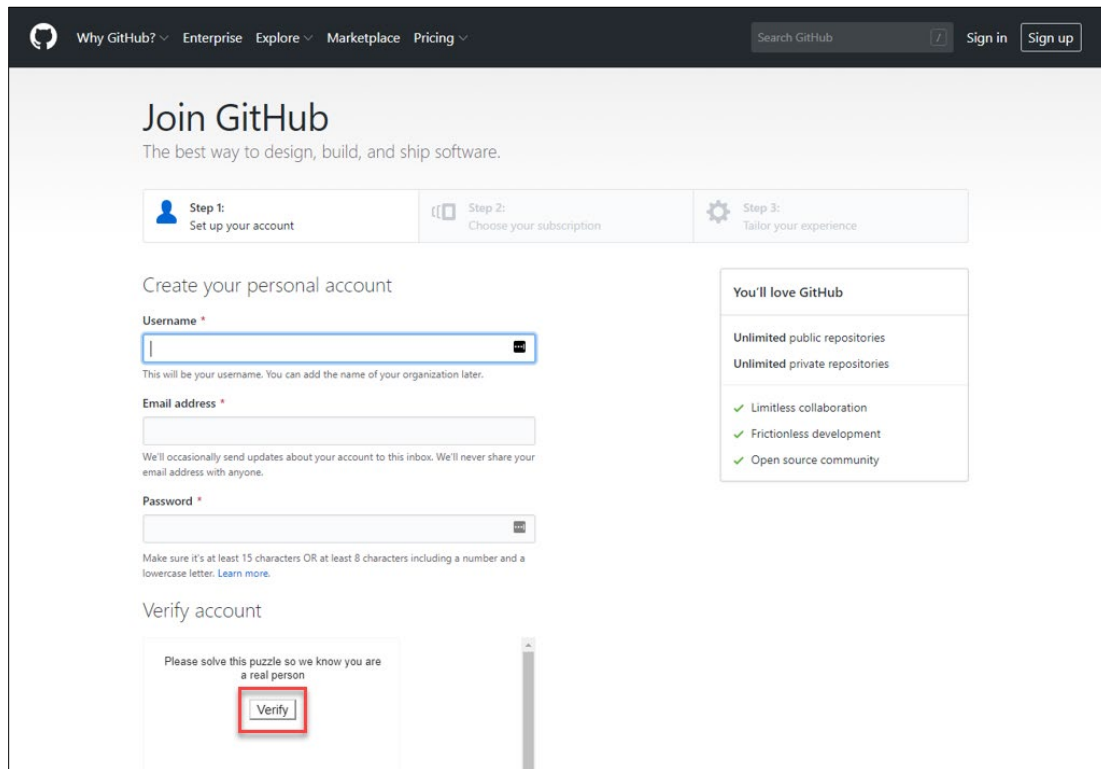


CS Program GitHub Portfolio Tutorial

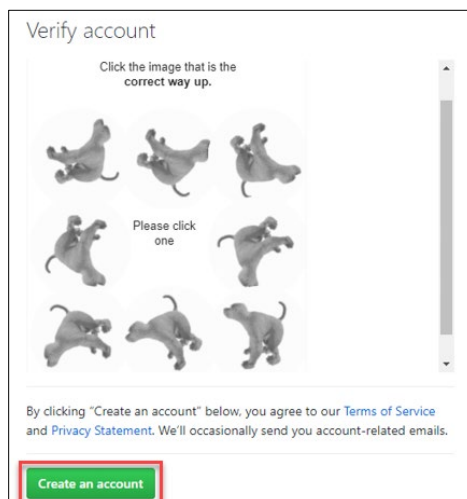
Setting Up Your Account

If you have not done so already, go to [GitHub](https://github.com) and set up an account. You will be asked to create a Username, add your email address, and create a password. When finished, click **Verify**.



The screenshot shows the GitHub 'Join GitHub' page. At the top, there's a navigation bar with links like 'Why GitHub?', 'Enterprise', 'Explore', 'Marketplace', and 'Pricing'. Below this, the main heading is 'Join GitHub' with the tagline 'The best way to design, build, and ship software.' The page is divided into three steps: Step 1: Set up your account, Step 2: Choose your subscription, and Step 3: Tailor your experience. The 'Create your personal account' section includes fields for Username, Email address, and Password. A 'Verify account' section is at the bottom, featuring a puzzle and a 'Verify' button highlighted with a red box.

When you click **Verify**, a puzzle will appear and you will be asked to solve it. It will likely be different from the puzzle in this example. After you answer the question correctly, you will be able to click on the **Create an account** button.



The screenshot shows the 'Verify account' puzzle. It features a 3x3 grid of images of a dog. The instruction is 'Click the image that is the correct way up.' The 'Create an account' button is highlighted with a red box.



You will be taken to a welcome page where you can select your account type. For the purposes of this class, you only need the free option. After you make your selection, click **Continue**.

Search or jump to... Pull requests Issues Marketplace Explore

Welcome to GitHub

You're a few steps away from building better software. @

Completed
Set up your account

Step 2: Choose your subscription

Step 3: Personalize your experience

Choose your subscription

With tools developers love and the world's largest open source community, there's no wrong choice.

Free

The basics of GitHub for every developer

\$0

per month

Includes:

- ✓ Unlimited public and private repositories
- ✓ 3 collaborators for private repositories
- ✓ Issues and bug tracking
- ✓ Project management

Pro

Pro tools for developers with advanced requirements

\$7

per month

Includes:

- ✓ Unlimited public and private repositories
- ✓ Unlimited collaborators
- ✓ Issues and bug tracking
- ✓ Project management
- ✓ Advanced tools and insights

Are you a student? Get access to the [free developer tools for free with the GitHub Student Developer Pack](#).

☐ Help me set up an organization next
Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.
[Learn more about organizations](#)

☒ Send me updates on GitHub news, offers, and events
[Customize the way I'm in your email preferences. Learn more.](#)

Continue

GitHub will send an email verification. Make sure to verify your account. On the next screen, you will be asked questions about how you intend to use GitHub. You may choose to fill out the form and click **Submit**, or you may choose **Skip this step**.

Welcome to GitHub

You'll find endless opportunities to learn, code, and create. @

Completed
Set up a personal account

Step 2: Choose your subscription

Step 3: Tailor your experience

What is your level of programming experience?

☐ None—I don't program at all

☐ New to programming

☐ Somewhat experienced

☐ Very experienced

What do you plan to use GitHub for? (Select up to 3)

☐ Learning to code

☐ Learning Git and GitHub

☐ Host a project (repository)

☐ Creating a website with GitHub Pages

☐ Collaborating with my team

☐ Finding a project to contribute to

☐ School work / School-related project

☐ The GitHub API

☐ I don't know yet

☐ Other (please specify)

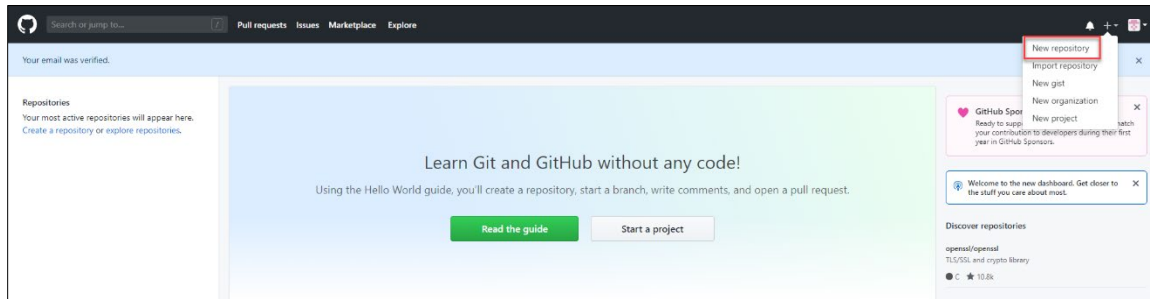
What are you interested in?

What languages, frameworks, industries, or disciplines are you interested in?
e.g. arduino, bioinformatics, ocaml

Submit skip this step

Setting Up Your Repository

To create a new repository, sign into GitHub. On the home page, look for the small + button in the top-right corner of the screen and click on it. Select **New repository** from the drop-down list.



The **Create a new repository** screen will display. You will be prompted to enter a repository name. Since you will be using this portfolio tool throughout the program, it is recommended that you create a new repository for each course. In this example, the repository name is “Cplusplus Program.” Be sure to select the **Private** and **Initialize this repository with a README** options. This will ensure that you have the proper setup and privacy settings for your portfolio submission. When you are finished, click the button labeled **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

agentile1

Repository name *

Cplusplus Program

Great repository names Your new repository will be created as Cplusplus-Program ilant-engine?

Description (optional)

☐ Public
Anyone can see this repository. You choose who can commit.

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

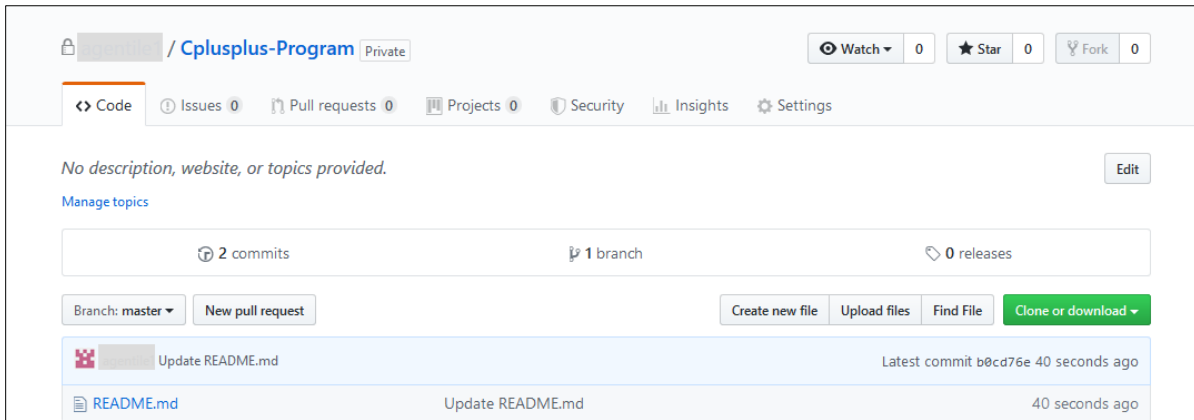
Skip this step if you're importing an existing repository.

☒ Initialize this repository with a README
This will let you immediately clone the repository to your computer.

Add .gitignore: None
Add a license: None

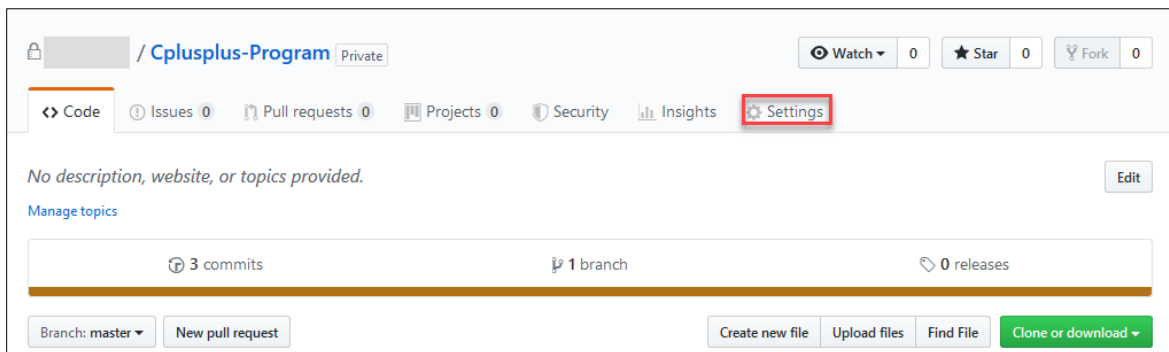
Create repository

Next, you will see the screen for your newly created repository. From here you can add a collaborator, upload project files, and update your README. Each of these options is laid out in its own section.

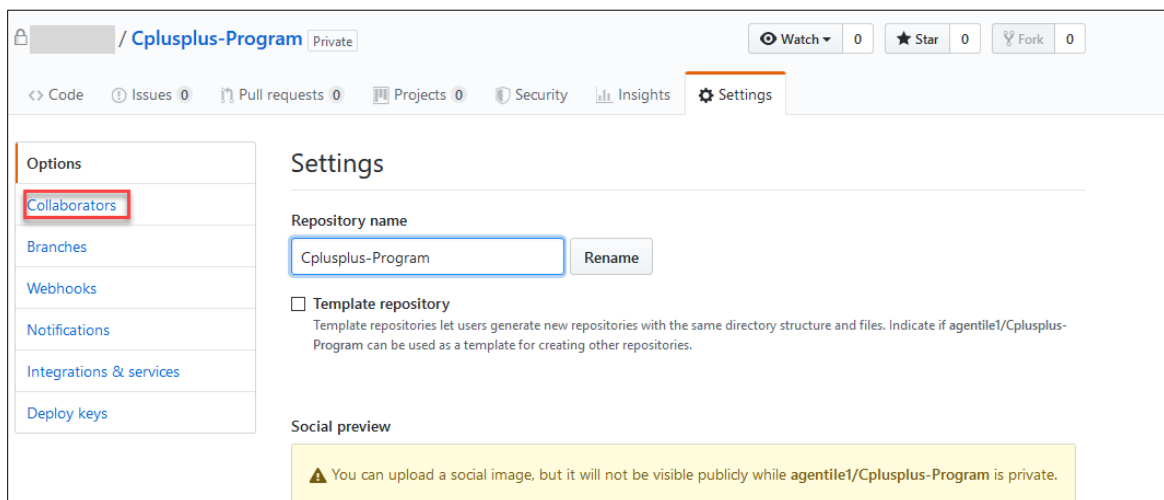


Adding a Collaborator

In order for your instructor to view and grade your portfolio, you will need to add them as a collaborator to your repository. From the home page for your repository, navigate to the **Settings** tab.

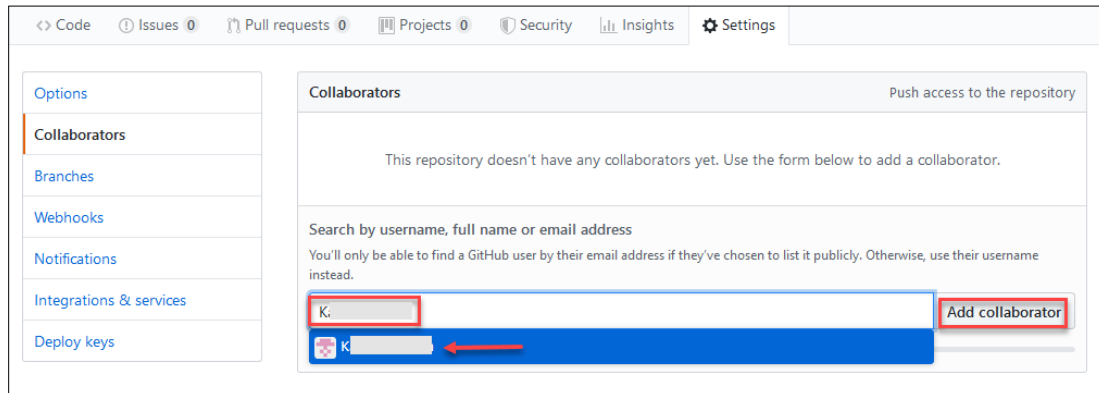


From the sidebar menu, click the **Collaborators** link to open the Collaborators page.

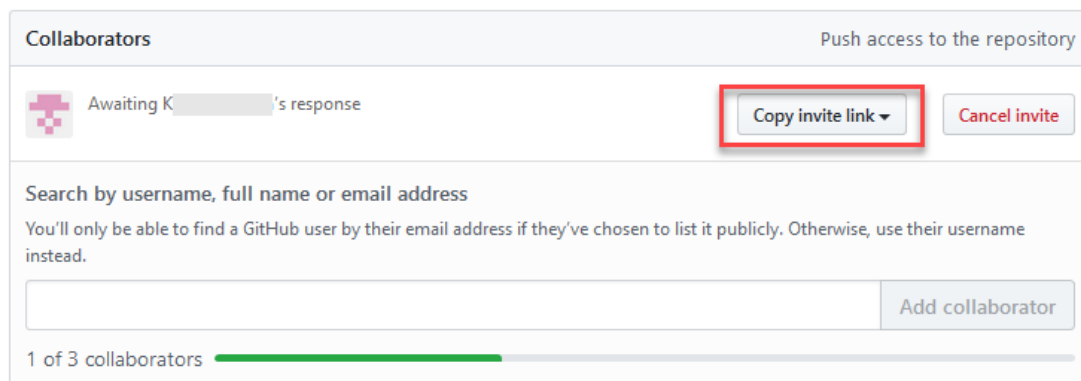


For security, you will be prompted to confirm your password. Once you have confirmed your password, you will be taken to the **Collaborators** page. Look for where it says **Search by username, full name or email address** and enter your instructor's GitHub username in the box. Once you have typed their name in the box, you should see their username pop up below the search. Click on the username, then click **Add collaborator**.

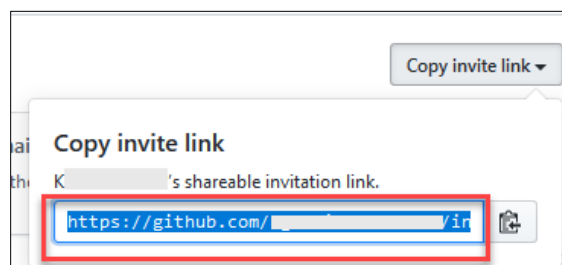
Note: Your instructor should have provided their username in an announcement or discussion post. If you are unsure of their username, please email your instructor.



Once you have completed this step, you should see your instructor's username listed under **Collaborators**. It will say, "Awaiting [username]'s response." You will also see a button labeled **Copy invite link**. Click this button.

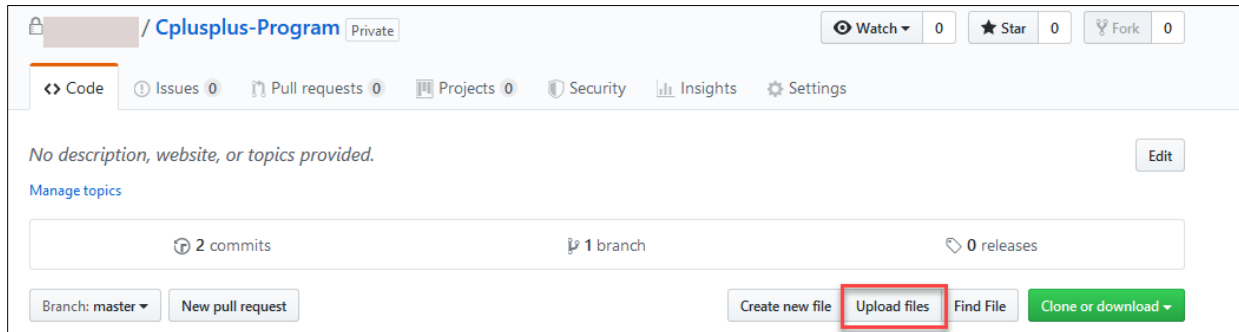


This button will pop up a URL with the invitation link. Click on the text to highlight it, as shown in the image. Press **Ctrl + C** to copy the link to your clipboard. Then paste your link into the indicated box and submit it to your instructor.

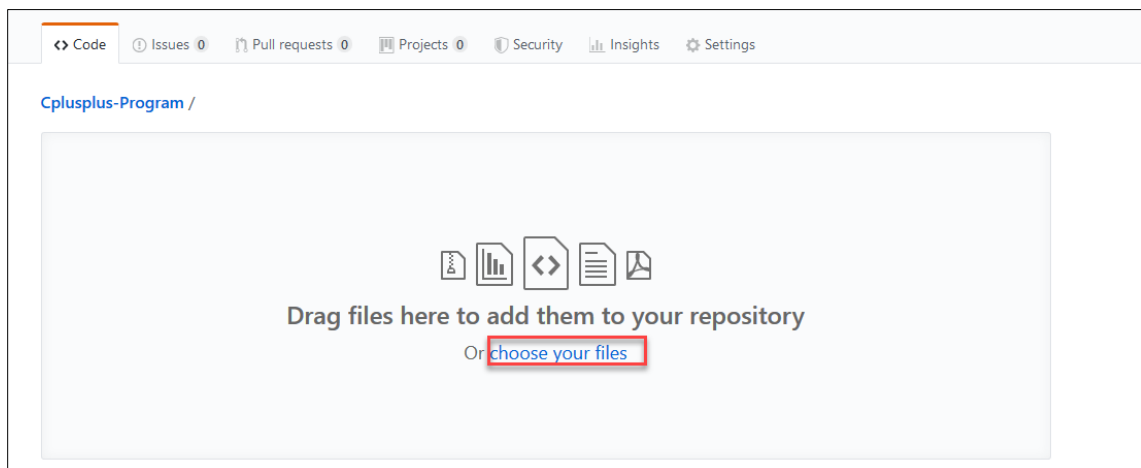


Uploading Project Files

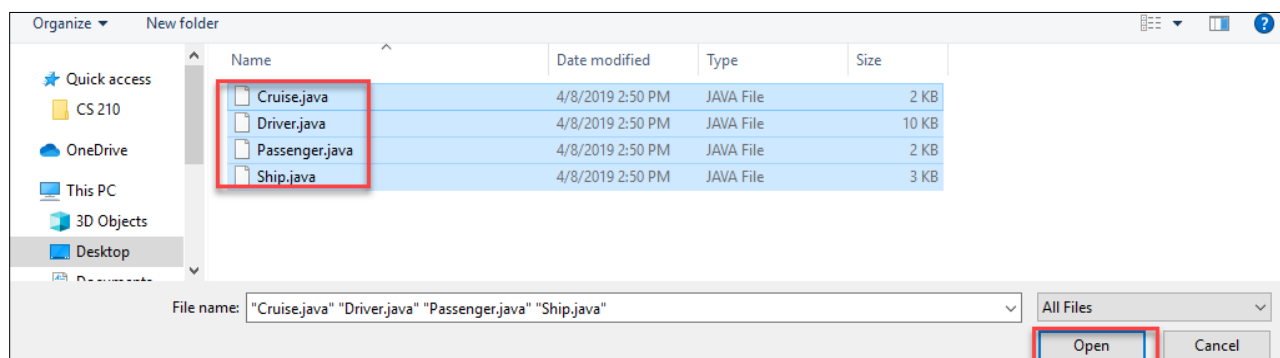
Once you are in your new repository, you will see an option to **Upload files**. When you have decided on the project you want to include in your portfolio, click this button to upload your files.



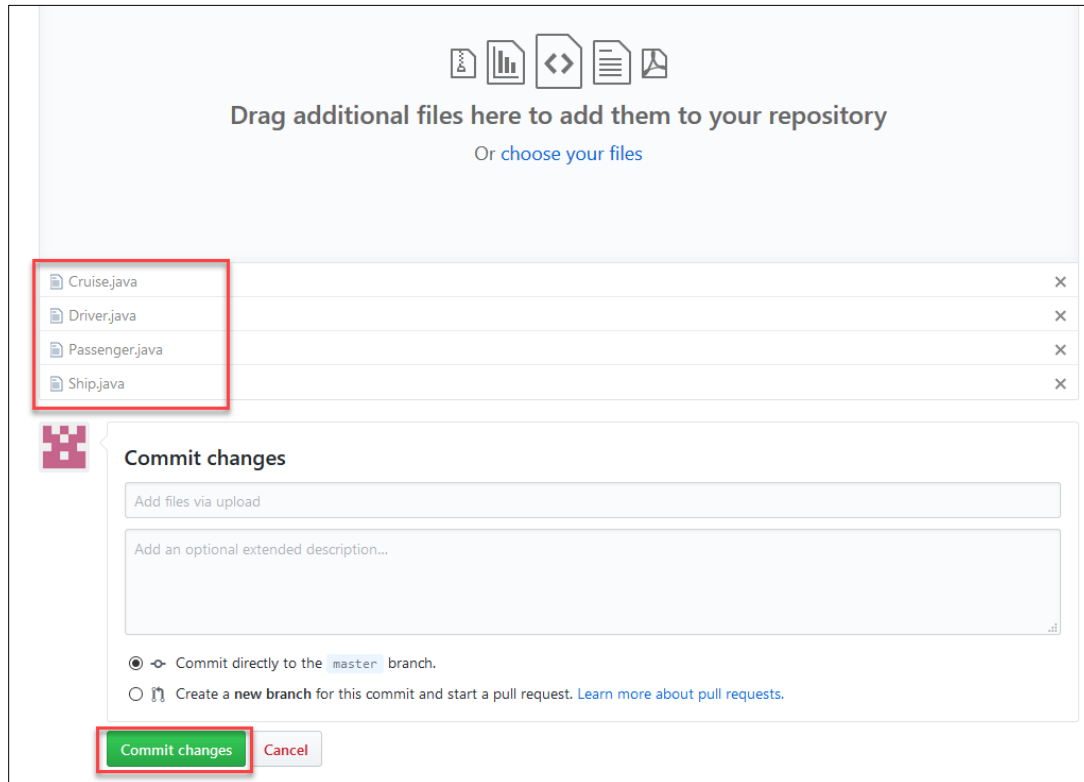
You have the option to either drag your files into the window or click the **choose your files** link. Either option will upload your files to the repository. This tutorial will walk you through using the **choose your files** link.



If you upload your files using the **choose your files** link, a dialog box will pop up allowing you to browse through your computer. Navigate to the folder where your project files are stored. Use **Ctrl + click** and select each file. This will allow you to upload multiple files at once. In this example, there are four JAVA files selected. Click **Open** to upload your files into the repository.



Once you have successfully uploaded your files, you should see them underneath the upload window. In this example, sample files named Cruise.java, Driver.java, Passenger.java, and Ship.java have been uploaded. Once all your files have been uploaded, select the **Commit changes** button. The default option is to **Commit directly to the master branch**. Make sure this option stays selected.



Drag additional files here to add them to your repository
Or [choose your files](#)

- Cruise.java
- Driver.java
- Passenger.java
- Ship.java

Commit changes

Add files via upload

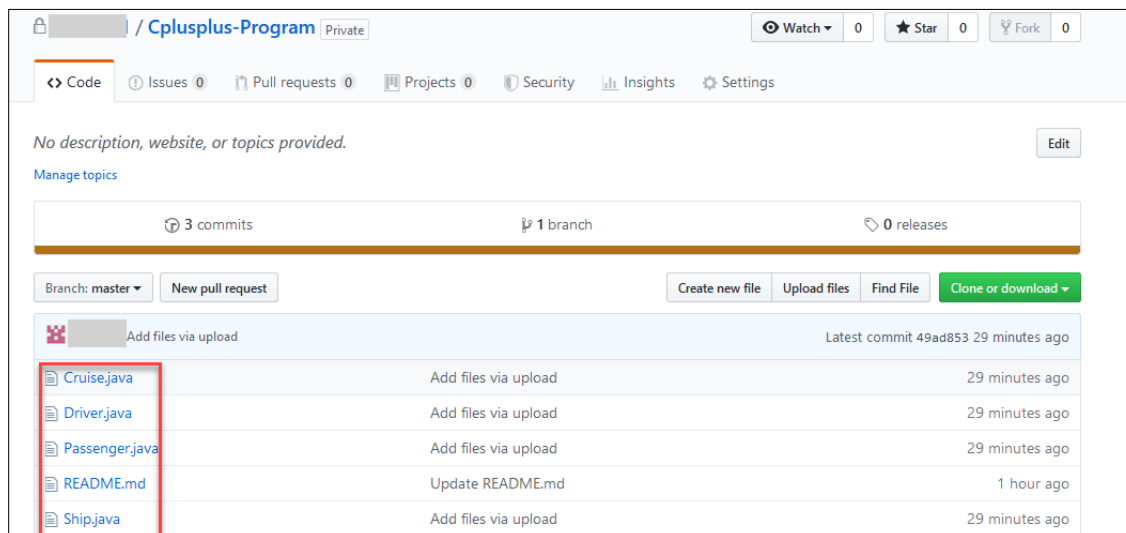
Add an optional extended description...

☒ Commit directly to the `master` branch.

☐ Create a **new branch** for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes Cancel

You will see a screen that indicates your files are being uploaded. When the files are finished, you will be taken back to your repository page and should see all your files listed. Also included is the README.md file that was created with your repository.



[Cplusplus-Program](#) Private

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Security Insights Settings

No description, website, or topics provided. [Edit](#)

[Manage topics](#)

3 commits 1 branch 0 releases

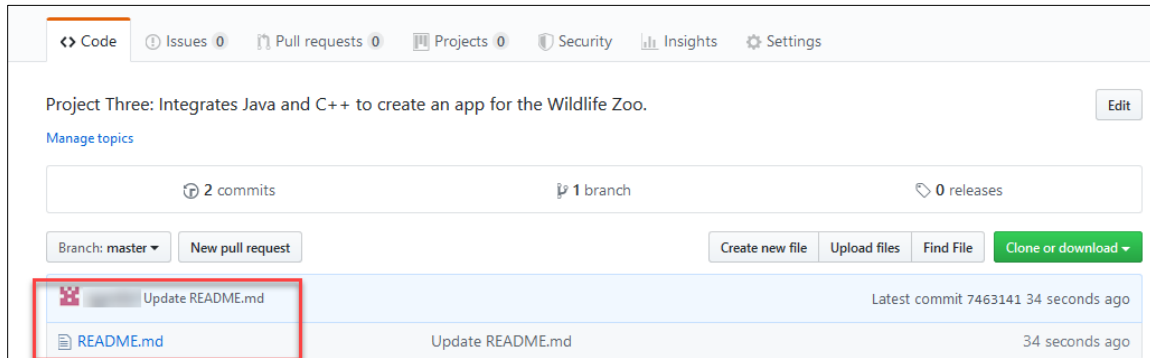
Branch: master New pull request

Create new file Upload files Find File Clone or download

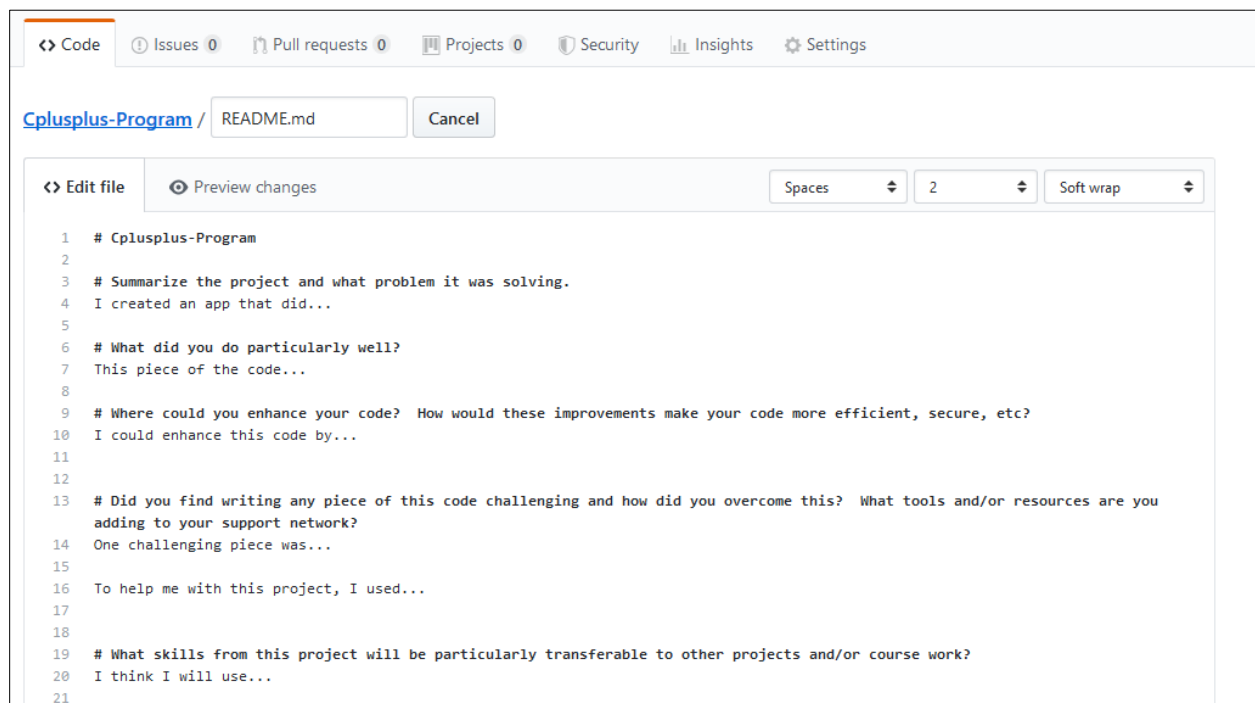
File	Action	Time
Cruise.java	Add files via upload	29 minutes ago
Driver.java	Add files via upload	29 minutes ago
Passenger.java	Add files via upload	29 minutes ago
README.md	Update README.md	1 hour ago
Ship.java	Add files via upload	29 minutes ago

Updating the README


Once you have submitted your project files, you will need to update the README file for your repository. This is where you will describe your project in more detail and reflect on what you have learned. Click on the file named “README.md” to open your README file.



This will bring you to the editor, where you can write your portfolio reflection. The example below includes a sample of some questions and responses. You should copy in the reflection questions or prompt from the portfolio activity in your course. Then write your reflection. You can use “#” to create headers for your responses.



When you have finished your reflection, be sure to press the **Commit changes** button as shown below to save your updated README file. This is located under the editor. Be sure to keep the default setting **Commit directly to the master branch** selected.



Commit changes

Update README.md

Add an optional extended description...

☒ Commit directly to the `master` branch.
 ☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes
Cancel

Committing your changes will bring you back to the repository page. This page should include a list of your files and a preview of the README file. Copy the URL and paste it into your portfolio submission.

Cplusplus-Program

Private

Watch

0

Star

0

Fork

0

<> Code

Issues 0

Pull requests 0

Projects 0

Security

Insights

Settings

No description, website, or topics provided.

Edit

Manage topics

3 commits

1 branch

0 releases

Branch: master

New pull request

Create new file

Upload files

Find File

Clone or download

	Add files via upload	Latest commit 49ad853 27 minutes ago
	Cruise.java	Add files via upload 27 minutes ago
	Driver.java	Add files via upload 27 minutes ago
	Passenger.java	Add files via upload 27 minutes ago
	README.md	Update README.md 1 hour ago
	Ship.java	Add files via upload 27 minutes ago

README.md

Cplusplus-Program

Summarize the project and what problem it was solving.