Digital Design & Embedded Systems

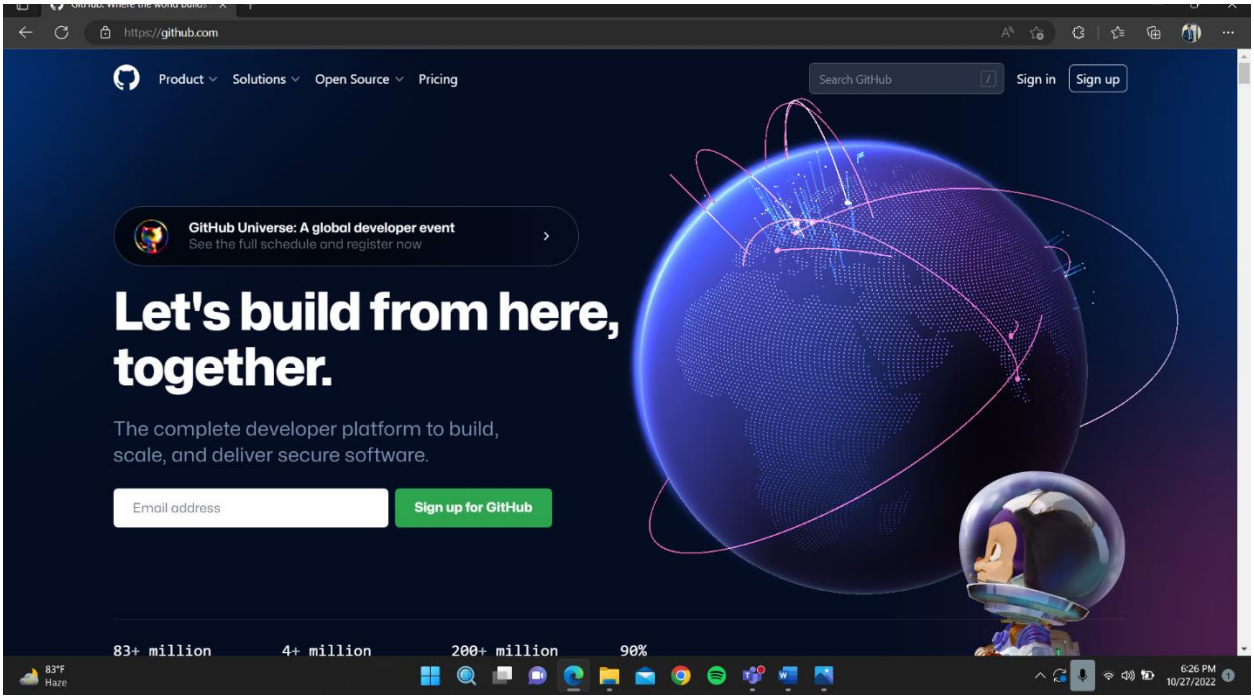
CE 307.3

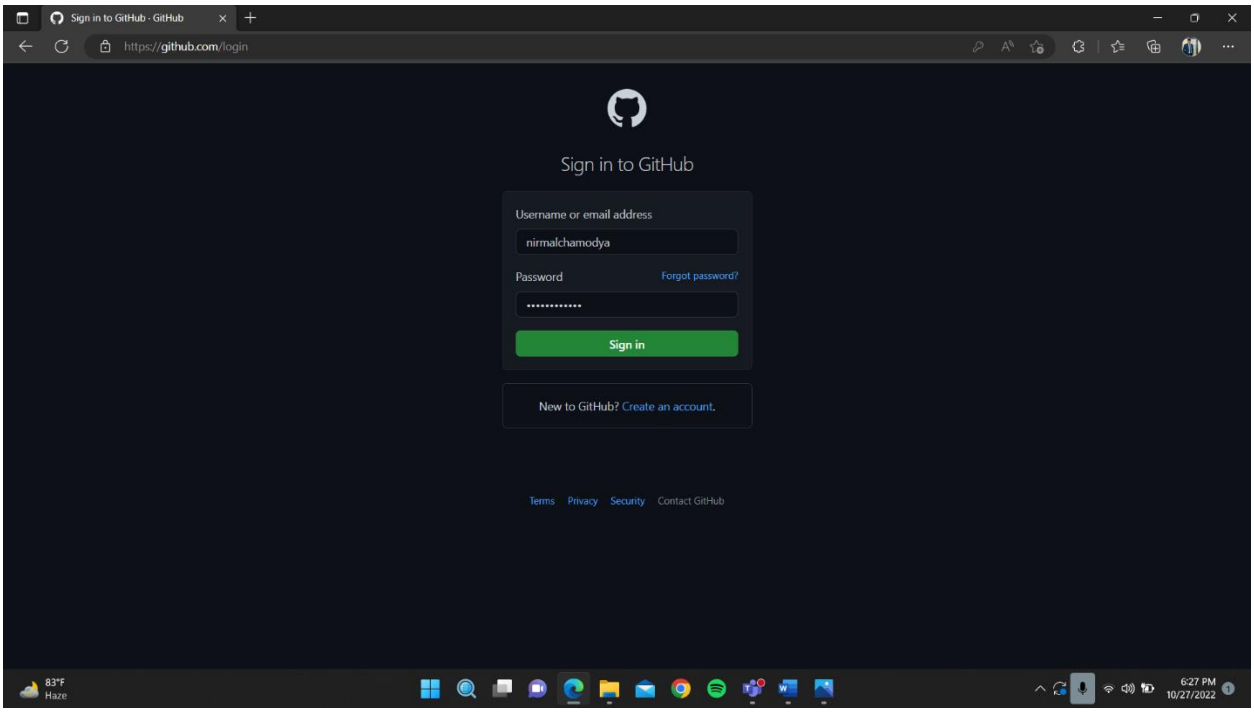
GitHub Tutorial

W C Nirmal
20941
20.1 Batch
Faculty Of Engineering.

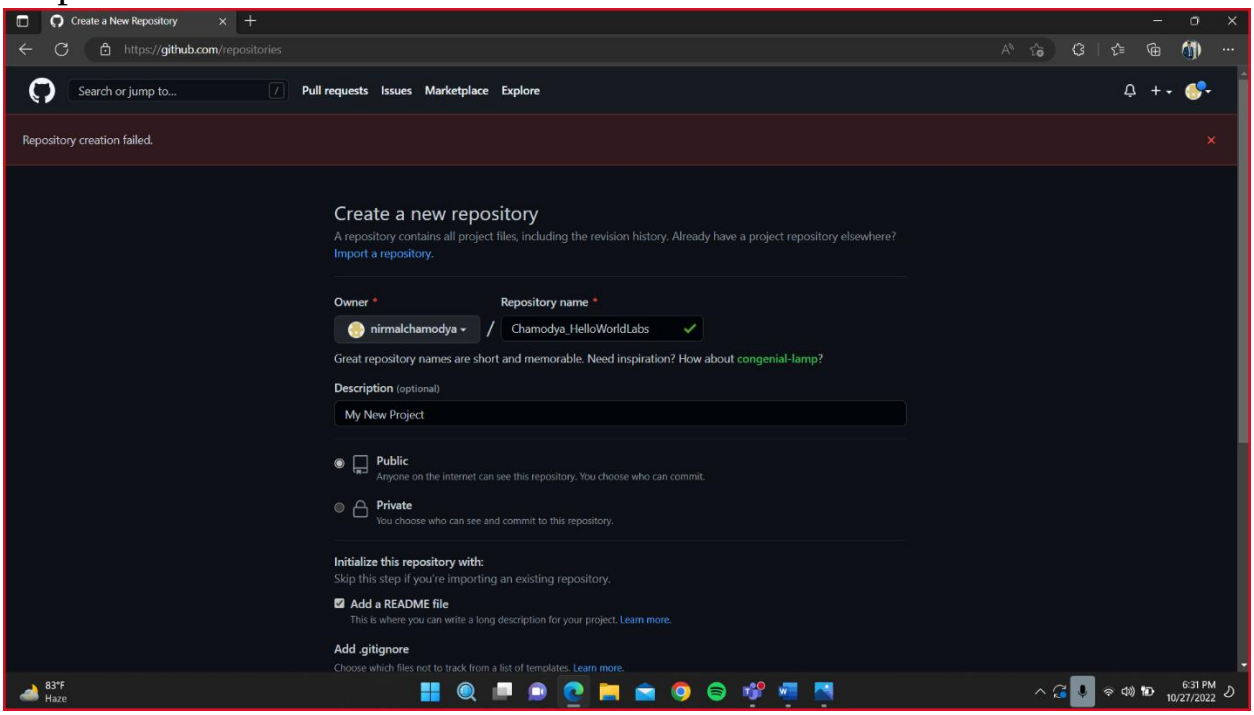
1.1 Familiarizing with Github

Step 1

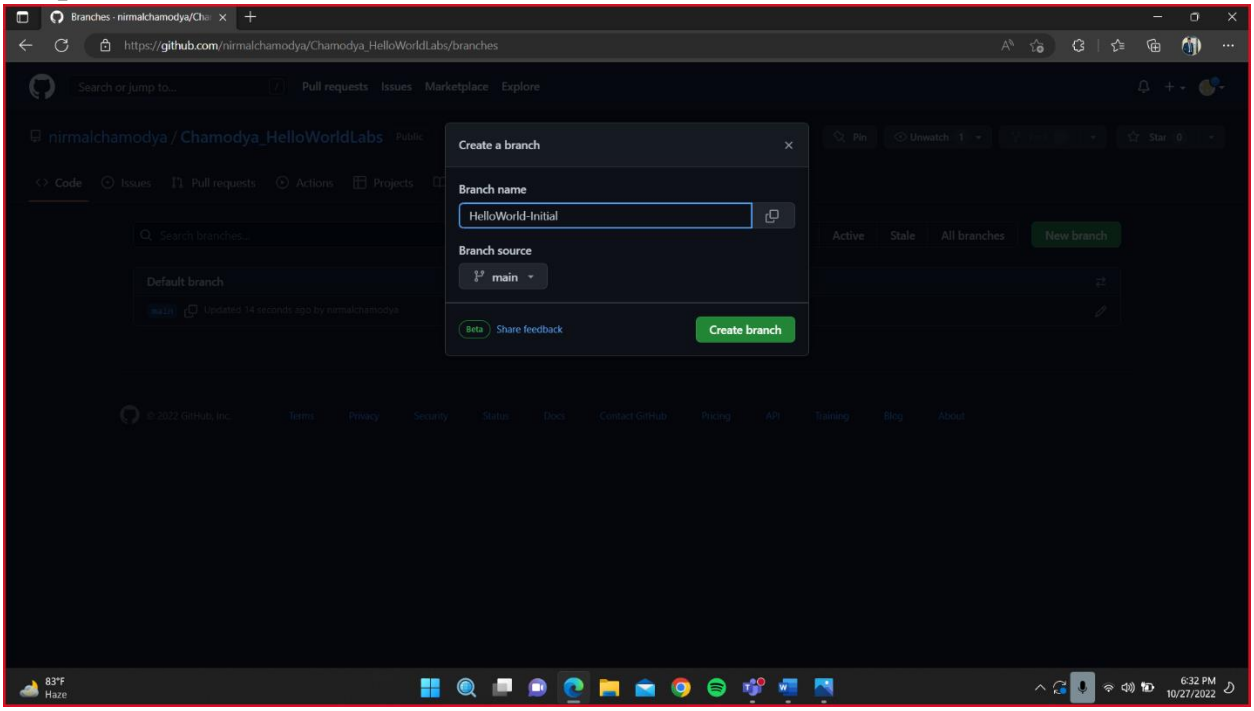


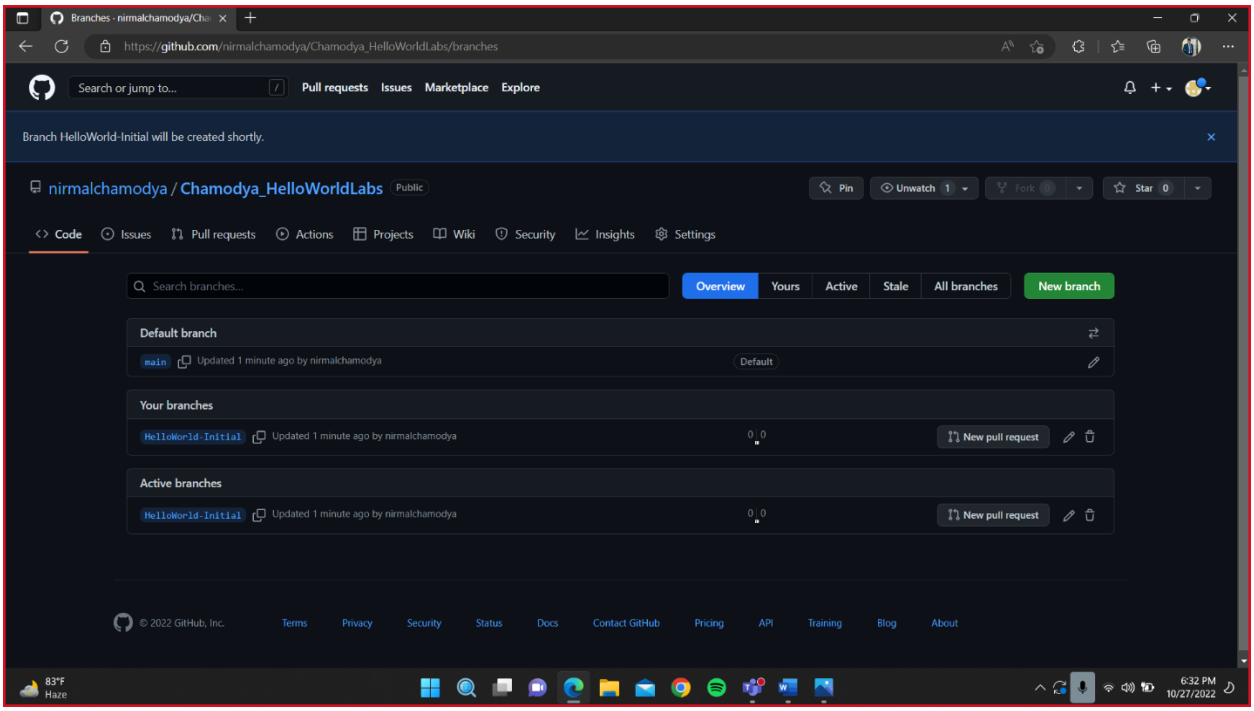


Step 2

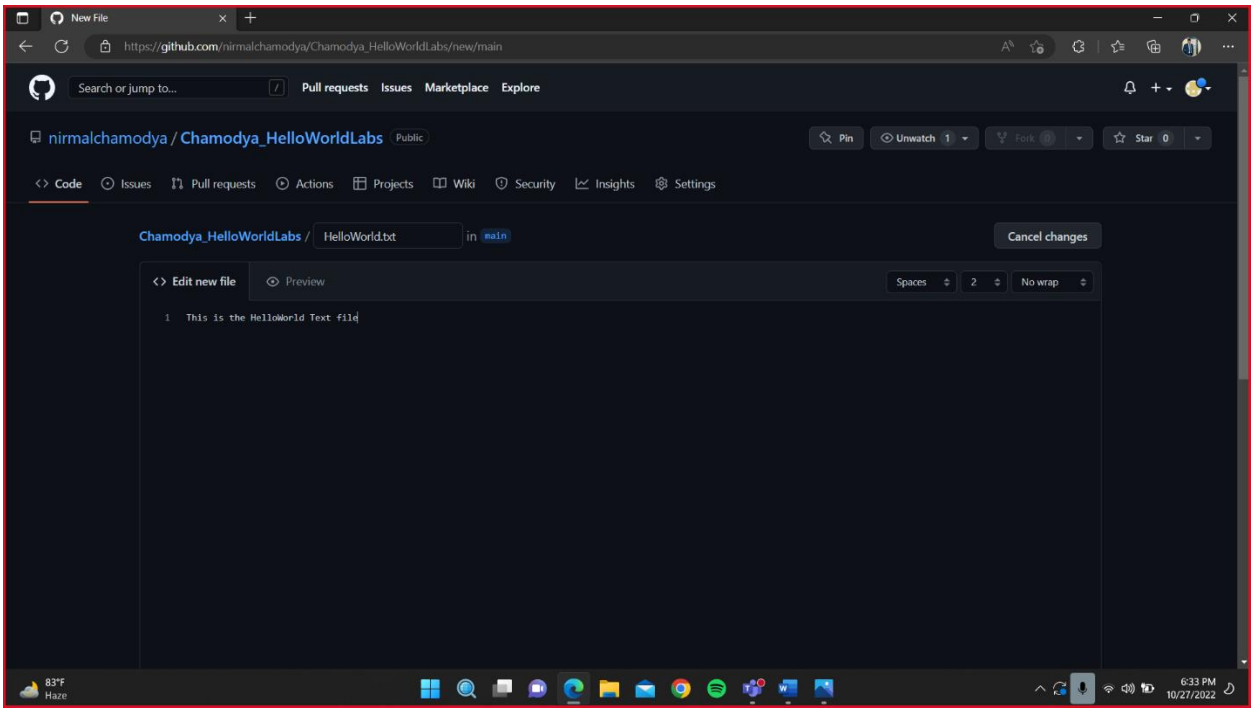

Create a New Repository
https://github.com/repositories
Search or jump to...
Pull requests
Issues
Marketplace
Explore
Repository creation failed.
Create a new repository
A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.
Owner *
Repository name *
nirmalchamodya
Chamodya_HelloWorldLabs
Great repository names are short and memorable. Need inspiration? How about congenial-lamp?
Description (optional)
My New Project
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.
83°F
Haze
6:31 PM
10/27/2022

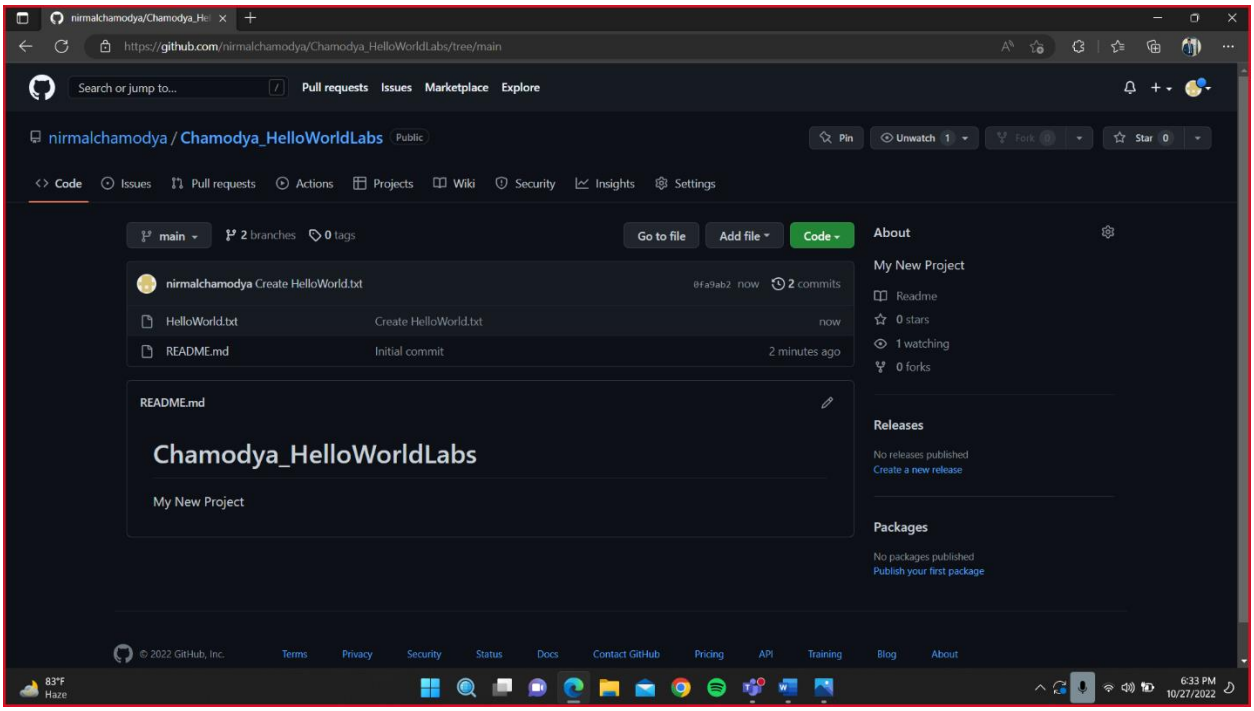
Step 3


https://github.com/nirmalchamodya/Chamodya_HelloWorldLabs/branches
nirmalchamodya / Chamodya_HelloWorldLabs
Create a branch
Branch name
HelloWorld-Initial
Branch source
main
Beta
Share feedback
Create branch
Default branch
83°F
Haze
6:32 PM
10/27/2022

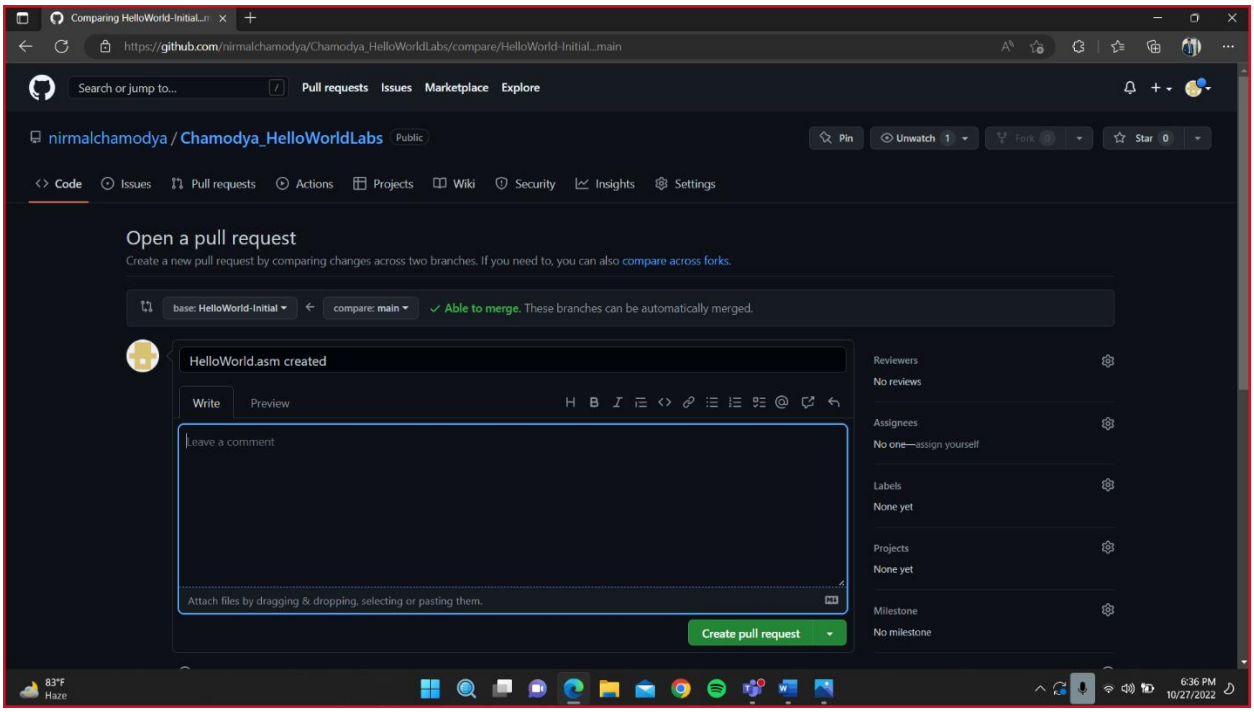

Branches · nirmalchamodya/Cha
https://github.com/nirmalchamodya/Chamodya_HelloWorldLabs/branches
Search or jump to...
Pull requests
Issues
Marketplace
Explore
Branch HelloWorld-Initial will be created shortly.
nirmalchamodya / Chamodya_HelloWorldLabs
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Search branches...
Overview
Yours
Active
Stale
All branches
New branch
Default branch
main
Updated 1 minute ago by nirmalchamodya
Default
Your branches
HelloWorld-Initial
Updated 1 minute ago by nirmalchamodya
0 0
New pull request
Active branches
HelloWorld-Initial
Updated 1 minute ago by nirmalchamodya
0 0
New pull request
© 2022 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact GitHub
Pricing
API
Training
Blog
About
83°F
Haze
6:32 PM
10/27/2022

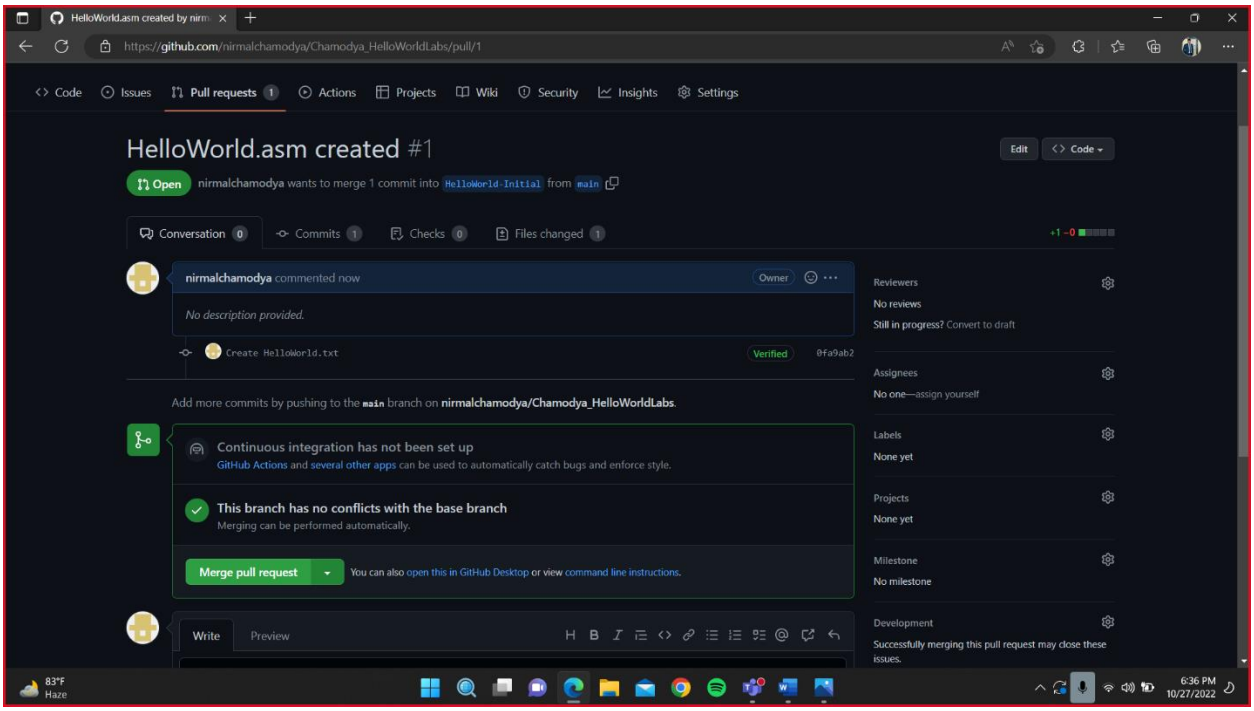
Step 4


New File
https://github.com/nirmalchamodya/Chamodya_HelloWorldLabs/new/main
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / Chamodya_HelloWorldLabs
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Chamodya_HelloWorldLabs /
HelloWorld.txt
in main
Cancel changes
Edit new file
Preview
Spaces
2
No wrap
1 This is the HelloWorld Text file
83°F
Haze
6:33 PM
10/27/2022

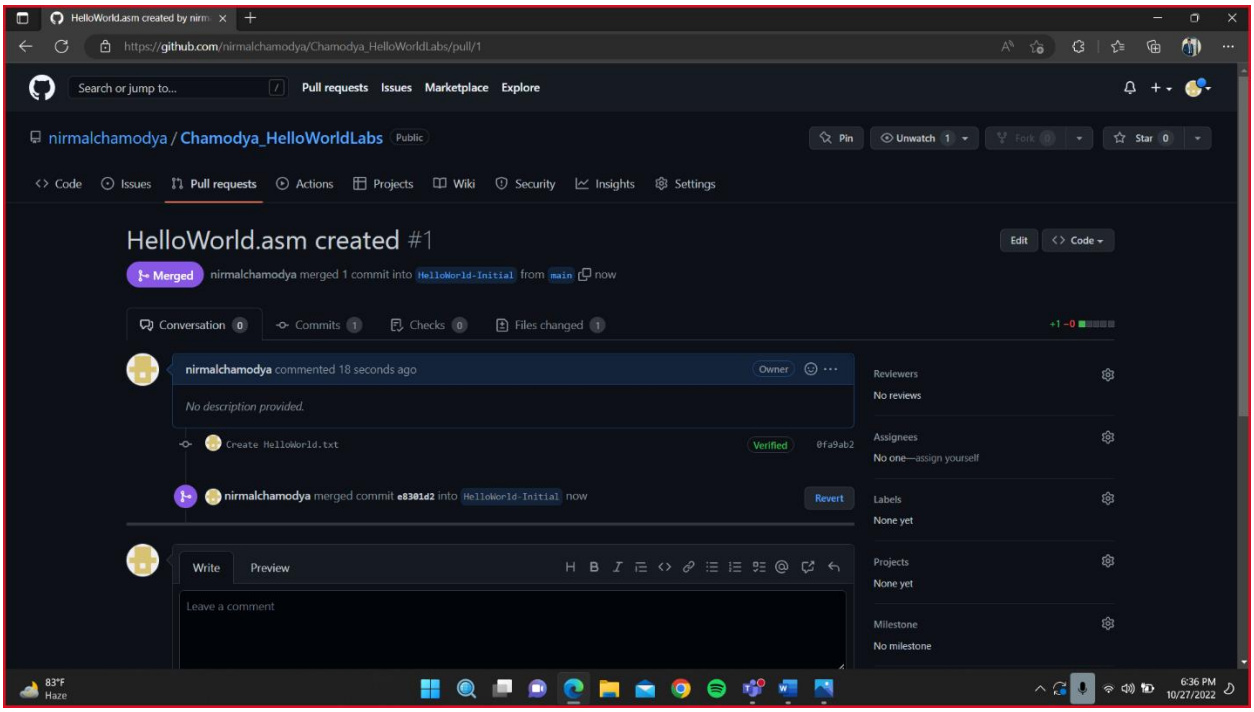

nirmalchamodya/Chamodya_HelloWorldLabs/tree/main
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / Chamodya_HelloWorldLabs
Public
Pin
Unwatch 1
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
main
2 branches
0 tags
Go to file
Add file
Code
nirmalchamodya Create HelloWorld.txt
2 commits
HelloWorld.txt
Create HelloWorld.txt
now
README.md
Initial commit
2 minutes ago
README.md
Chamodya_HelloWorldLabs
My New Project
About
My New Project
Readme
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
© 2022 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact GitHub
Pricing
API
Training
Blog
About
83°F
Haze
6:33 PM
10/27/2022

Step 5


Comparing HelloWorld-Initial...
https://github.com/nirmalchamodya/Chamodya_HelloWorldLabs/compare/HelloWorld-Initial...main
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / Chamodya_HelloWorldLabs
Public
Pin
Unwatch 1
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Open a pull request
Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.
base: HelloWorld-Initial
compare: main
Able to merge. These branches can be automatically merged.
HelloWorld.asm created
Write
Preview
Leave a comment
Attach files by dragging & dropping, selecting or pasting them.
Create pull request
Reviewers
No reviews
Assignees
No one—assign yourself
Labels
None yet
Projects
None yet
Milestone
No milestone
83°F
Haze
6:36 PM
10/27/2022

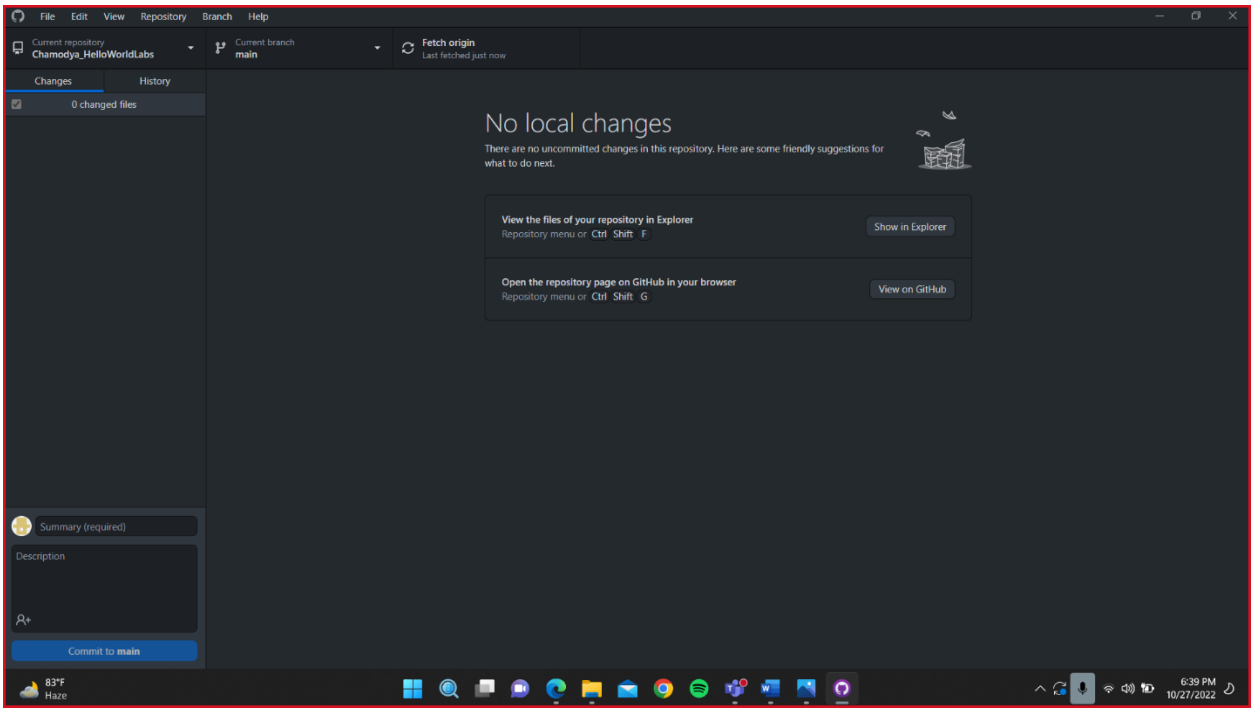

HelloWorld.asm created by nirm
https://github.com/nirmalchamodya/Chamodya_HelloWorldLabs/pull/1
Code
Issues
Pull requests 1
Actions
Projects
Wiki
Security
Insights
Settings
HelloWorld.asm created #1
Edit
Code
Open
nirmalchamodya wants to merge 1 commit into HelloWorld-Initial from main
Conversation 0
Commits 1
Checks 0
Files changed 1
+1 −0
nirmalchamodya commented now
Owner
No description provided.
Create HelloWorld.txt
Verified
0fa9ab2
Add more commits by pushing to the main branch on nirmalchamodya/Chamodya_HelloWorldLabs.
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.
Merge pull request
You can also open this in GitHub Desktop or view command line instructions.
Write
Preview
Reviewers
No reviews
Still in progress? Convert to draft
Assignees
No one—assign yourself
Labels
None yet
Projects
None yet
Milestone
No milestone
Development
Successfully merging this pull request may close these issues.
83°F
Haze
6:36 PM
10/27/2022

Step 6

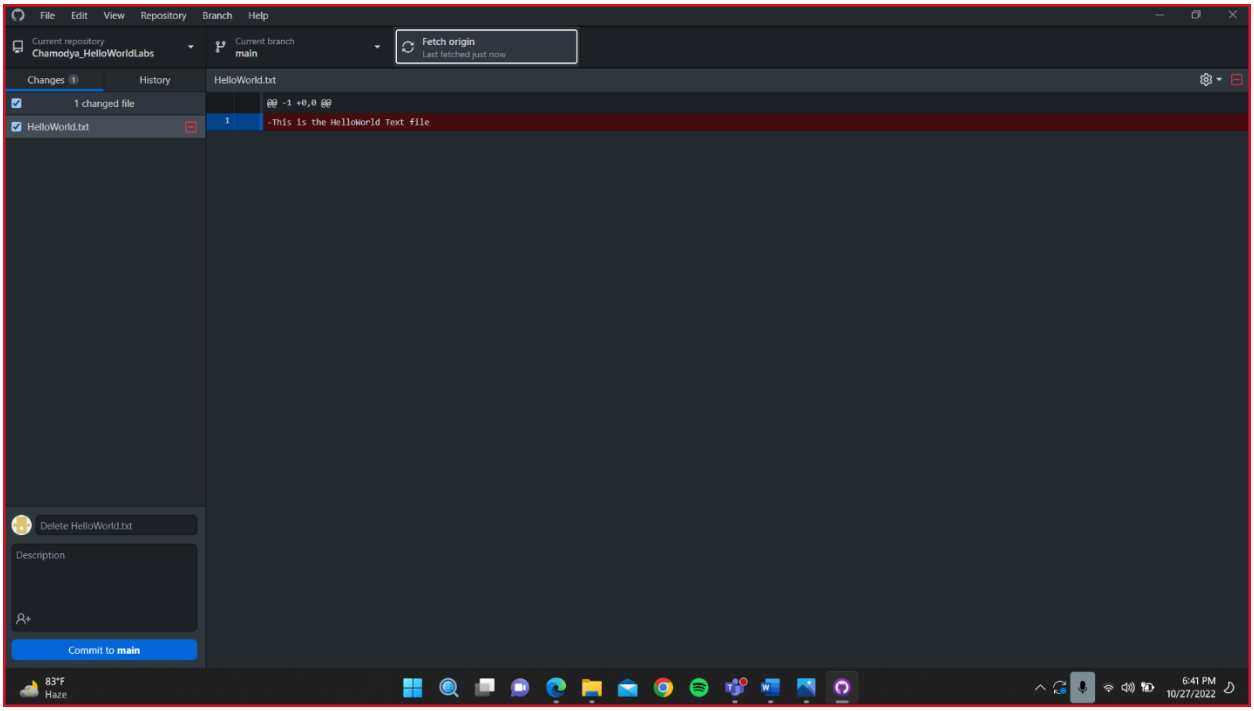

HelloWorld.asm created by nirm
https://github.com/nirmalchamodya/Chamodya_HelloWorldLabs/pull/1
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / Chamodya_HelloWorldLabs
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
HelloWorld.asm created #1
Edit
Code
Merged
nirmalchamodya merged 1 commit into HelloWorld-Initial from main now
Conversation 0
Commits 1
Checks 0
Files changed 1
+1 −0
nirmalchamodya commented 18 seconds ago
Owner
No description provided.
Create HelloWorld.txt
Verified
0fa9ab2
nirmalchamodya merged commit e8301d2 into HelloWorld-Initial now
Revert
Write
Preview
Leave a comment
Reviewers
No reviews
Assignees
No one—assign yourself
Labels
None yet
Projects
None yet
Milestone
No milestone
83°F
Haze
6:36 PM
10/27/2022

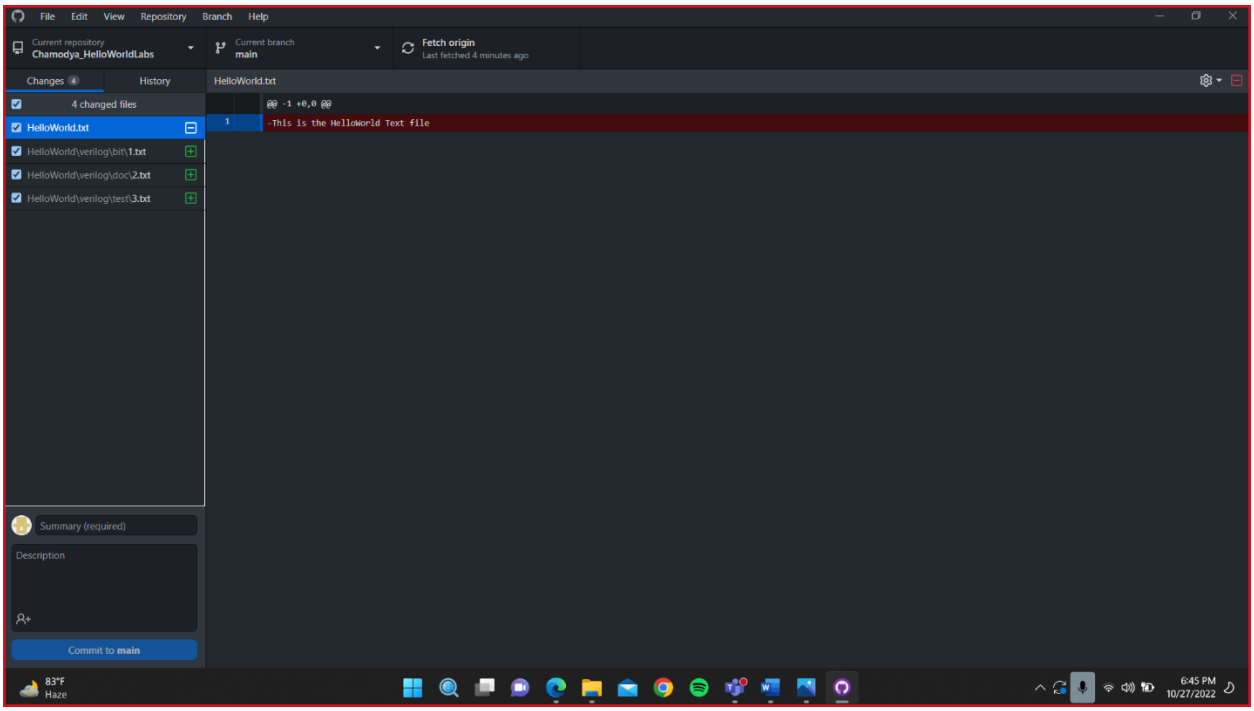
1.2 GitHub GUI

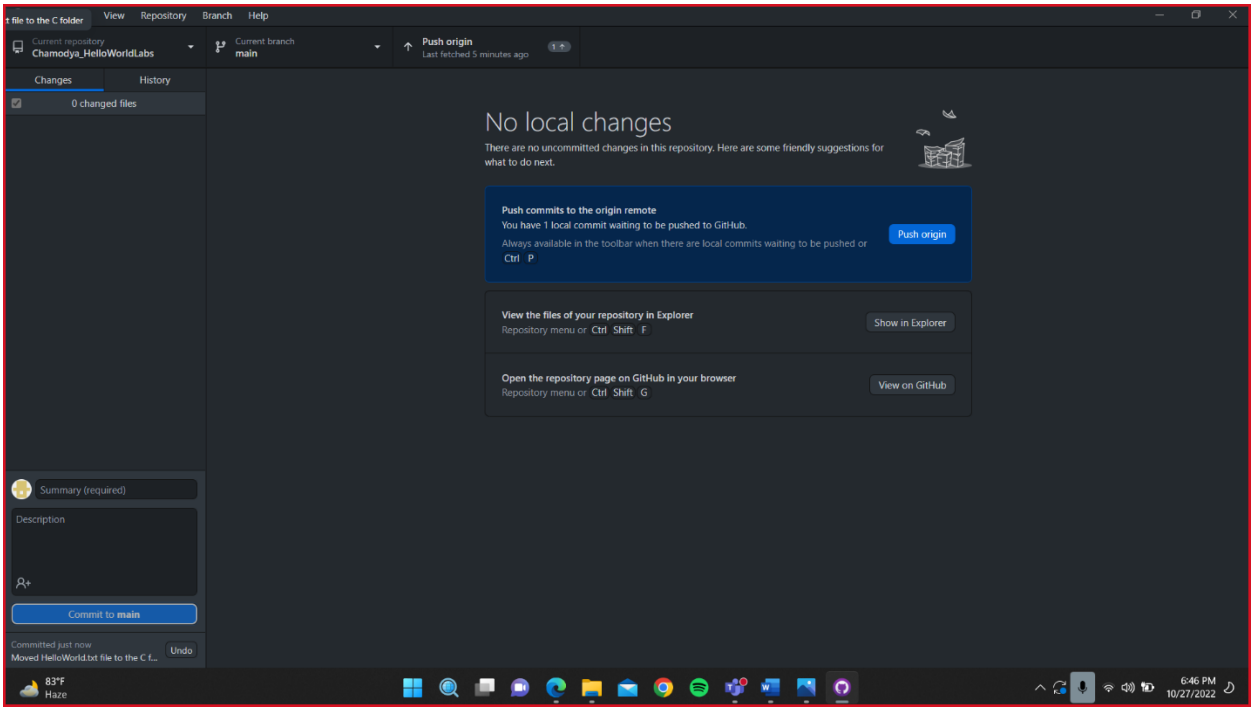
Step 1

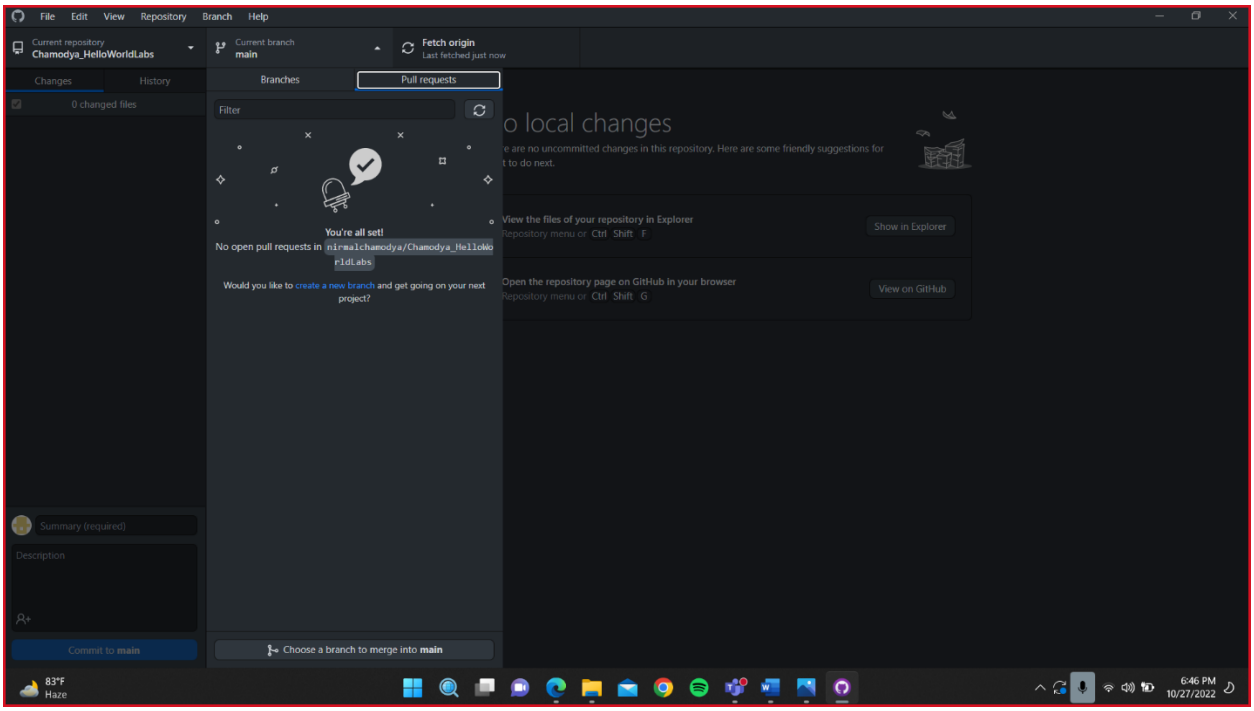


Step 2



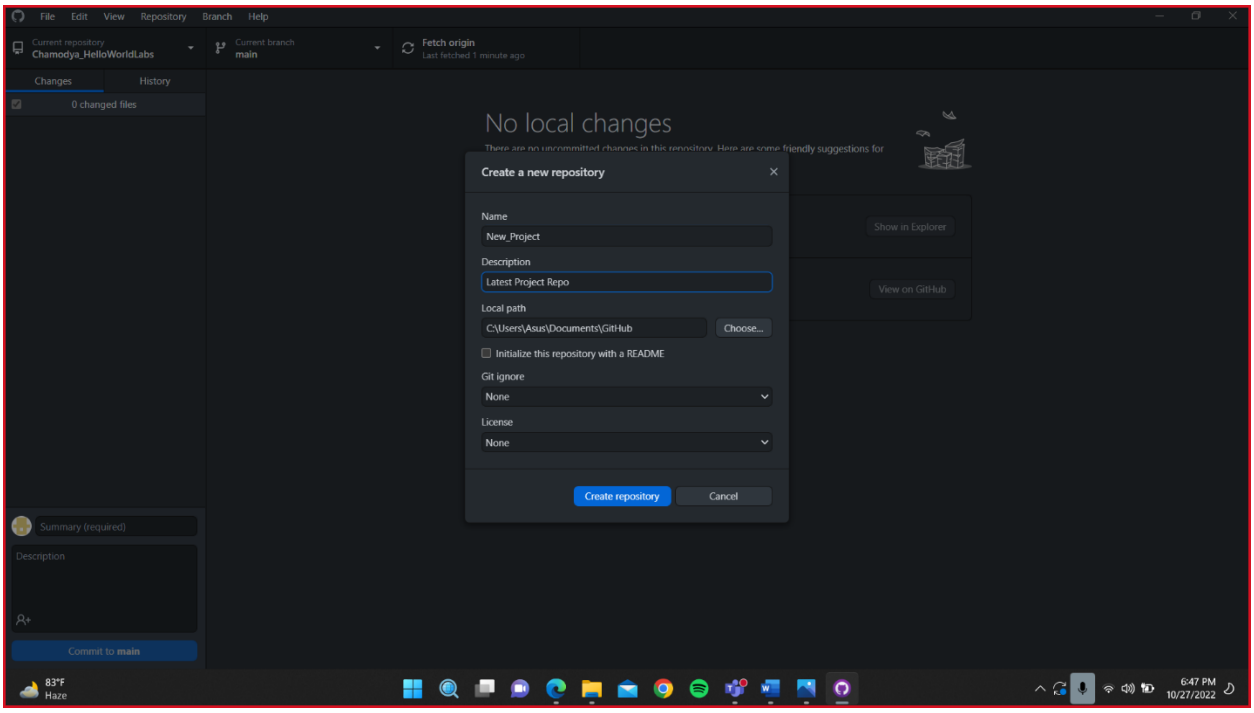

File Edit View Repository Branch Help
Current repository
Chamodya_HelloWorldLabs
Current branch
main
Fetch origin
Last fetched 4 minutes ago
Changes 4
History
4 changed files
HelloWorld.txt
HelloWorld\verilog\bin\1.txt
HelloWorld\verilog\doc\2.txt
HelloWorld\verilog\test\3.txt
@@ -1 +0,0 @@
-This is the HelloWorld Text file
Summary (required)
Description
Commit to main
83°F
Haze
6:45 PM
10/27/2022


View Repository Branch Help
Current repository
Chamodya_HelloWorldLabs
Current branch
main
Push origin
Last fetched 5 minutes ago
Changes
History
0 changed files
No local changes
There are no uncommitted changes in this repository. Here are some friendly suggestions for what to do next.
Push commits to the origin remote
You have 1 local commit waiting to be pushed to GitHub.
Always available in the toolbar when there are local commits waiting to be pushed or Ctrl P
Push origin
View the files of your repository in Explorer
Repository menu or Ctrl Shift F
Show in Explorer
Open the repository page on GitHub in your browser
Repository menu or Ctrl Shift G
View on GitHub
Summary (required)
Description
Commit to main
Committed just now
Undo
83°F
Haze
6:46 PM
10/27/2022

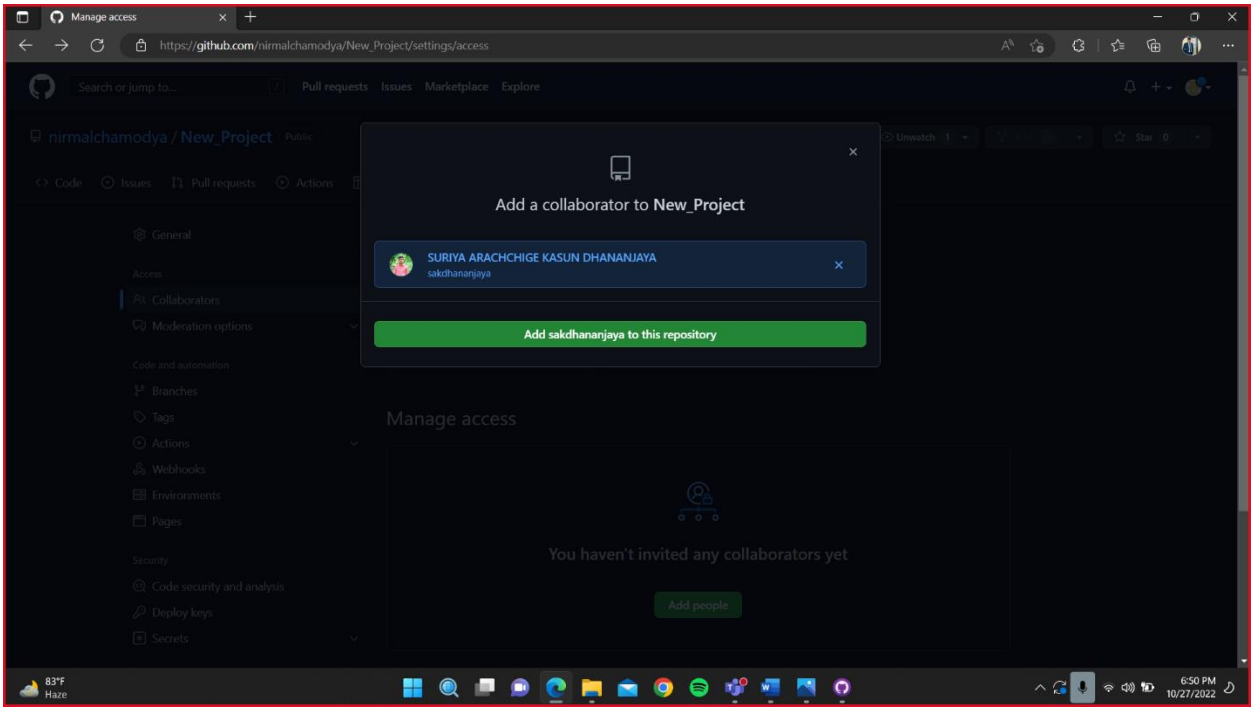

File Edit View Repository Branch Help
Current repository
Chamodya_HelloWorldLabs
Current branch
main
Fetch origin
Last fetched just now
Changes
History
Branches
Pull requests
0 changed files
Filter
You're all set!
No open pull requests in nir-malchamodya/Chamodya_HelloWorldLabs
Would you like to create a new branch and get going on your next project?
o local changes
e are no uncommitted changes in this repository. Here are some friendly suggestions for
t to do next.
View the files of your repository in Explorer
Repository menu or Ctrl Shift F
Show in Explorer
Open the repository page on GitHub in your browser
Repository menu or Ctrl Shift G
View on GitHub
Summary (required)
Description
Commit to main
Choose a branch to merge into main
83°F
Haze
6:46 PM
10/27/2022

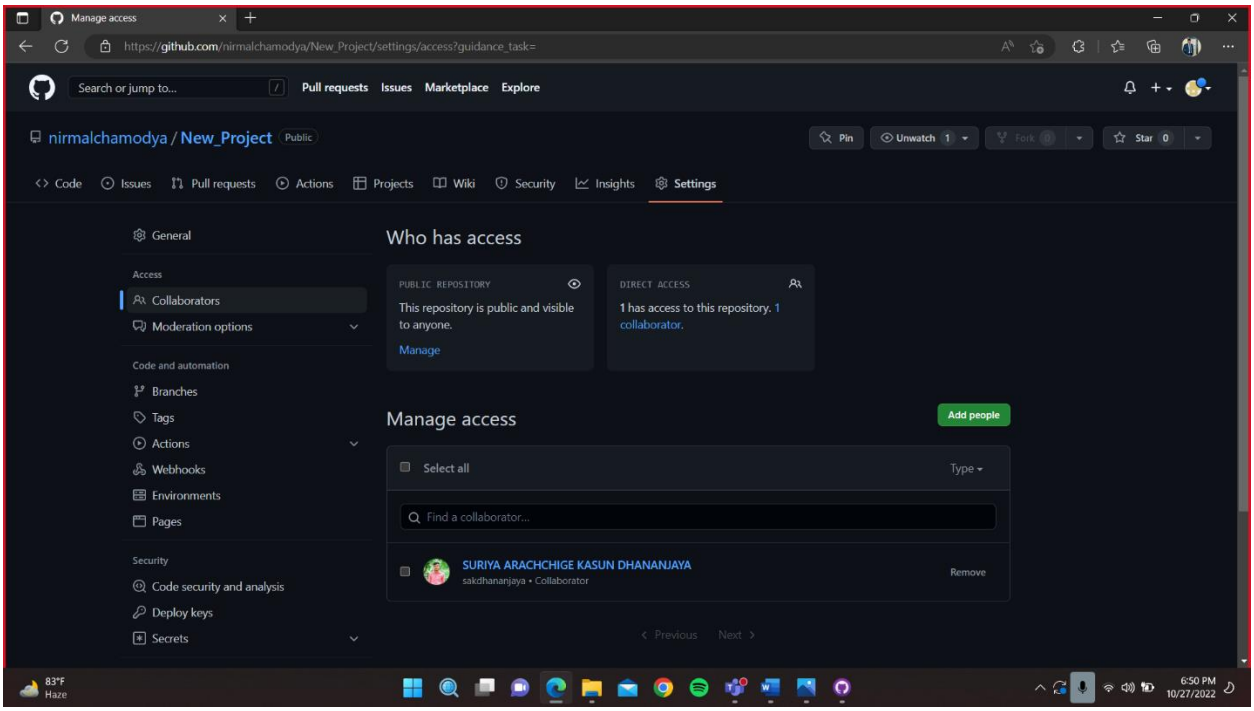
1.3 Collaboration

Step 1

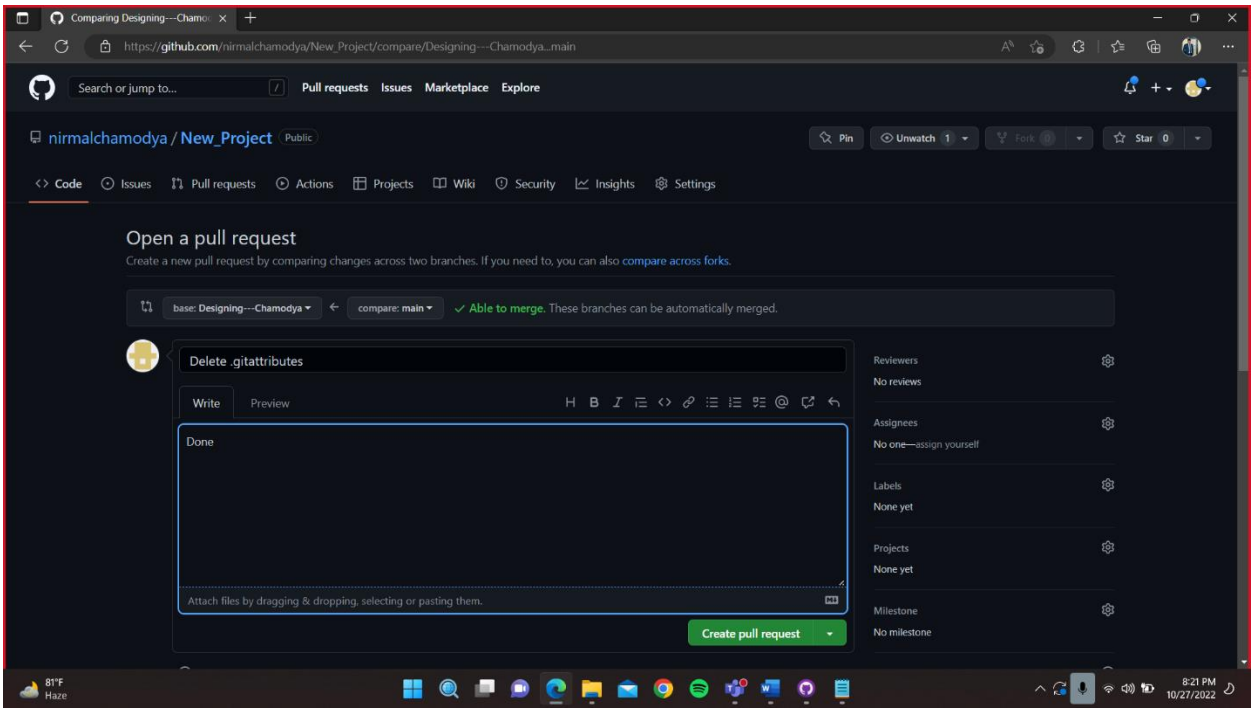


Step 2

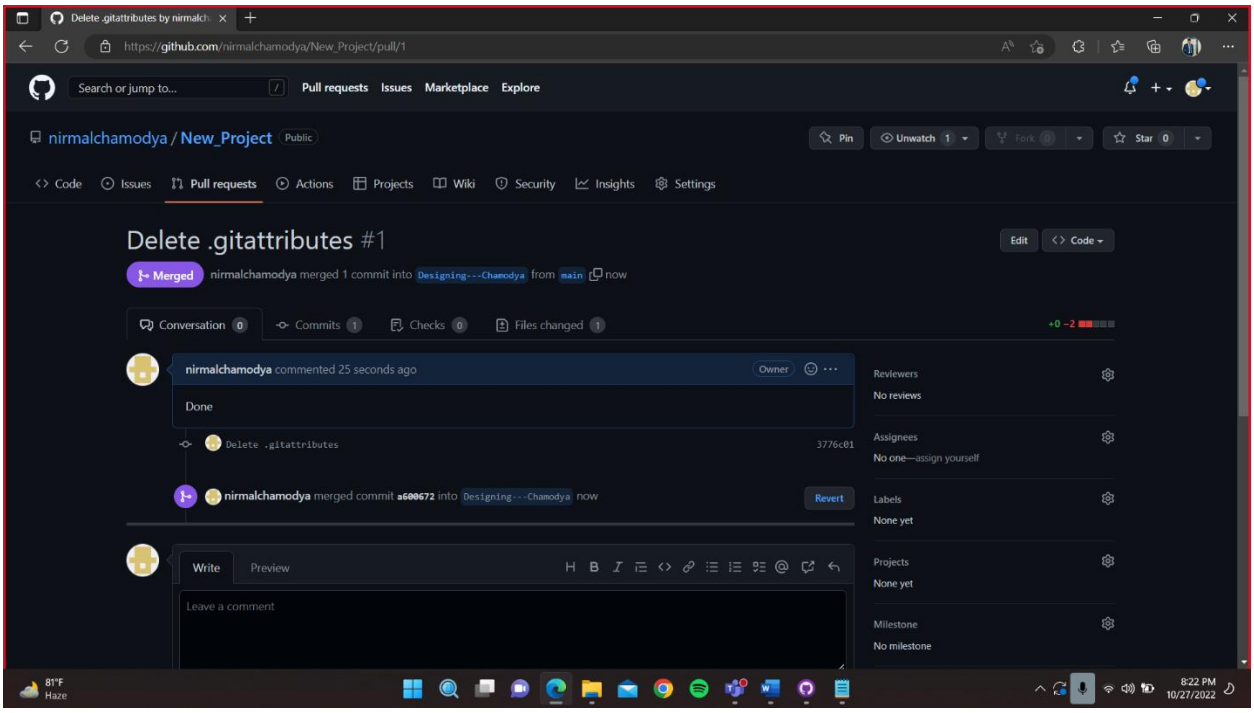



Manage access
https://github.com/nirmalchamodya/New_Project/settings/access?guidance_task=
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / New_Project
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
General
Access
Collaborators
Moderation options
Code and automation
Branches
Tags
Actions
Webhooks
Environments
Pages
Security
Code security and analysis
Deploy keys
Secrets
Who has access
PUBLIC REPOSITORY
This repository is public and visible to anyone.
Manage
DIRECT ACCESS
1 has access to this repository. 1 collaborator.
Manage access
Add people
Select all
Type
Find a collaborator...
SURIYA ARACHCHIGE KASUN DHANANJAYA
sakdhananjaya • Collaborator
Remove
Previous
Next
83°F
Haze
6:50 PM
10/27/2022

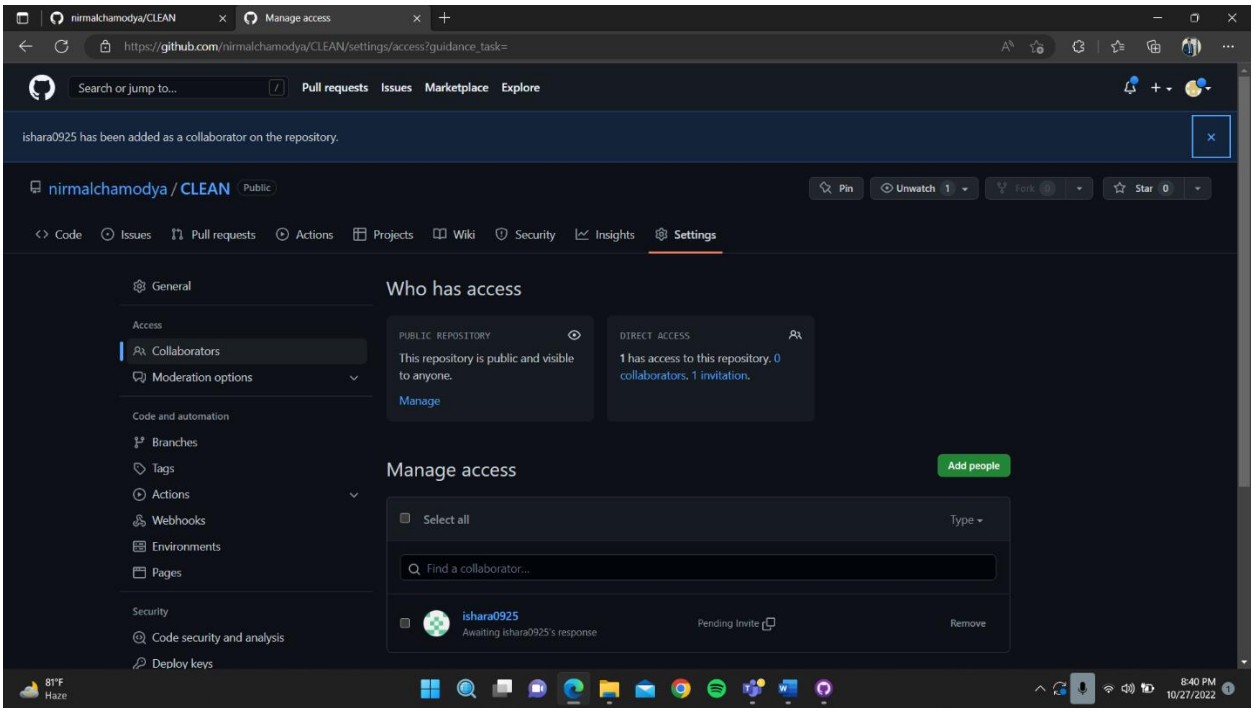
Step 3

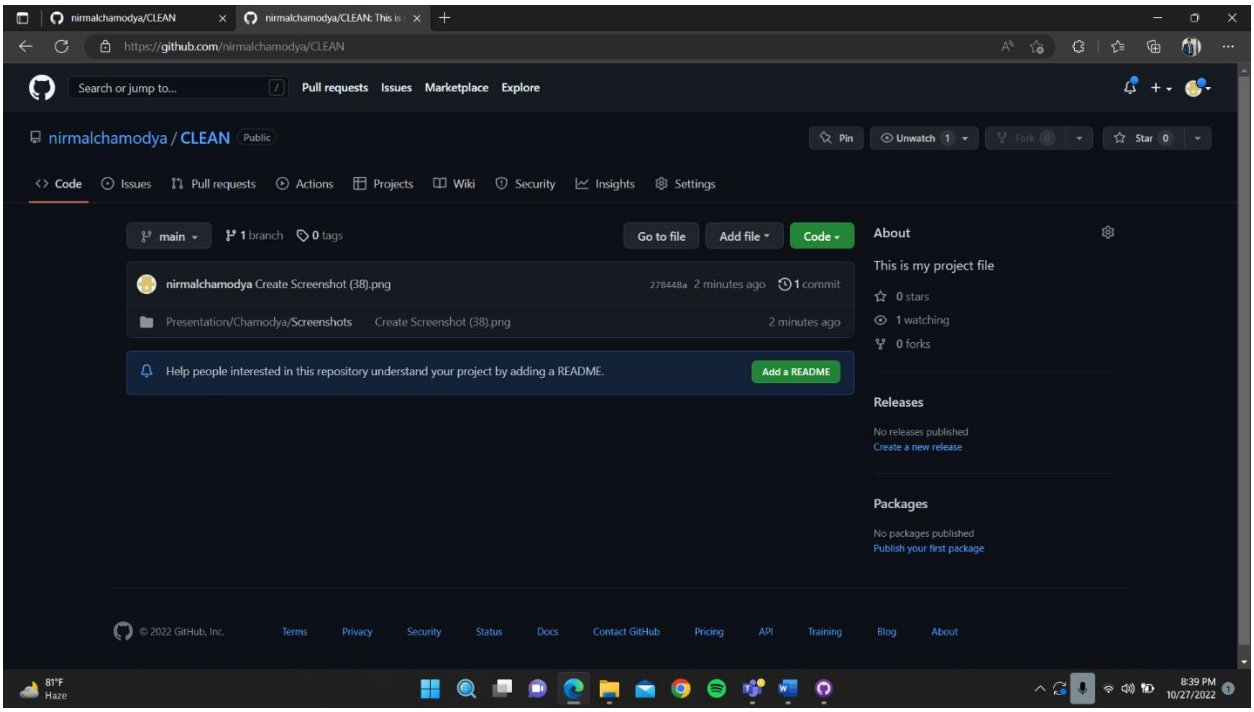

Comparing Designing---Chamo
https://github.com/nirmalchamodya/New_Project/compare/Designing---Chamodya...main
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / New_Project
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Open a pull request
Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks.
base: Designing---Chamodya
compare: main
Able to merge. These branches can be automatically merged.
Delete .gitattributes
Write
Preview
Done
Attach files by dragging & dropping, selecting or pasting them.
Create pull request
Reviewers
No reviews
Assignees
No one—assign yourself
Labels
None yet
Projects
None yet
Milestone
No milestone
81°F
Haze
8:21 PM
10/27/2022

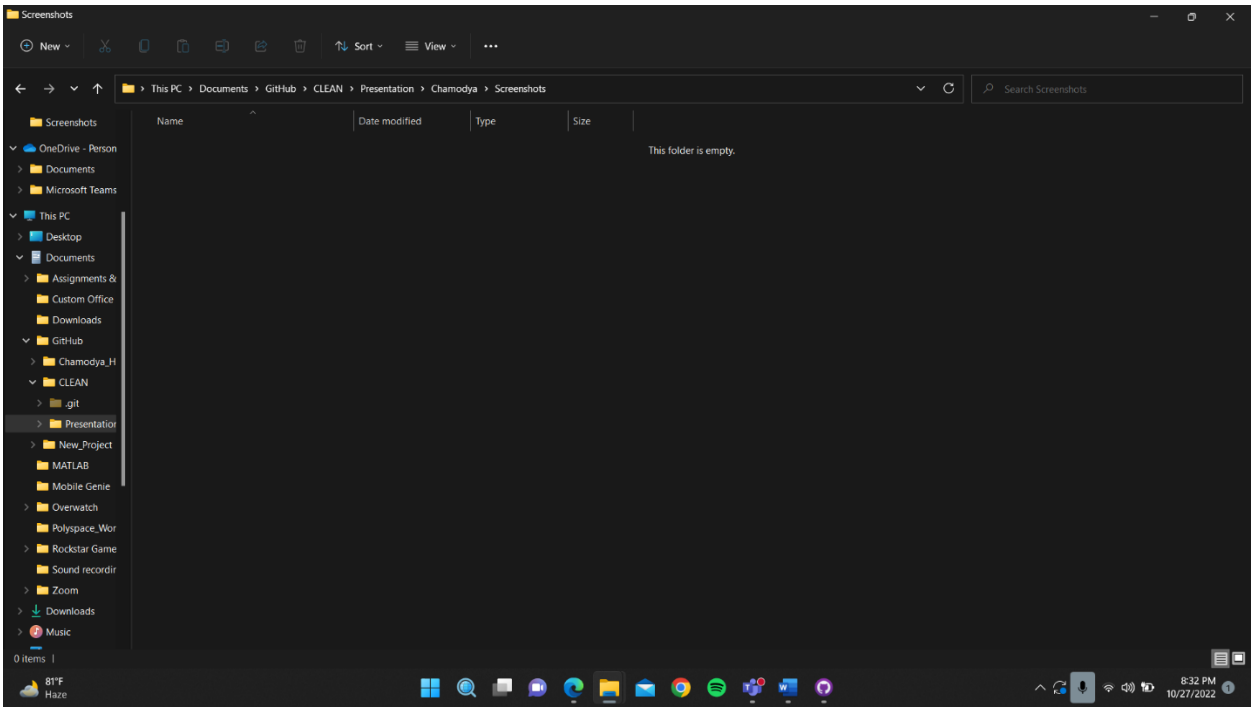
Step 4

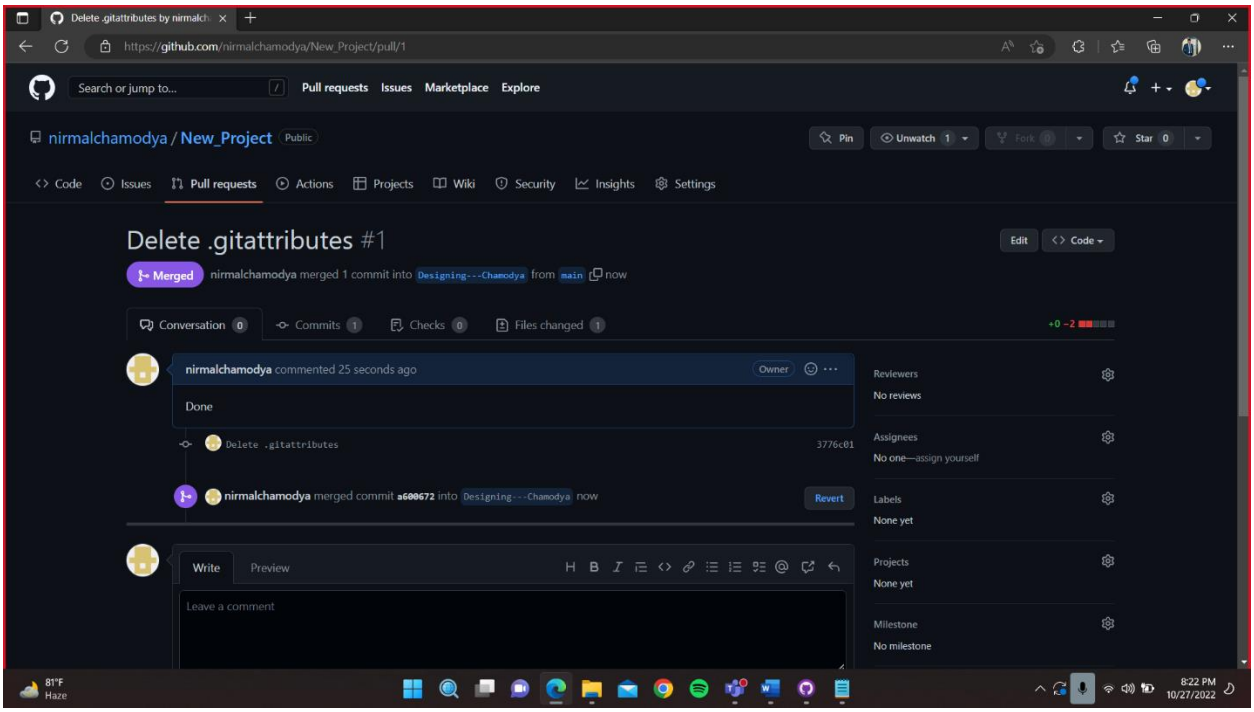

Delete .gitattributes by nirmalch
https://github.com/nirmalchamodya/New_Project/pull/1
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / New_Project
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Delete .gitattributes #1
Edit
Code
Merged
nirmalchamodya merged 1 commit into Designing---Chamodya from main now
Conversation 0
Commits 1
Checks 0
Files changed 1
+0 −2
nirmalchamodya commented 25 seconds ago
Owner
Done
Delete .gitattributes
3776c01
nirmalchamodya merged commit a600672 into Designing---Chamodya now
Revert
Write
Preview
Leave a comment
Reviewers
No reviews
Assignees
No one—assign yourself
Labels
None yet
Projects
None yet
Milestone
No milestone
81°F
Haze
8:22 PM
10/27/2022

1.4 Tasks


nirmalchamodya/CLEAN
Manage access
https://github.com/nirmalchamodya/CLEAN/settings/access?guidance_task=
Search or jump to...
Pull requests
Issues
Marketplace
Explore
ishara0925 has been added as a collaborator on the repository.
nirmalchamodya / CLEAN
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
General
Access
Collaborators
Moderation options
Code and automation
Branches
Tags
Actions
Webhooks
Environments
Pages
Security
Code security and analysis
Deploy keys
Who has access
PUBLIC REPOSITORY
This repository is public and visible to anyone.
Manage
DIRECT ACCESS
1 has access to this repository. 0 collaborators. 1 invitation.
Manage access
Add people
Select all
Type
Find a collaborator...
ishara0925
Awaiting ishara0925's response
Pending Invite
Remove
81°F
Haze
8:40 PM
10/27/2022


nirmalchamodya/CLEAN
nirmalchamodya/CLEAN: This is
https://github.com/nirmalchamodya/CLEAN
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nirmalchamodya / CLEAN
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
main
1 branch
0 tags
Go to file
Add file
Code
nirmalchamodya Create Screenshot (38).png
278448a 2 minutes ago
1 commit
Presentation/Chamodya/Screenshots
Create Screenshot (38).png
2 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
This is my project file
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
© 2022 GitHub, Inc.
Terms
Privacy
Security
Status
Docs
Contact GitHub
Pricing
API
Training
Blog
About
81°F
Haze
8:39 PM
10/27/2022





Invitation Link -
https://github.com/nirmalchamodya/CLEAN/invitations