GitHub Classroom Guide

Overview

This guide shows how to use GitHub and GitHub classroom for submission of your assessment.

Before starting, if you don't already have one, create a GitHub account.

Ensure that you are signed into this GitHub account in your web browser.

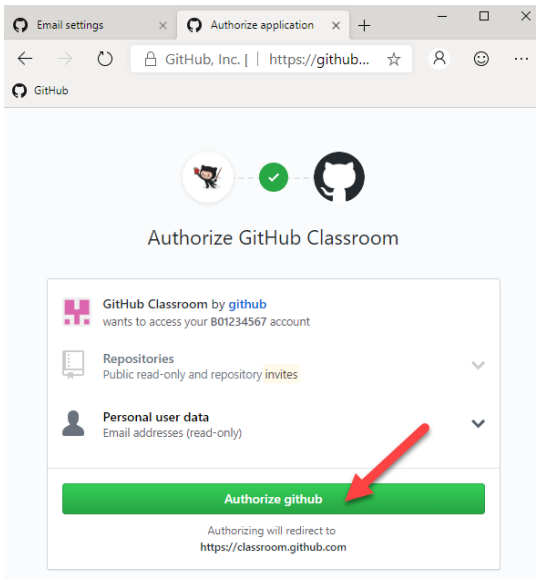
1. The classroom invitation

At the start of the assessment you will be provided with a GitHub Classroom invitation link to create a repository for your assessment submission.

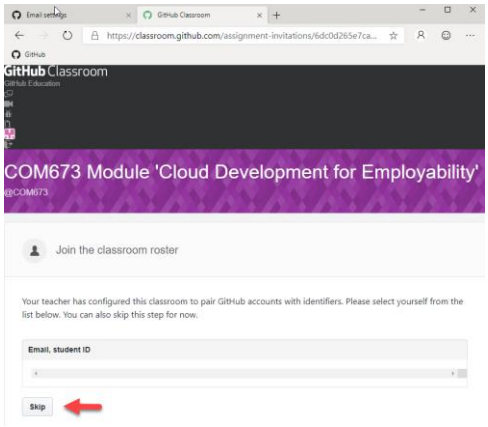
Use the following testing link to try it out. Do not use this for the actual assessment!

https://classroom.github.com/a/28ilUXM1

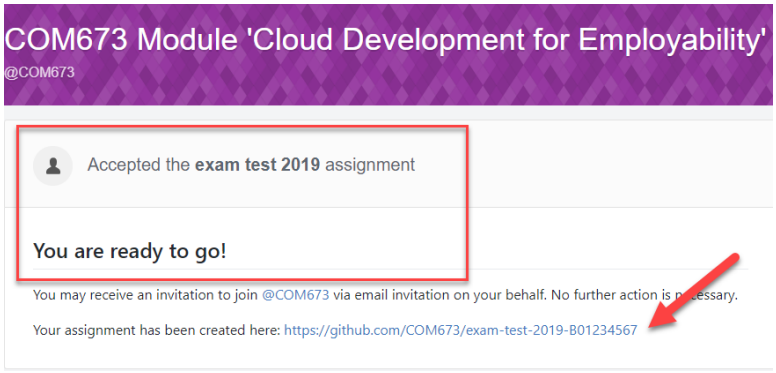
1. You may be asked to grant permission allowing GitHub Classroom access to your account. Click the Authorize GitHub button to continue.



2. Join the classroom by clicking skip (you were not previously added to this classroom)

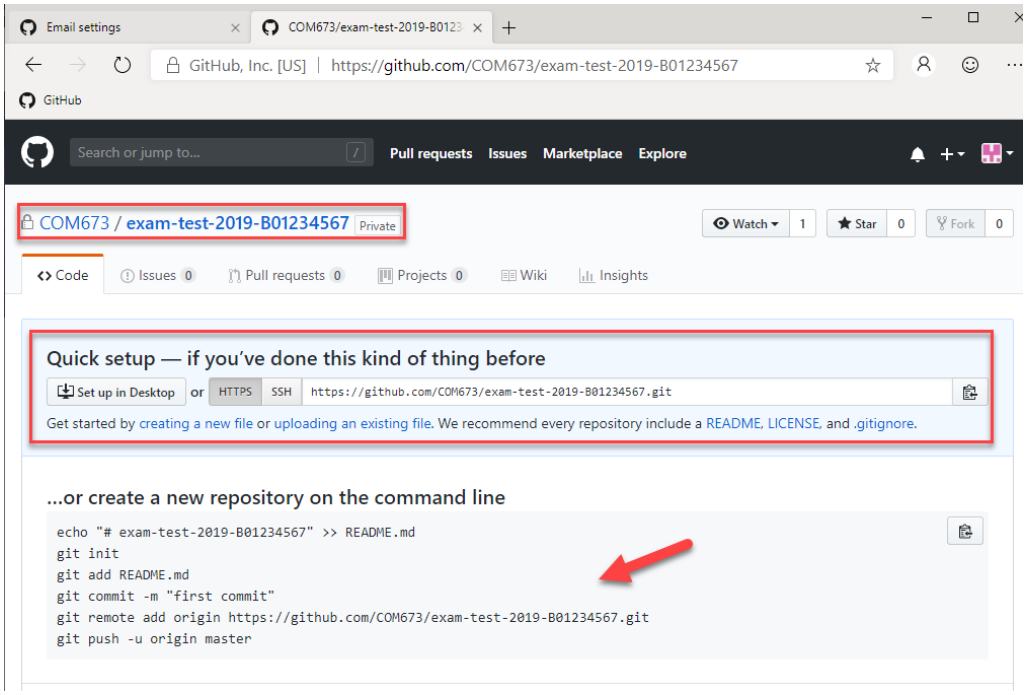


3. If everything worked, you will see a confirmation. Click the link to view the new repository



2. Using the exam repository

Your exam repository is now created, you should see instructions in the new repository.



2.1 Create an empty Spring Boot Web app

1. Use https://start.spring.io/ to generate the web app
2. Download and unzip to location you keep your Java Apps
3. Open the web app folder in VS Code and open a terminal.

2.2 Initialise Git and push to your exam repository

Use the following commands to initialise a local repository, make an initial commit, and push to the remote repository on GitHub.

1. Create README.md and add your student ID
2. Initialise the local repository
3. Add all files (-A)

```
TERMINAL ... 1: powershell
PS C:\java-apps\B01234567-Exa 1 echo "# B01234567" >> README.md
PS C:\java-apps\B01234567-Exa 2 git init
Reinitialized existing Git repository in C:/java-apps/B01234567-Exam
/.git/
PS C:\java-apps\B01234567-Exa 3 git add -A
```

4. Commit to save changes. This is the first commit

```
PS C:\java-apps\B01234567-Exa 4 git commit -m "first commit"
[master (root-commit) c9f4a46] first commit
```

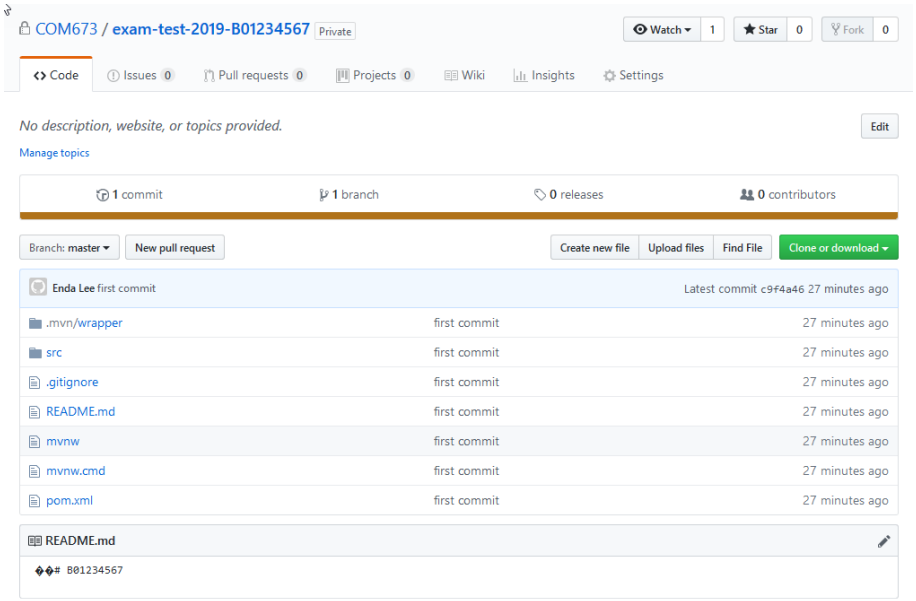
5. Link the local and remote repositories

```
PS C:\java-apps\B01234567-Exa 5 git remote add origin https://github
.com/COM673/exam-test-2019-B01234567.git
PS C:\java-apps\B01234567-Exam>
```

6. Push code to the master branch in the remote repository.

```
PS C:\java-apps\B01234567-Exa 6 git push -u origin master
Enumerating objects: 24, done.
Counting objects: 100% (24/24), done.
```

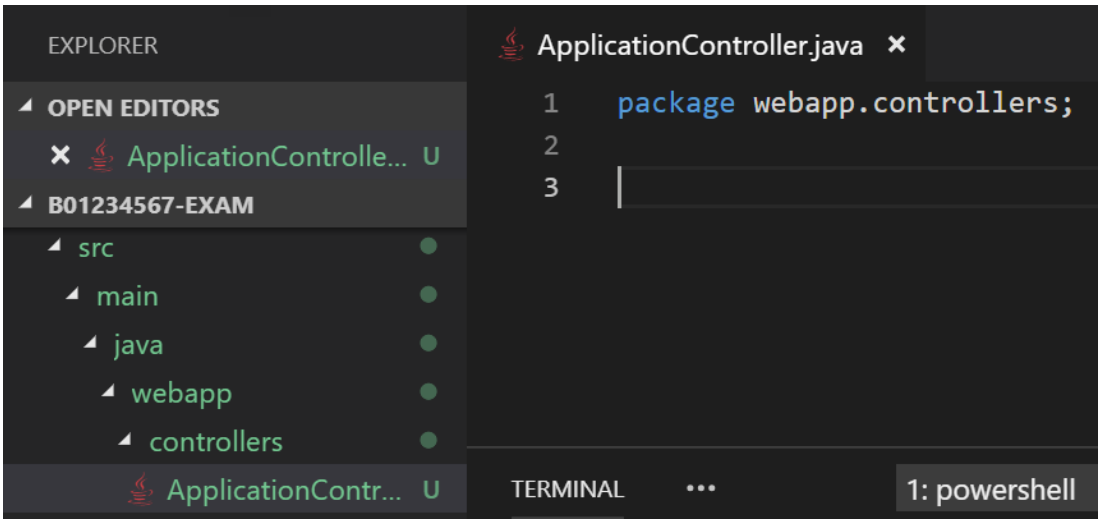
7. View in GitHub



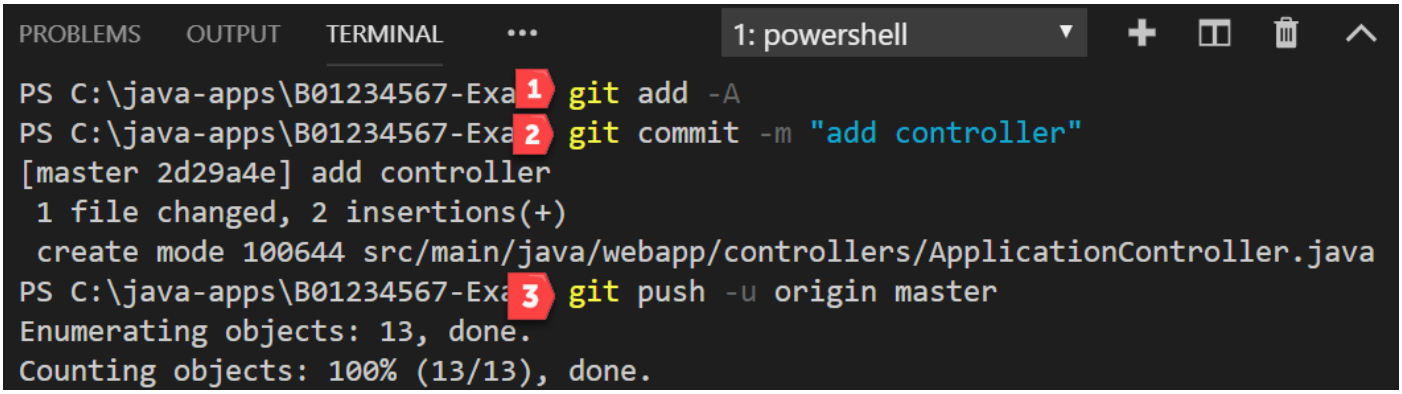
2.3. Commit and Push changes

As you work on the site, new features and modifications should be committed and pushed to the GitHub repository.

For example, add a folder for `controllers` and `ApplicationController.java`



Save the files and then add to the repository using these commands:



The updates should be available in GitHub after this.

Repeat 1 – 3 above each time you need to save changes to GitHub.