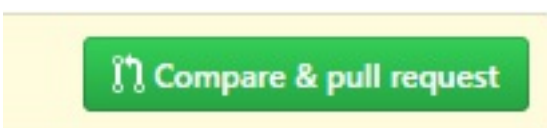
Branch: tristans-branch ▾ [New pull request](#) [Create new file](#) [Upload files](#) [Find File](#) [Clone or download ▾](#)

This branch is 1 commit ahead of master. [Pull request](#) [Compare](#)

 TKlintonworth readme pictures Latest commit ceaa79f 5 minutes ago

If you feel like everyone should have your changes:

Click the button shown below to create a request to pull your branch to the master





Then press the button on the bottom right where it says “Create Pull

Request”

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

 base: master ◯ ◀ compare: tristans-branch ◯ ✓ Able to merge. These branches can be automatically merged.




readme pictures

Write

Preview

AA B i “ <> 🔗 ☰ ☷ ☹ @ 🚩 ↶

Leave a comment

Attach files by dragging & dropping, selecting or pasting them. 

Create pull request ◯

Then wait for review and someone will merge it with the master and everyone will have your changes.

That’s it.
