

GUIDE TO RESOLVING GITHUB ERRORS:



Dear Student

As you submit your assessments to GitHub, you might encounter some errors. Below is a basic guide to some of the most commonly experienced errors. Should you encounter an error not in the below document, please send me screenshots so that we can incorporate it into this document.

All the best for your submissions.

SOCS

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SUBMITTING TO GITHUB

The Process:

1. Locate the GitHub link for the assessment you wish to submit.
2. Accept the assignment to obtain a custom repository.
3. Access the directory containing the files that you would like to submit.
4. Open the command prompt (CMD)
5. Type the following commands to push your files to GitHub:
 - a. `git init`
 - b. `git add .`
 - c. `git commit -m "First Commit"`
 - d. `git remote add origin <paste link>`
 - e. `git push origin master.`

Potential Error 1:

Error: remote origin already exists

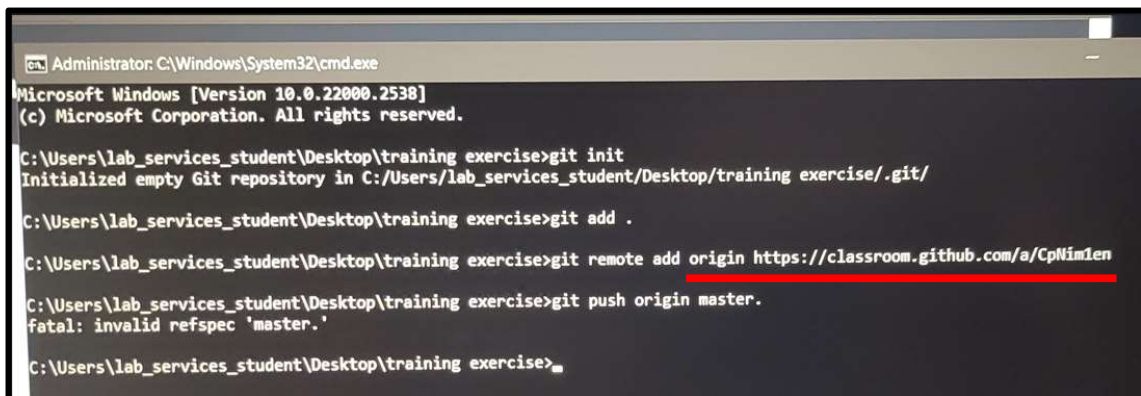
Solution:

Type the following commands to remove the origin and push to GitHub.

- `git remote remove origin`
- `git init`
- `git add .`
- `git commit -m "First commit"`
- `git remote add origin paste repo link here`
- `git push origin master`

Potential Error 2:

Error: invalid refspec 'master'

A screenshot of a Windows Command Prompt window titled "Administrator: C:\Windows\System32\cmd.exe". The window shows the following commands and output:

```
Microsoft Windows [Version 10.0.22000.2538]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lab_services_student\Desktop\training exercise>git init
Initialized empty Git repository in C:/Users/lab_services_student/Desktop/training exercise/.git/

C:\Users\lab_services_student\Desktop\training exercise>git add .

C:\Users\lab_services_student\Desktop\training exercise>git remote add origin https://classroom.github.com/a/CpNim1en

C:\Users\lab_services_student\Desktop\training exercise>git push origin master.
fatal: invalid refspec 'master.'
```

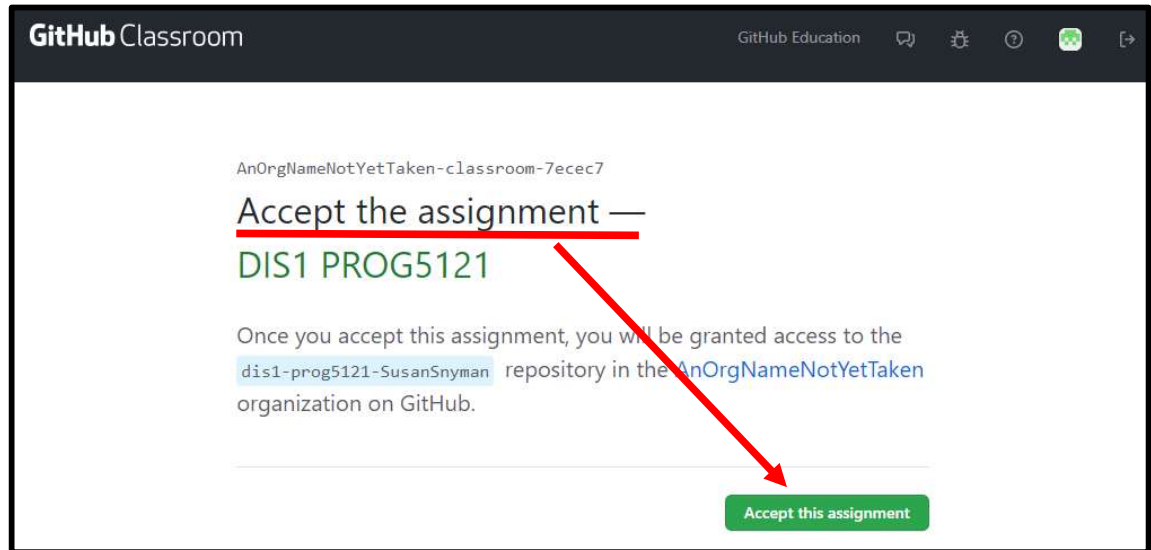
The URL `https://classroom.github.com/a/CpNim1en` is underlined in red in the original image.

Cause: In the above screenshot the incorrect link was used. The assignment was not accepted and as such a custom repository was not obtained to which to push the solution to.

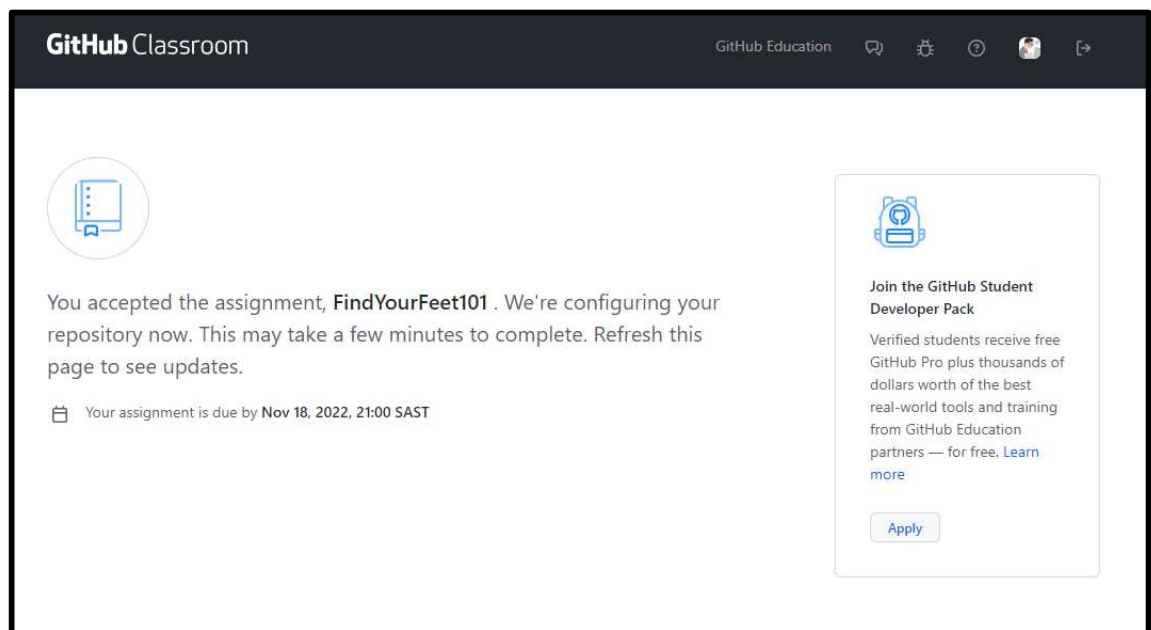
Solution:

In the above screenshot, the URL <https://classroom.github.com/a/....> represents the link that should be used in order to obtain a custom repository.

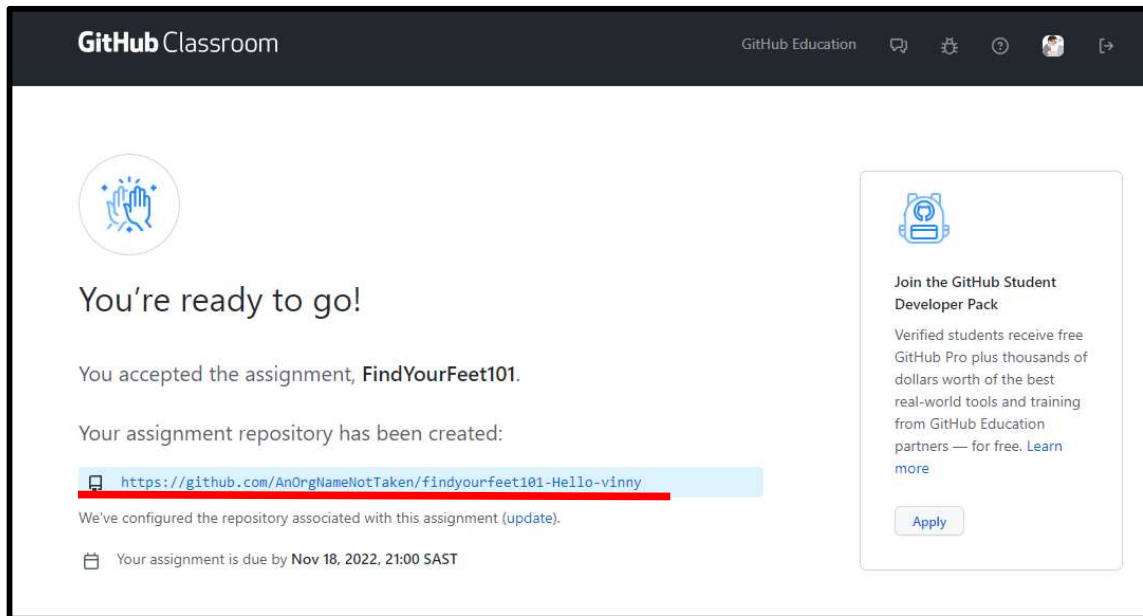
1. Click on the link where it was shared to you **or** enter the link in the address bar of a web browser and press **'Enter'**.
2. When you see the following screen...click on the **Accept this Assignment** button.



3. After accepting the assignment, you will receive a screen requesting you to wait +-5 minutes. Refresh the screen.



4. Once the screen has been refreshed, you will be shown the screen below. Copy the link below the sentence “Your assignment repository has been created.”



5. Open the Command Prompt and enter the following commands to push your solution:
- git init
 - git add .
 - git commit -m "First Commit"
 - git remote add origin ***paste repo link obtained in step 4 here***
 - git push origin master.

Potential Error 3:

Error: 'git' is not recognized as an internal or external command, operable program or batch file.

Cause: Git and therefore GitBash is not installed on the computer from which you are trying to push your solution.

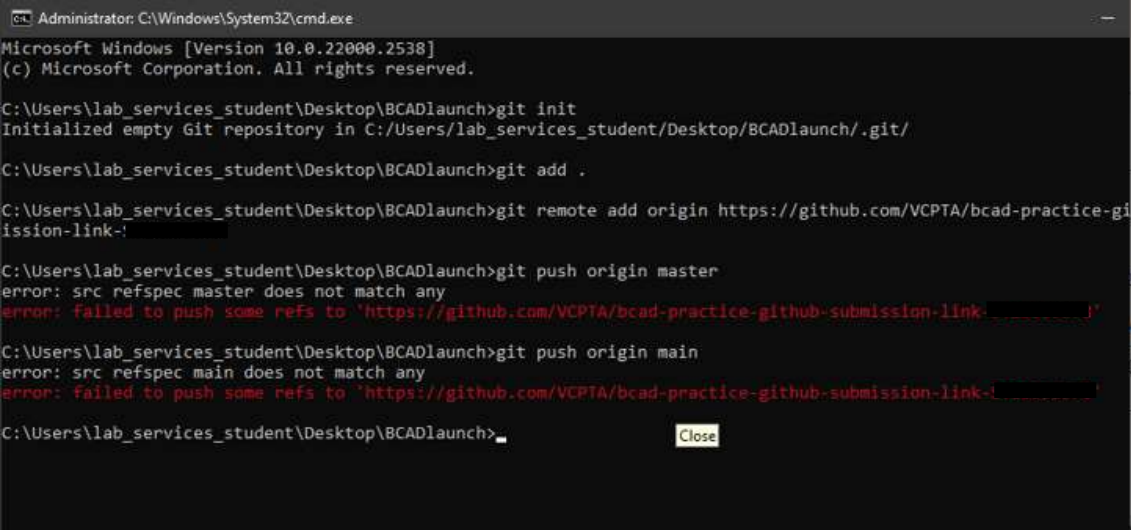
Solution:

Download and install Git and Git Bash using the following link: <https://git-scm.com/download/win> . Once the page opens, click on the words as circled below.



Additional support for installing GitBash: <https://youtu.be/peaurK3JeZI>

Potential Error 4:



```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.2538]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lab_services_student\Desktop\BCADlaunch>git init
Initialized empty Git repository in C:/Users/lab_services_student/Desktop/BCADlaunch/.git/

C:\Users\lab_services_student\Desktop\BCADlaunch>git add .

C:\Users\lab_services_student\Desktop\BCADlaunch>git remote add origin https://github.com/VCPTA/bcad-practice-github-submission-link-!
C:\Users\lab_services_student\Desktop\BCADlaunch>git push origin master
error: src refspec master does not match any
error: failed to push some refs to 'https://github.com/VCPTA/bcad-practice-github-submission-link-!
C:\Users\lab_services_student\Desktop\BCADlaunch>git push origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/VCPTA/bcad-practice-github-submission-link-!
C:\Users\lab_services_student\Desktop\BCADlaunch>_
```

Error: error: src refspec master does not match any

Cause: The master branch does not exist.

Solution:

Open a blank command line screen. Type the following commands:

```
git init
git add .
git checkout -b "Master" (If the Master branch does not exist, it will be created and switched to)
git commit -m "First Commit"
git remote add origin paste the link associated with your GitHub repository here
git remote -v (when you run this command, you should see your repository appear twice...once with a
(fetch) at the end and once with a (push) at the end)
git branch (you should see the branch name you intend on pushing to appear in green)
git push --set-upstream origin Master
```