Oarabile Madhlope
WPR252 Assignment

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CREATING A REPOSITORY

GitHub, Summary: GitHub is a provider of the internet hosting for software development and version control using Git. It offers distributed version control and source code management functionality of Git.

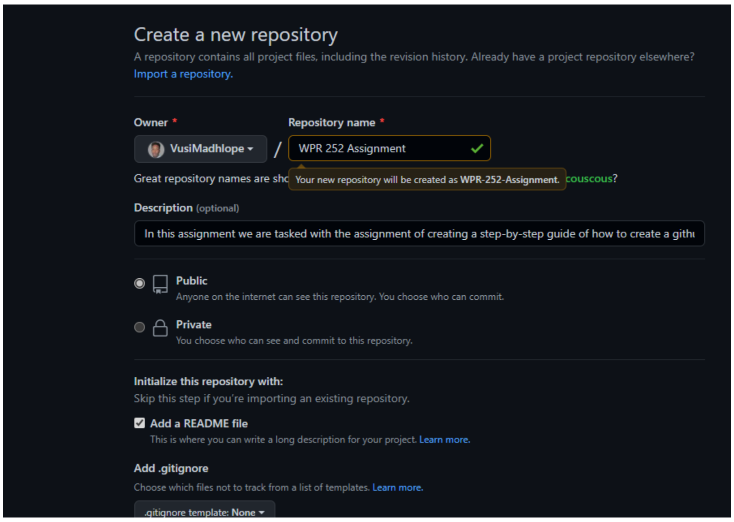
Creating a repository

To simplify, a repository in GitHub is a GitHub repository. It is like a folder and the GitHub repository becomes a folder that is available online on the cloud for people to access, download and contribute too.

Screenshot 1:

Below, you see step 1, which is creating a Github repository. This step includes you inputting your Repository Name, description of your repository and choosing whether to make it public or private, these two choices determine the accessibility of your projects by other users who would like to access your repository. Options of adding a readme file are also included, but it is known as best practice to always include one. Why, it's important well reason being is due to it being the first file a user/person will see regarding your project and also it serves as a brief description of your project.

Repo1:



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Owner * VusiMadhlope / Repository name * WPR 252 Assignment ✓

Great repository names are sho Your new repository will be created as **WPR-252-Assignment.** couscous?

Description (optional)

In this assignment we are tasked with the assignment of creating a step-by-step guide of how to create a githu

● Public
Anyone on the internet can see this repository. You choose who can commit.

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

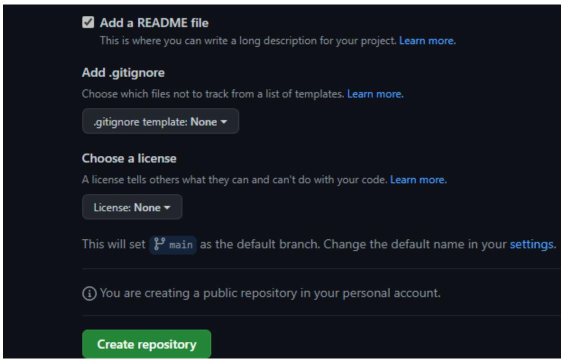
Initialize this repository with:
Skip this step if you're importing an existing repository.

☑ Add a README file
This is where you can write a long description for your project. Learn more.

Add .gitignore
Choose which files not to track from a list of templates. Learn more.

.gitignore template: None ▾

Repo2:



☑ Add a README file
This is where you can write a long description for your project. Learn more.

Add .gitignore
Choose which files not to track from a list of templates. Learn more.

.gitignore template: None ▾

Choose a license
A license tells others what they can and can't do with your code. Learn more.

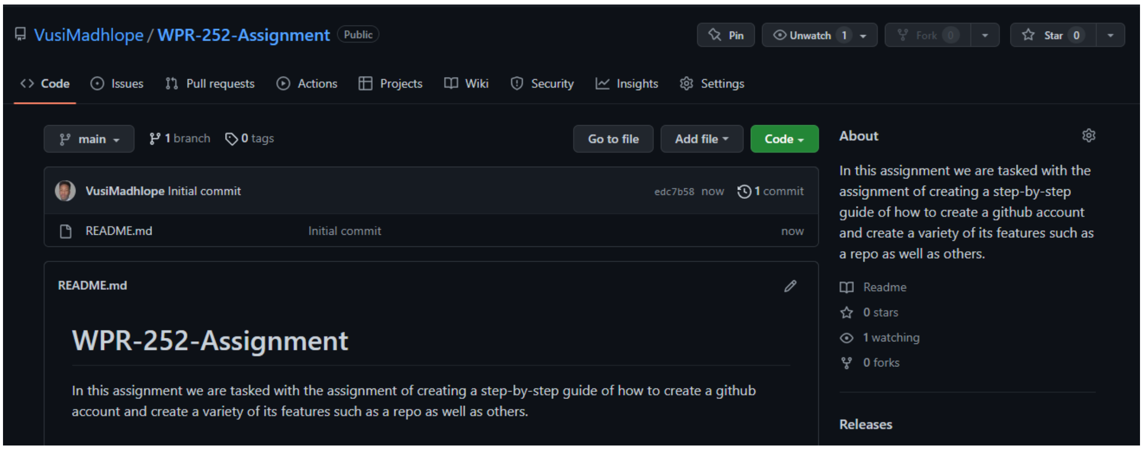
License: None ▾

This will set main as the default branch. Change the default name in your settings.

ⓘ You are creating a public repository in your personal account.

Create repository

Repo3: Below is the display in success of the creation of your repository.



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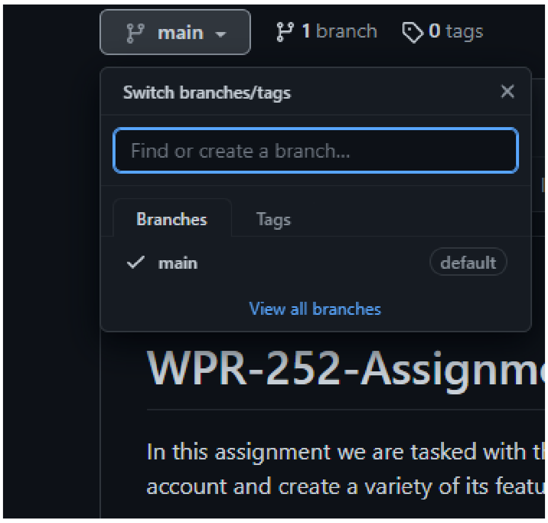
In this assignment we are tasked with the assignment of creating a step-by-step guide of how to create a github account and create a variety of its features such as a repo as well as others.

CREATING A BRANCH

To briefly explain, a branch is simply a copy of a Git project that you can make changes to, the changes can be as many as you like combined with the original project. Main branch is known as the “Master” branch and its subsidiaries or sub-branches are known as the “slaves”.

Step1:

In this step, you create a “slave” branch by clicking on the drop-down file that says main. This is illustrated with the red circle for better clarity.

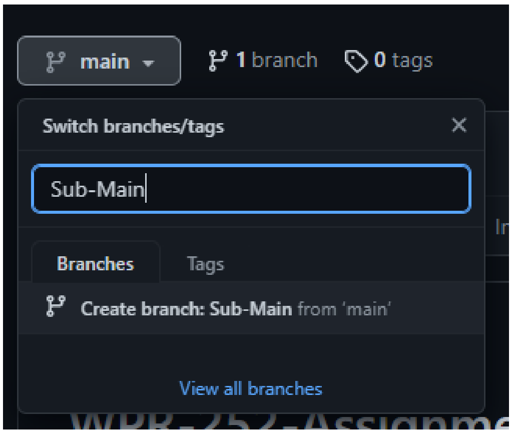


WPR-252-Assignm

In this assignment we are tasked with t
account and create a variety of its featu

Step 2:

Step 2 depicts the naming of the sub-branch. The name of the second branch created can be given any name. It would be best practice to name the branch something related to the main. An example would be Sub-Main since the main branch is name main. Once complete click create branch.

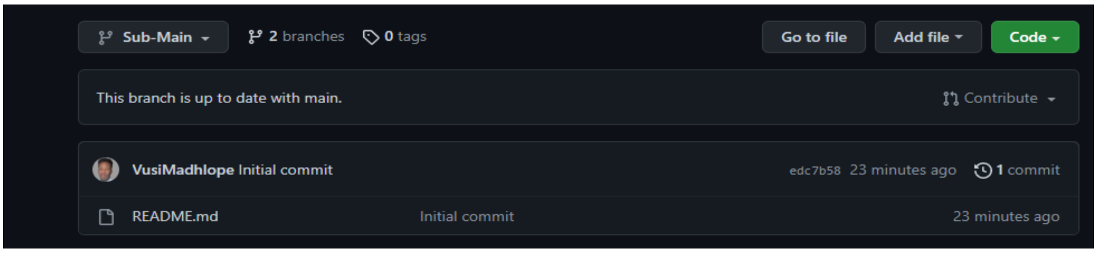


Sub-Main

Create branch: Sub-Main from 'main'

Step 3:

Step 3 shows the success upon the creation of the branch creation. Next to the drop down, depicts how many branches are existent. If it still displays 1 branch, then this can be an indication that you were unable to create a branch.

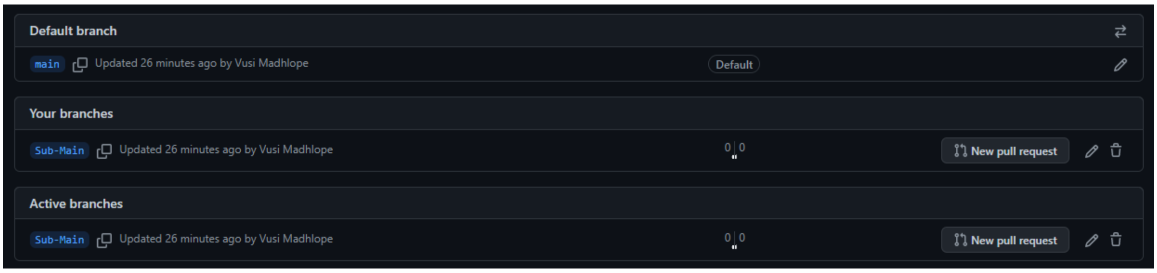


This branch is up to date with main.

VusiMadhlope Initial commit edc7b58 23 minutes ago 1 commit

README.md Initial commit 23 minutes ago

Step 4: Step 4 shows the overview of the branches. Below displays the default branch (main) and the branches just created (Sub-Main) and of which branches are in current use.



Default branch

main Updated 26 minutes ago by Vusi Madhlope Default

Your branches

Sub-Main Updated 26 minutes ago by Vusi Madhlope 0 | 0 New pull request

Active branches

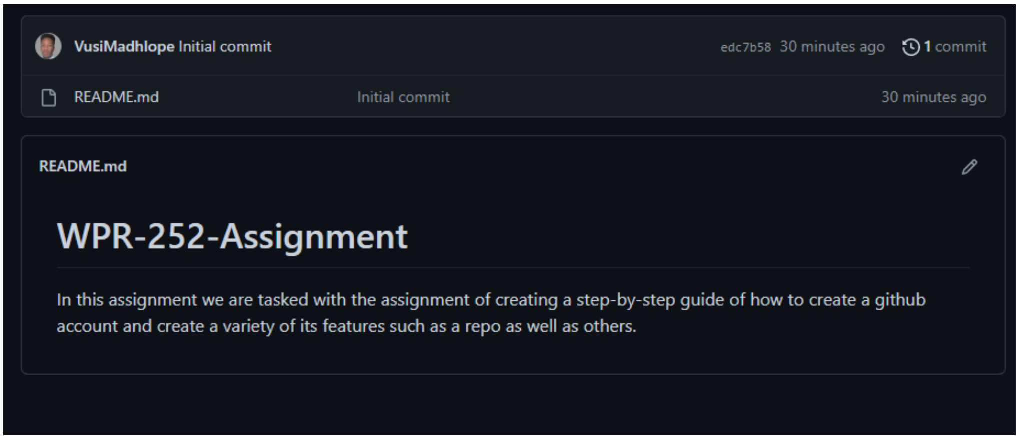
Sub-Main Updated 26 minutes ago by Vusi Madhlope 0 | 0 New pull request

Making and committing changes

What is a commit: Each commit has a related commit message, which is a depiction making sense of why a specific change was needed to be made.

Step 1:

To begin the process of making and committing changes, under your sub-branch, you revert to the README.md file. Alongside it you click on the edit (far right pen icon) to edit.

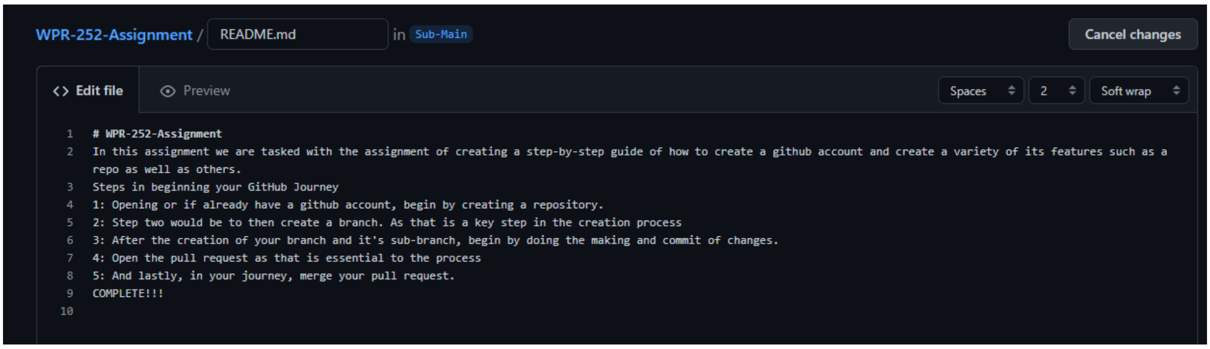


WPR-252-Assignment

In this assignment we are tasked with the assignment of creating a step-by-step guide of how to create a github account and create a variety of its features such as a repo as well as others.

Step 2:

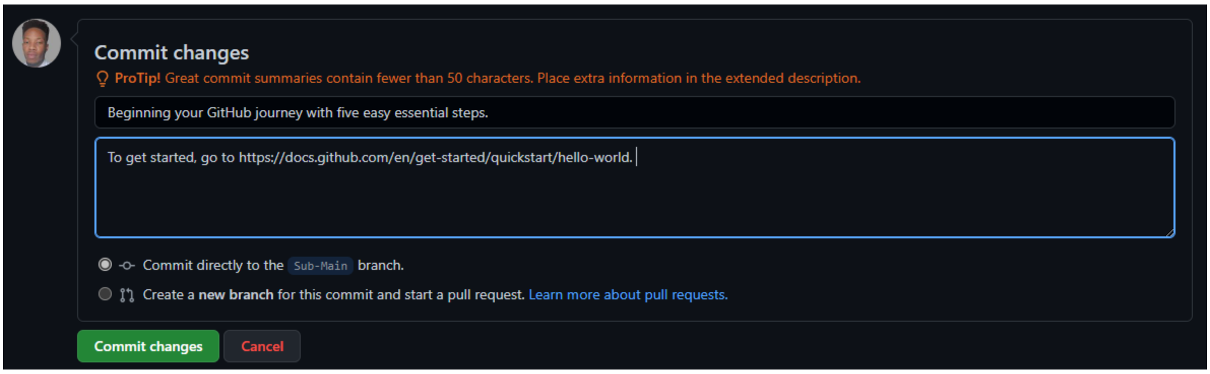
In this section, you can edit the file by adding on instructions and other types of comments. It's with good practice that different Markdown elements are used.



```
# WPR-252-Assignment
In this assignment we are tasked with the assignment of creating a step-by-step guide of how to create a github account and create a variety of its features such as a repo as well as others.
Steps in beginning your GitHub Journey
1: Opening or if already have a github account, begin by creating a repository.
2: Step two would be to then create a branch. As that is a key step in the creation process
3: After the creation of your branch and it's sub-branch, begin by doing the making and commit of changes.
4: Open the pull request as that is essential to the process
5: And lastly, in your journey, merge your pull request.
COMPLETE!!!
```

Step 3:

This is where you will describe your types of changes, in this section, the description should be detailed as possible. Once complete click on the Commit changes. Changes will occur only to the README.md file of readme-edits (second branch).



ProTip! Great commit summaries contain fewer than 50 characters. Place extra information in the extended description.

Beginning your GitHub journey with five easy essential steps.

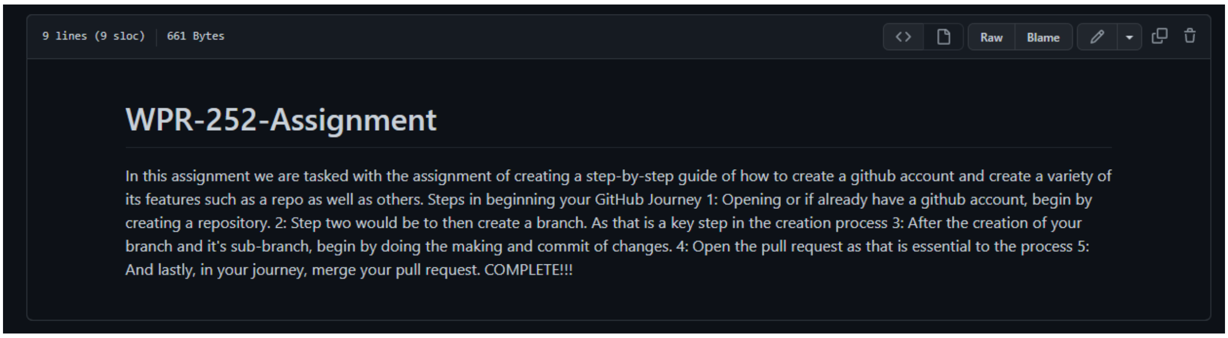
To get started, go to https://docs.github.com/en/get-started/quickstart/hello-world.

● Commit directly to the Sub-Main branch.

○ Create a **new branch** for this commit and start a pull request. Learn more about pull requests.

Step 4:

Once done clicking commit changes. The changes show as follows.



WPR-252-Assignment

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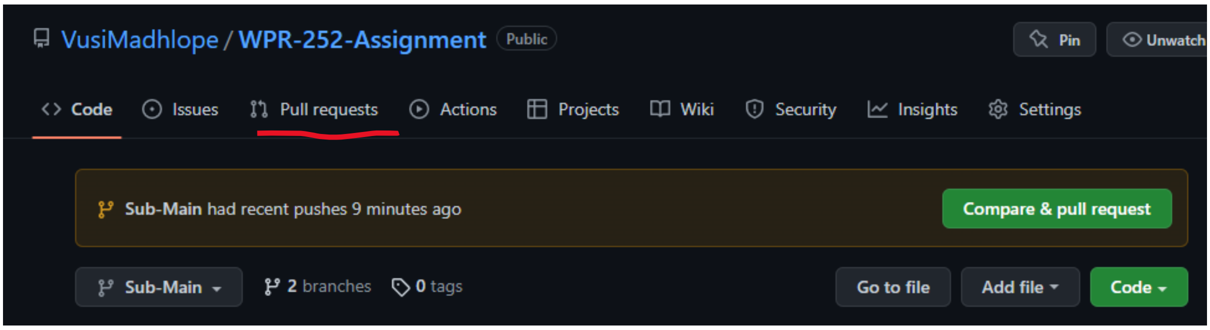
Opening a pull request:

What is a pull request: Pull requests are known as the heart of collaboration in GitHub. At the point when you open a pull request, you're proposing your changes and requesting that somebody survey and pull in your commitment and union them into their branch. Pull requests show diffs, or contrasts, of the substance from the two branches.

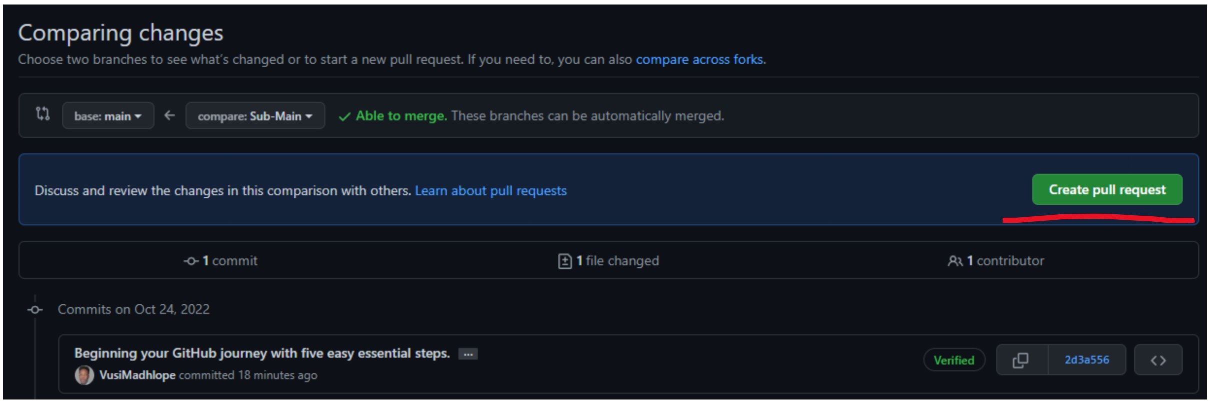
Step 1:

Click down on the pull request tab.

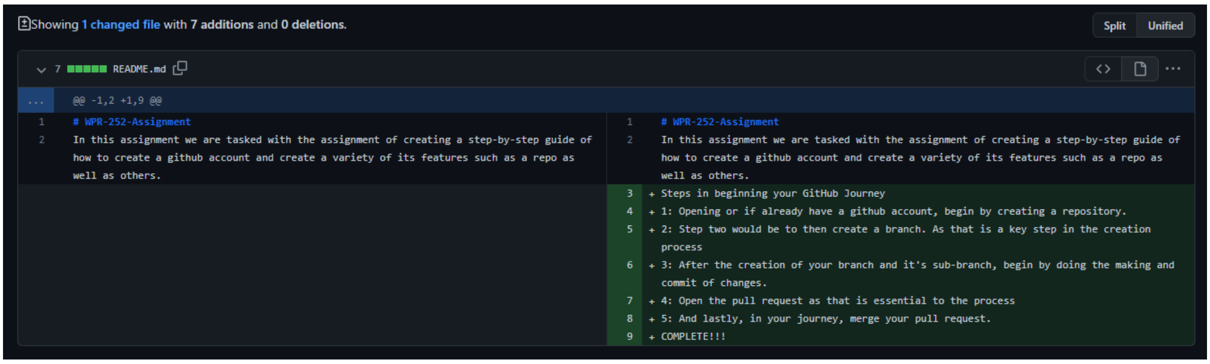


Step 2:

Click on Create pull request.


Comparing changes
Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks.
base: main
compare: Sub-Main
✓ Able to merge. These branches can be automatically merged.
Discuss and review the changes in this comparison with others. Learn about pull requests
Create pull request
1 commit
1 file changed
1 contributor
Commits on Oct 24, 2022
Beginning your GitHub journey with five easy essential steps.
VusiMadhlope committed 18 minutes ago
Verified
2d3a556

Step 3: In this step the user will then click on Compare & pull request and it will pull up the image below, which depicts the comparison of the two branches.



Showing 1 changed file with 7 additions and 0 deletions.

7 README.md

```
@@ -1,2 +1,9 @@
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In this assignment we are tasked with the assignment of creating a step-by-step guide of how to create a github account and create a variety of its features such as a repo as well as others.
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+ COMPLETE!!!
```
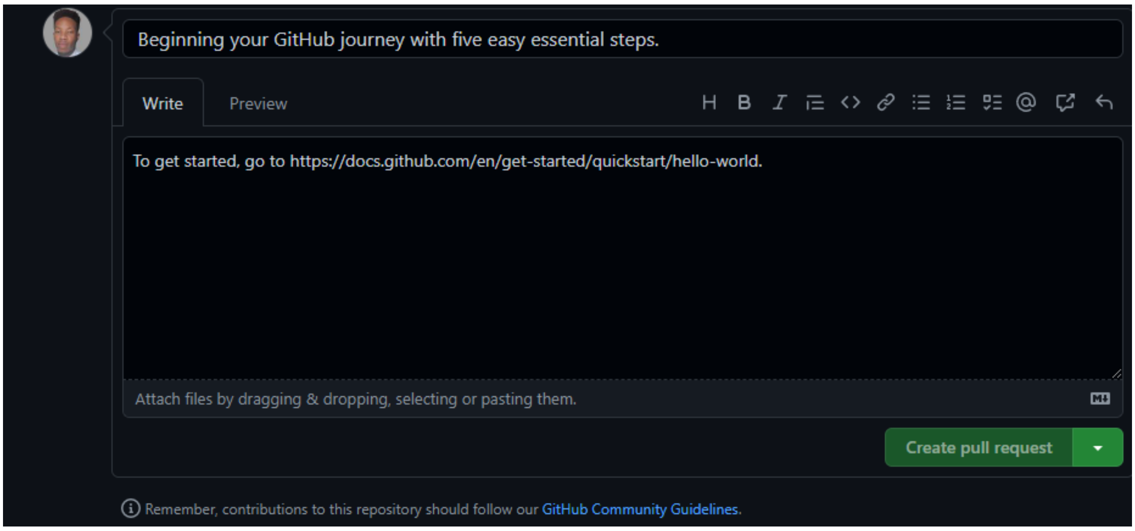

Step 4:

Click create pull request to complete the pull request step.



Beginning your GitHub journey with five easy essential steps.

To get started, go to https://docs.github.com/en/get-started/quickstart/hello-world.

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

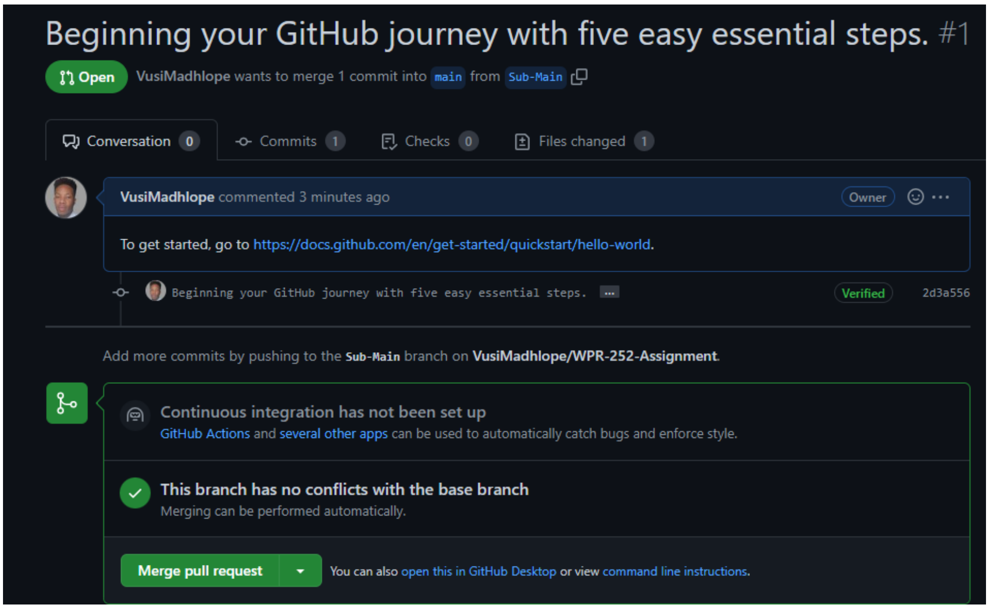
Remember, contributions to this repository should follow our GitHub Community Guidelines.

Merging your pull request

Final step is to merge your sub-branch with the main branch. After you merge your pull request, the changes on your readme-alters branch will be integrated into primary.

Step1:

To begin the final stretch in completing the GitHub setup. Begin by clicking on the “Merge Pull requests button”



Beginning your GitHub journey with five easy essential steps. #1

Open VusiMadhlope wants to merge 1 commit into main from Sub-Main

VusiMadhlope commented 3 minutes ago Owner

To get started, go to https://docs.github.com/en/get-started/quickstart/hello-world.

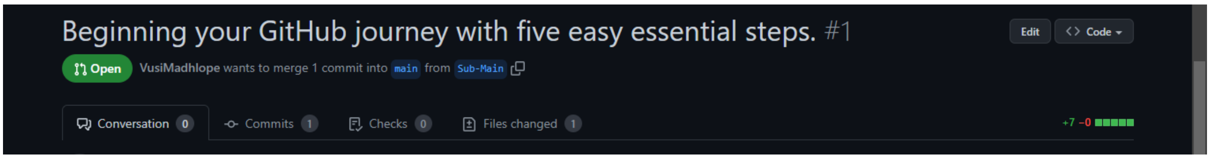
Beginning your GitHub journey with five easy essential steps. … Verified 2d3a556

Add more commits by pushing to the Sub-Main branch on VusiMadhlope/WPR-252-Assignment.

Continuous integration has not been set up
GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch
Merging can be performed automatically.

You can also open this in GitHub Desktop or view command line instructions.

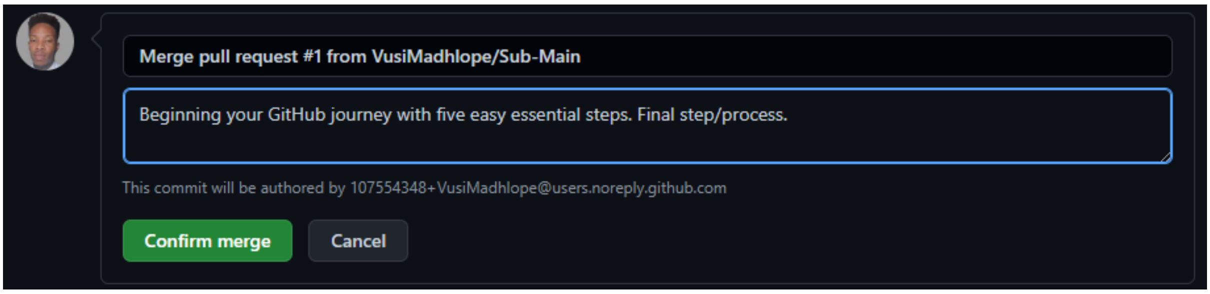


Beginning your GitHub journey with five easy essential steps. #1

Open VusiMadhlope wants to merge 1 commit into main from Sub-Main

Step 2:

Once done with the "Merge pull request" button, click on "Confirm Merge". Once completed, you will receive a message that says, "the request was successfully merged and the request was closed".

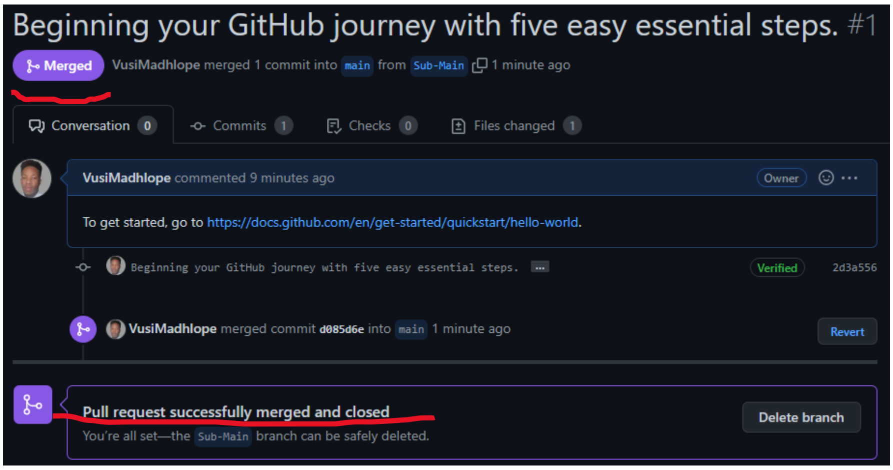


Merge pull request #1 from VusiMadhlope/Sub-Main

Beginning your GitHub journey with five easy essential steps. Final step/process.

This commit will be authored by 107554348+VusiMadhlope@users.noreply.github.com

Step 3:



Beginning your GitHub journey with five easy essential steps. #1

Merged VusiMadhlope merged 1 commit into main from Sub-Main 1 minute ago

VusiMadhlope commented 9 minutes ago Owner

To get started, go to https://docs.github.com/en/get-started/quickstart/hello-world.

Beginning your GitHub journey with five easy essential steps. … Verified 2d3a556

VusiMadhlope merged commit d085d6e into main 1 minute ago

Pull request successfully merged and closed

You're all set—the Sub-Main branch can be safely deleted.

The changes made will now appear on main. You have the choice to delete the second branch or not. Link for my github WPR252 Assignment repository;

Link

VusiMadhlope/WPR-252-Assignment: In this assignment we are tasked with the assignment of creating a step-by-step guide of how to create a github account and create a variety of its features such as a repo as well as others.