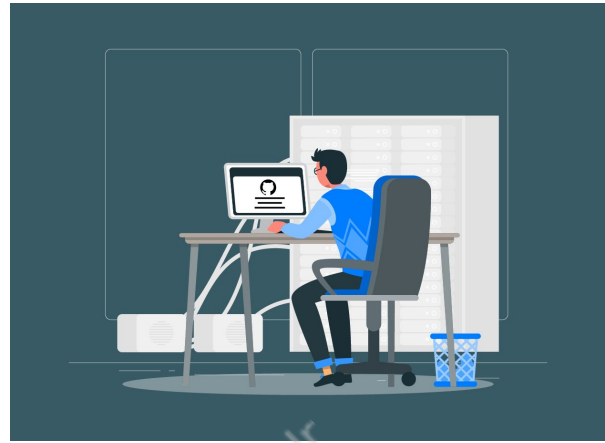


## GIT AND GITHUB



### What is our GOAL for this MODULE?

We used our knowledge to use Git from the command line.

### What did we ACHIEVE in the class TODAY?

- Installed command line Git and Git bash.
- Cloned the activity repository.
- Made some changes to the code and committed these changes to a remote repository.

### Which CONCEPTS/ CODING BLOCKS did we cover today?

- Git and Git bash.
- Committing changes to GitHub from command line.

### How did we DO the activities?

1. Install a tool called Git to keep track of all the changes in the code.
2. Create a new directory/folder in any location using 'mkdir' command. Clone the project.

```
user@DESKTOP-TBD28BN MINGW64 ~  
$ cd Downloads  
  
user@DESKTOP-TBD28BN MINGW64 ~/Downloads  
$ git clone https://github.com/whitehatjr/angryBirdsStage2.git  
Cloning into 'angryBirdsStage2'...  
remote: Enumerating objects: 38, done.  
remote: Total 38 (delta 0), reused 0 (delta 0), pack-reused 38  
Receiving objects: 100% (38/38), 2.54 MiB | 1.13 MiB/s, done.  
Resolving deltas: 100% (10/10), done.
```

3. Add the file and commit the changes done.


```
MINGW64:/c:/Users/user/downloads/project/angryBirdsStage2  
Run  
  
git config --global user.email "you@example.com"  
git config --global user.name "Your Name"  
  
to set your account's default identity.  
Omit --global to set the identity only in this repository.  
  
fatal: unable to auto-detect email address (got 'user@DESKTOP-TBD28BN.(none)')  
  
user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)  
$ git config --local user.email "rashmi.whitehatjr.com"  
  
user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)  
$ git config --local user.name "rashmi"  
  
user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)  
$ git commit -m "add platform"  
[master b607d41] add platform  
1 file changed, 2 insertions(+), 1 deletion(-)  
  
user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)
```

#### 4. Create an empty remote GitHub 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 \***

 whitehatjr / AngryBirdsStage2.5StudentActivit ✓

Great repository names are short and memorable. Need inspiration? How about **cautious-octo-fortnight**?

**Description (optional)**

Student activity for Angry Birds stage 2.5


☒ **Public**  
Anyone can see this repository. You choose who can commit.

☐ **Private**  
You choose who can see and commit to this repository.

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.

ⓘ

 rashmi-sathya / angrybirdstage2.5studentactivity

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

**Quick setup — if you've done this kind of thing before**

 Set up in Desktop or   `https://github.com/rashmi-sathya/angrybirdstage2.5studentactivity.git`

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

**...or create a new repository on the command line**

```
echo "# angrybirdstage2.5studentactivity" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/rashmi-sathya/angrybirdstage2.5studentactivity.git
git push -u origin main
```

- Associate the working directory on our Git bash shell to the remote repository.

```

MINGW64:/c/Users/user/downloads/project/angryBirdsStage2
[master b607d41] add platform
1 file changed, 2 insertions(+), 1 deletion(-)

user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)
$ git remote add testhttps://github.com/rashmi-sathya/angrybirdstage2.5studentac
tivity.git
usage: git remote add [<options>] <name> <url>

    -f, --fetch                fetch the remote branches
    --tags                    import all tags and associated objects when fetching
                              or do not fetch any tag at all (--no-tags)
    -t, --track <branch>     branch(es) to track
    -m, --master <branch>    master branch
    --mirror[=(push|fetch)]  set up remote as a mirror to push to or fetch from

user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)
$ git remote add test https://github.com/rashmi-sathya/angrybirdstage2.5studenta
ctivity.git

user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)

```

- Push files to a remote repository.

```

MINGW64:/c/Users/user/downloads/project/angryBirdsStage2
user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)
$ git push -u angrybirdstage2.5
fatal: 'angrybirdstage2.5' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)
$ git push -u angrybirdstage2.5studentactivity
fatal: 'angrybirdstage2.5studentactivity' does not appear to be a git repository
fatal: Could not read from remote repository.

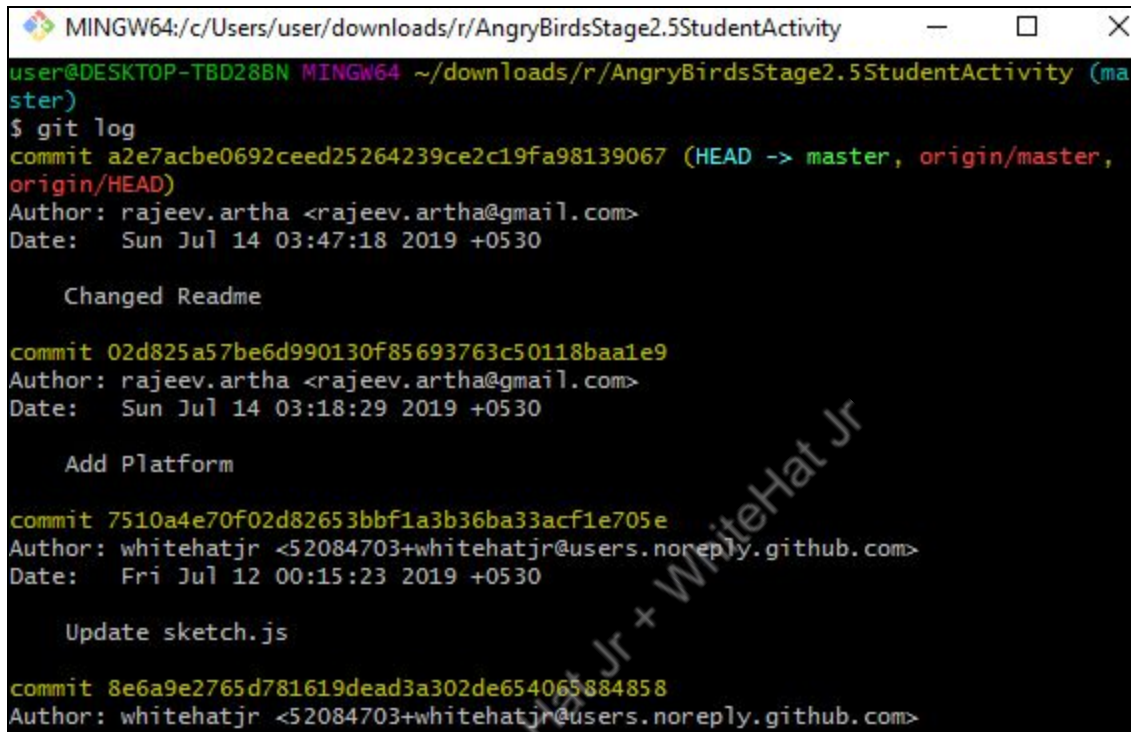
Please make sure you have the correct access rights
and the repository exists.

user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)
$ git push -u test
Everything up-to-date
Branch 'master' set up to track remote branch 'master' from 'test'.

user@DESKTOP-TBD28BN MINGW64 ~/downloads/project/angryBirdsStage2 (master)

```

7. See all the commits ever made on the repository by typing the command "Git log".



```
MINGW64:/c/Users/user/downloads/r/AngryBirdsStage2.5StudentActivity
user@DESKTOP-TBD28BN MINGW64 ~/downloads/r/AngryBirdsStage2.5StudentActivity (master)
$ git log
commit a2e7acbe0692ceed25264239ce2c19fa98139067 (HEAD -> master, origin/master, origin/HEAD)
Author: rajeev.artha <rajeev.artha@gmail.com>
Date: Sun Jul 14 03:47:18 2019 +0530

    Changed Readme

commit 02d825a57be6d990130f85693763c50118baa1e9
Author: rajeev.artha <rajeev.artha@gmail.com>
Date: Sun Jul 14 03:18:29 2019 +0530

    Add Platform

commit 7510a4e70f02d82653bbf1a3b36ba33acf1e705e
Author: whitehatjr <52084703+whitehatjr@users.noreply.github.com>
Date: Fri Jul 12 00:15:23 2019 +0530

    Add Platform

commit 8e6a9e2765d781619dead3a302de654065884858
Author: whitehatjr <52084703+whitehatjr@users.noreply.github.com>
Date: Fri Jul 12 00:15:23 2019 +0530

    Update sketch.js
```

### What's NEXT?

In the next class, you will be learning about constrained bodies.

### EXTEND YOUR KNOWLEDGE:

1. Know more about Git and push to GitHub:  
<https://opensource.com/article/18/1/step-step-guide-git>