# DEVELOPER GUID

## Development best practices

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**Revision History**

| # | Version | Modified By | Modification Date | Description |
|---|---|---|---|---|
| 1 | V0.1 | Sarbajeet Singh | 08 Feb 23 | Initial Draft creation and modification |

# Contents

# Local Setup

## Git Tools

### GitHub Desktop Client

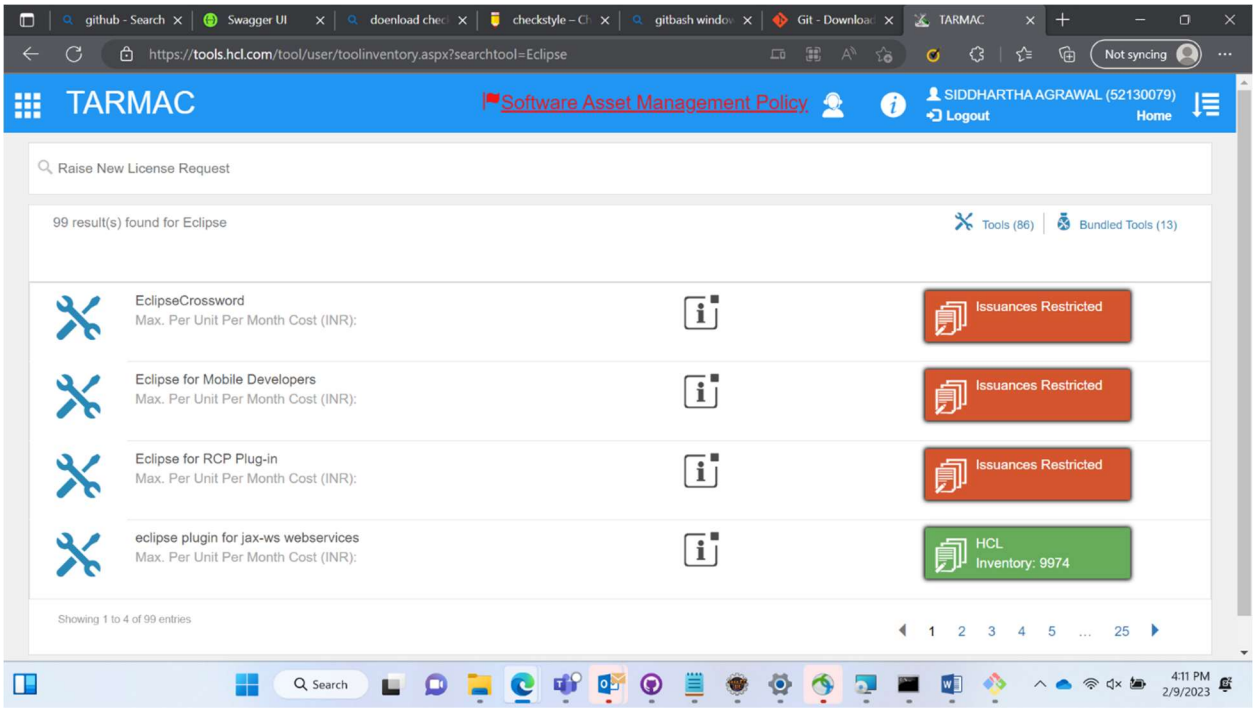
Install GitHub Client on local laptop from below URL (https://desktop.github.com/ )

### GitBash

Install GitBash Client to work on Command Prompt. (Git - Downloading Package (git-scm.com))

## IDE Setup

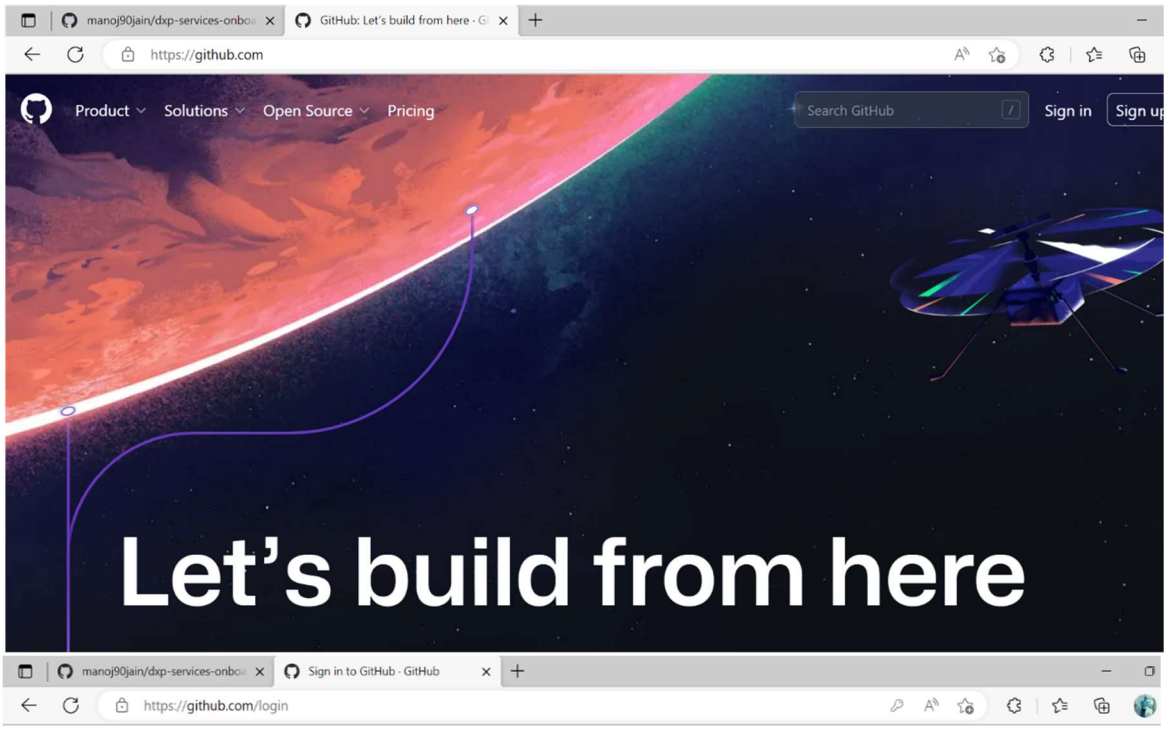
Download Eclipse IDE or Intelije Idea or Visual studio code from TARMAC (TARMAC (hcl.com))

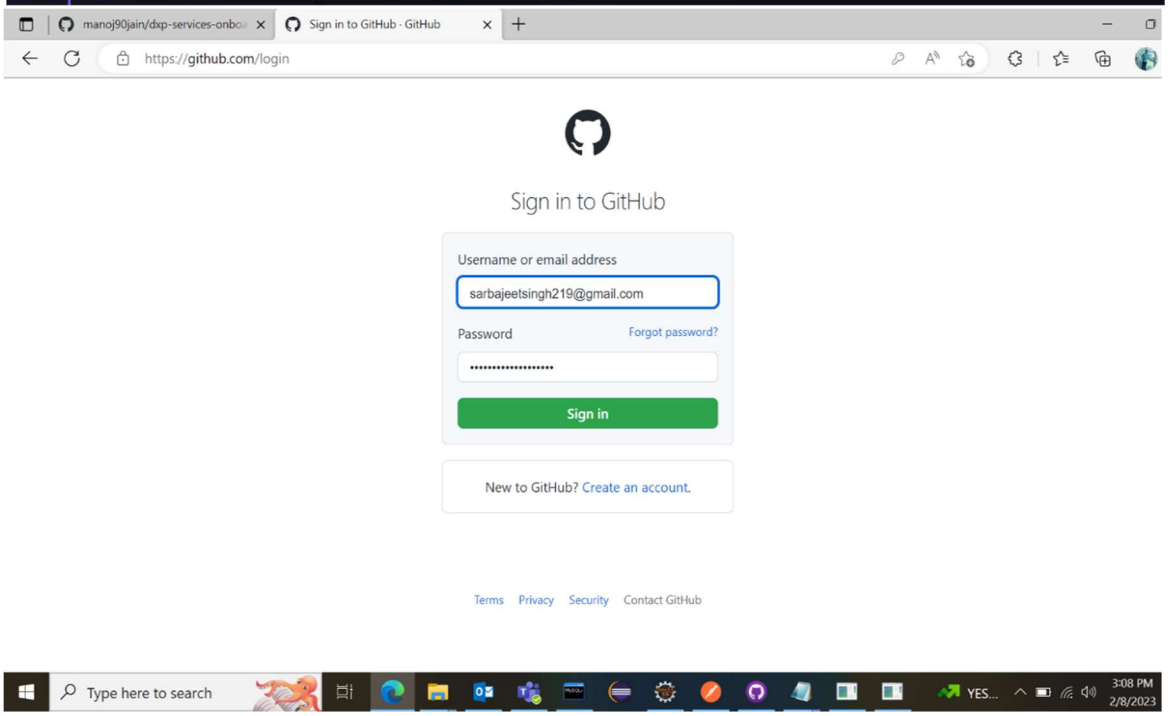


# GitHub

## Account Creation

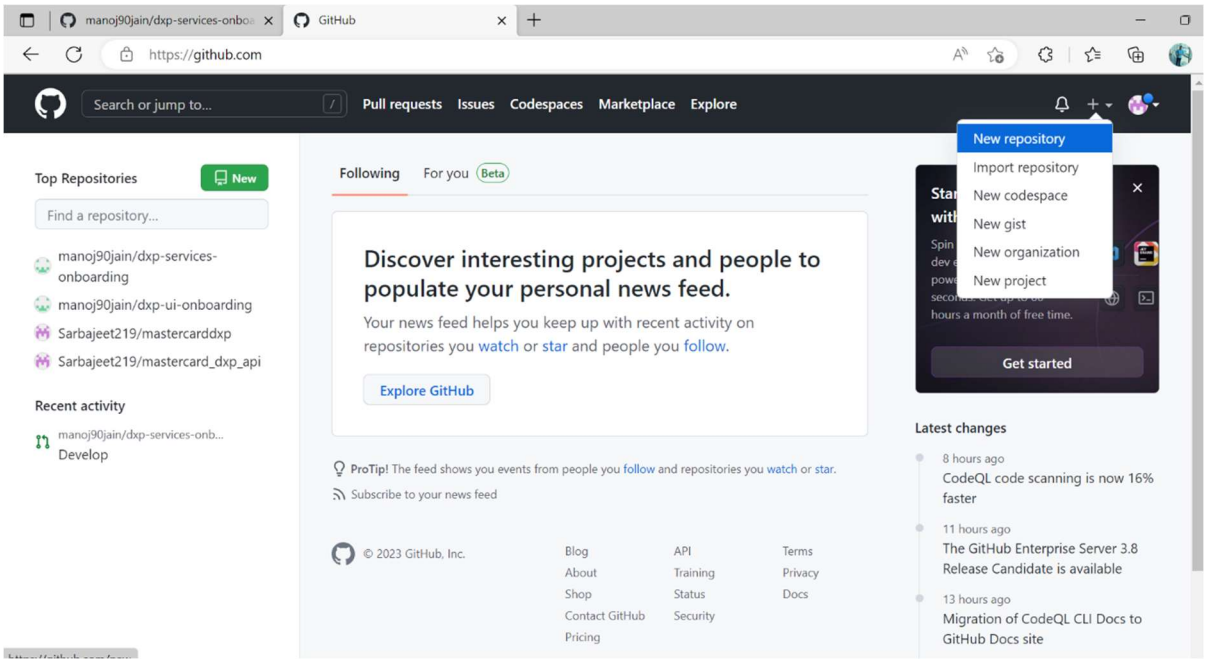
Go to https://github.com  and sign up for a new account using your email address and a strong password.

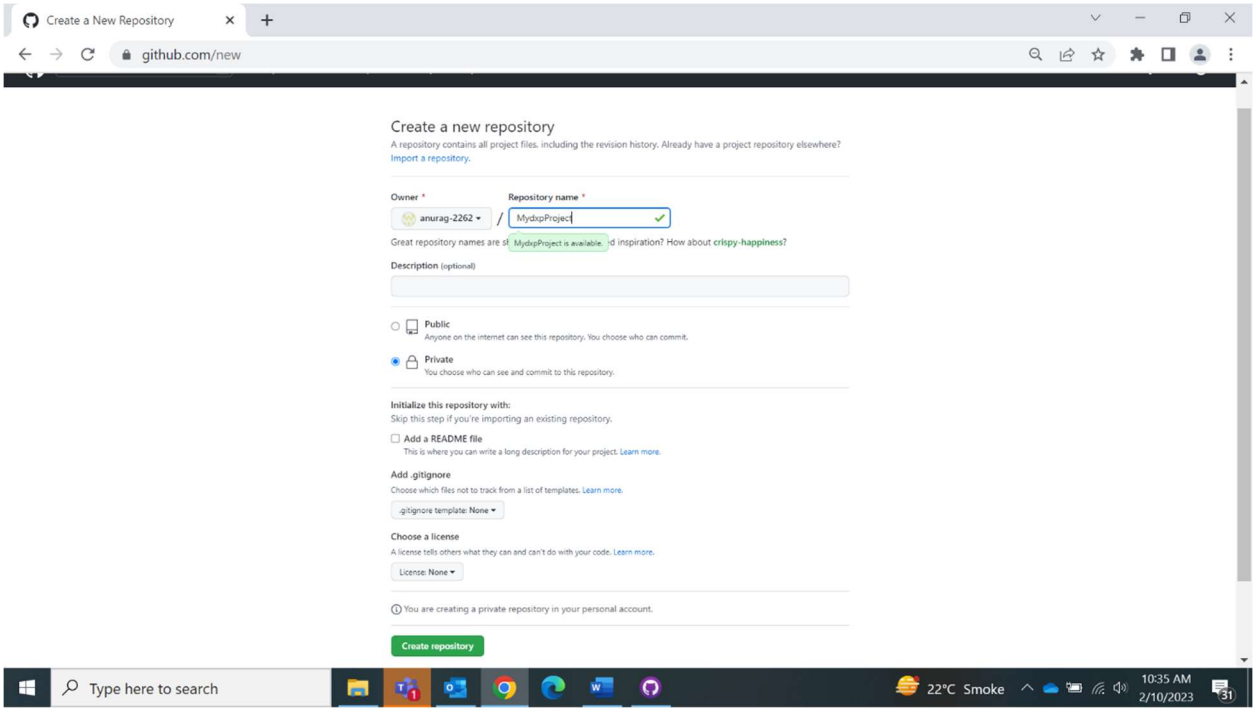


## Repository Creation

A repository is a place to store and organize your code projects. To create a repository, click on the "+" sign in the top right corner and select "New repository." Enter a name for your repository, choose if it should be public or private, and initialize it with a README file if you like.



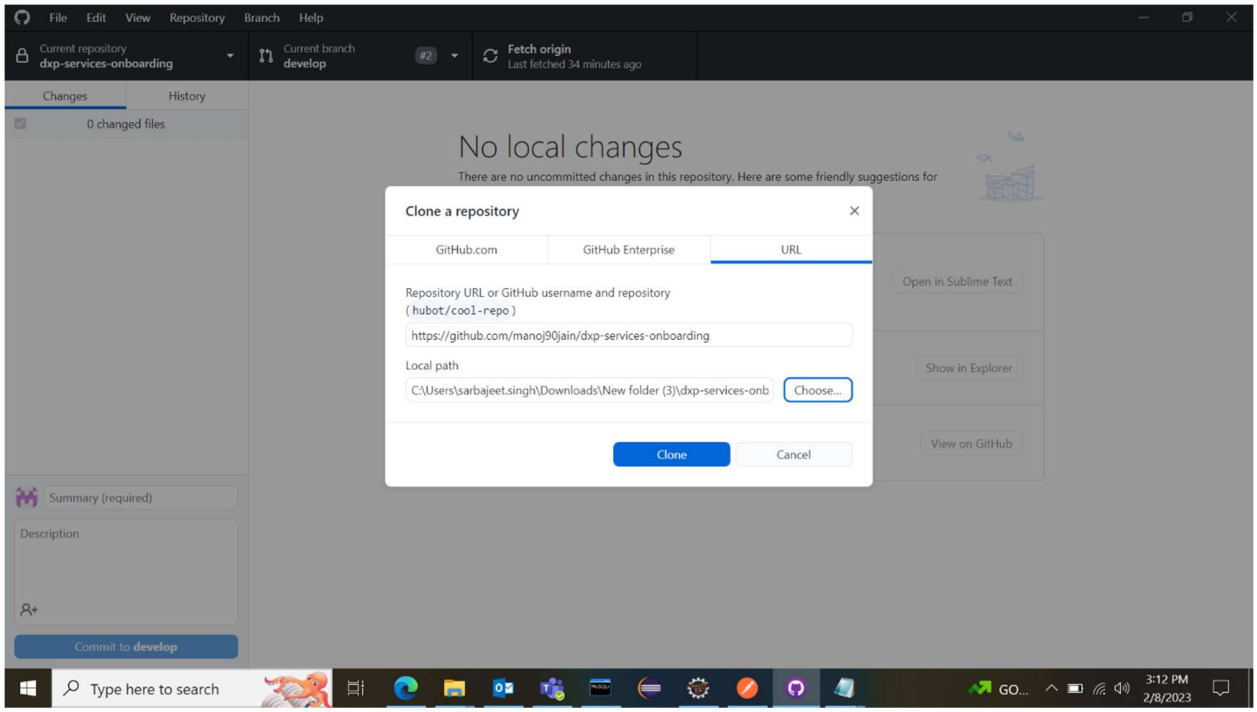



Always select/create private repository for HCL specific development/PoC

## Clone Repository

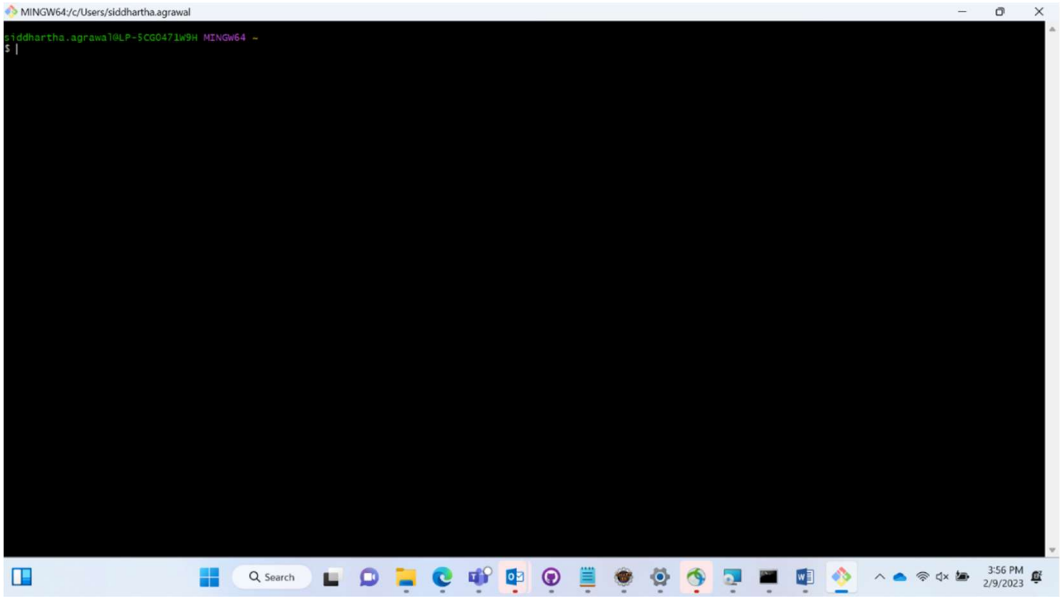
### Using GitHub Desktop Client

We need to clone the repository to our computer to work on it. To clone any repository, go to the repository on GitHub and click on the "Clone or download" button. Copy the URL of the repository. In GitHub client we must first fork the repository in GitHub website then it will show in current repository option of GitHub client. Right click on repository in current repository go to clone repository, select folder, and clone the repository.

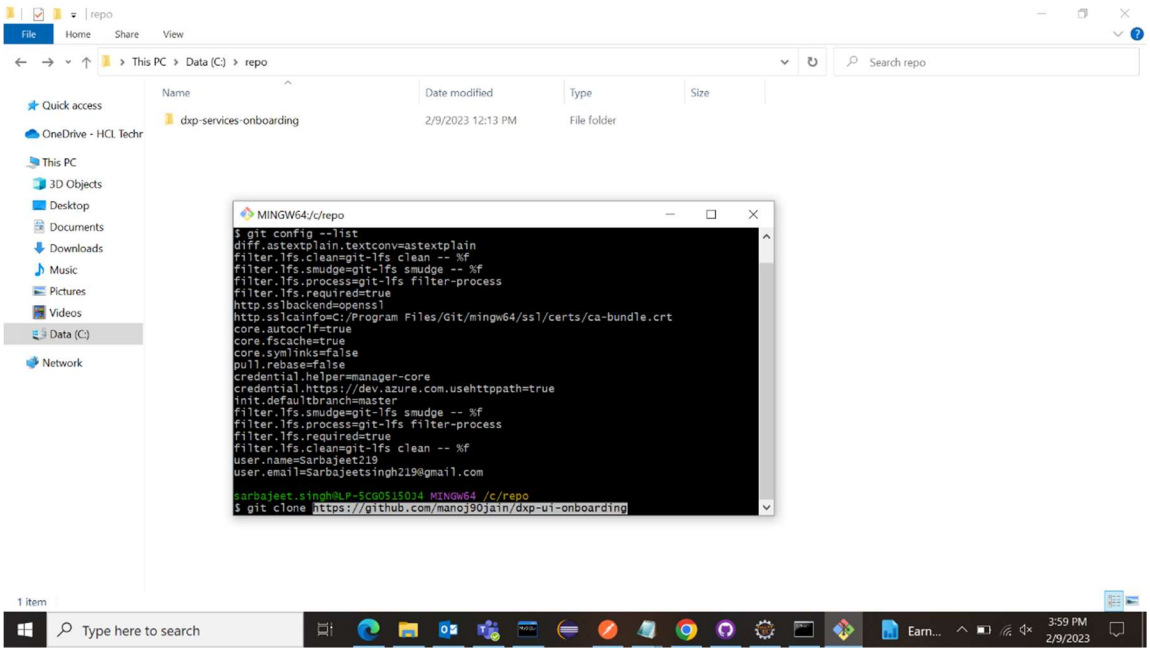


## Using Git Bash

Open Gitbash installed into local machine.



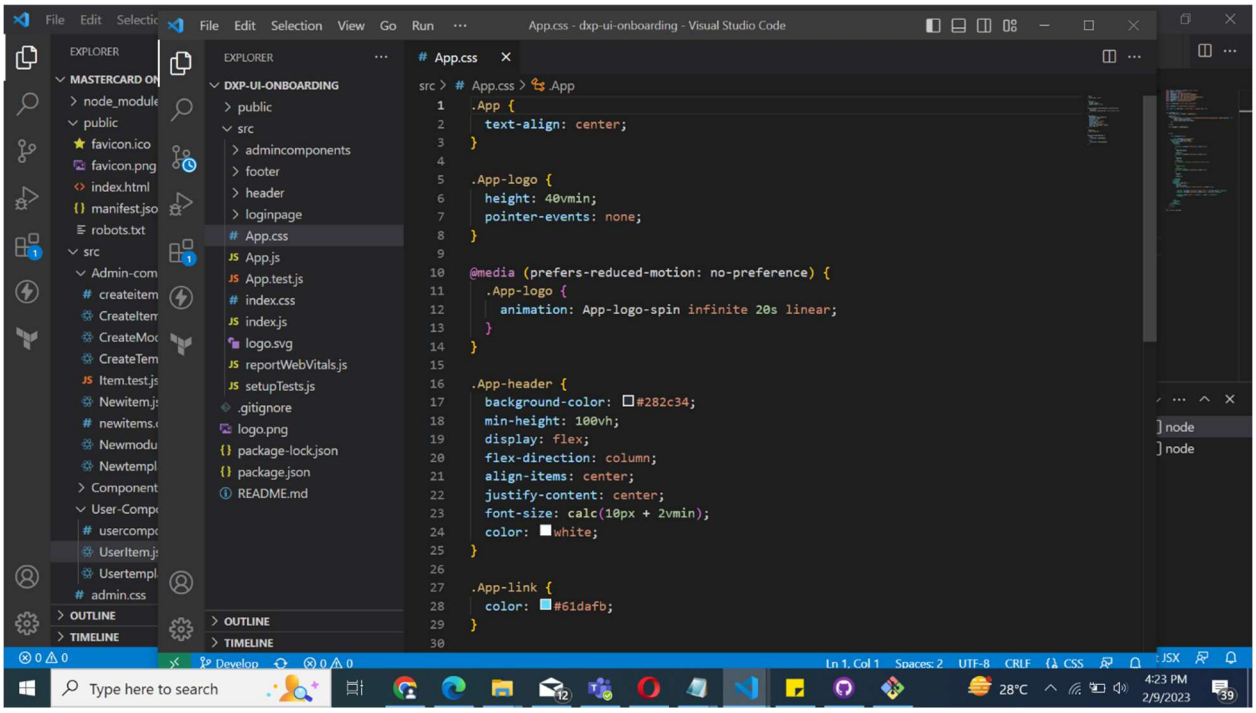

Open a terminal or command prompt and navigate to the directory where you want to clone the repository. Use the following command to clone the repository:



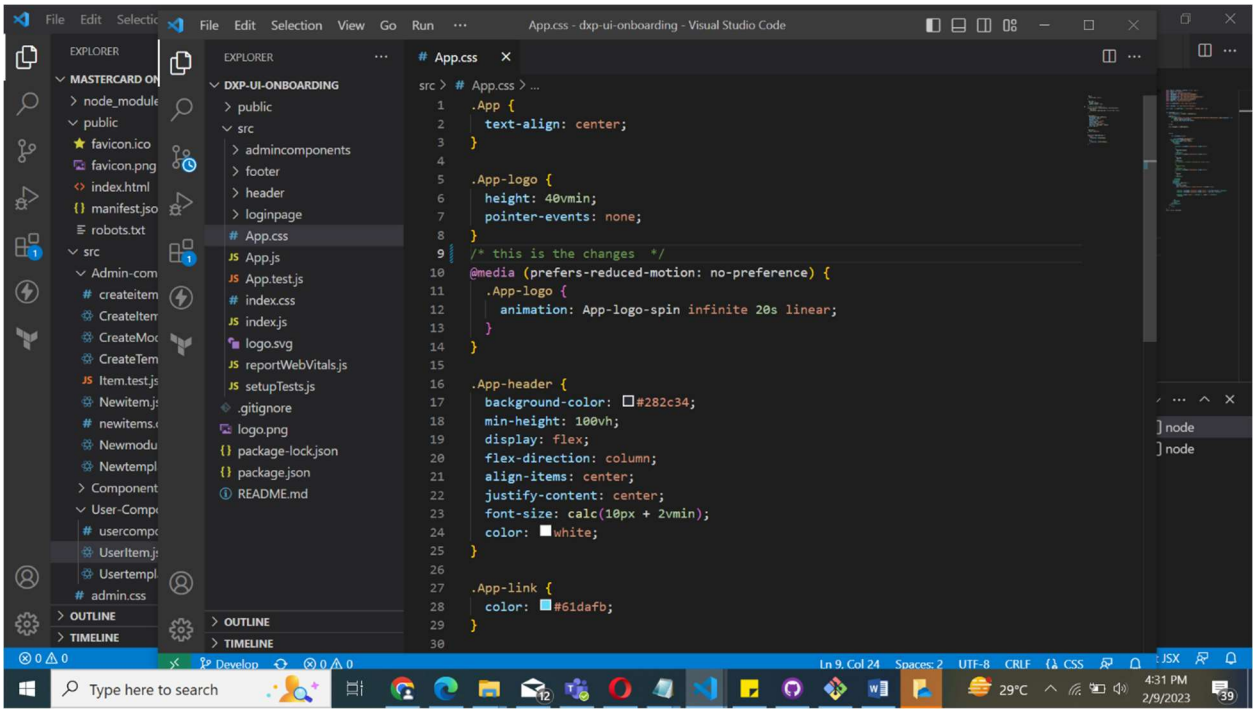
# Local Changes

## Import Code

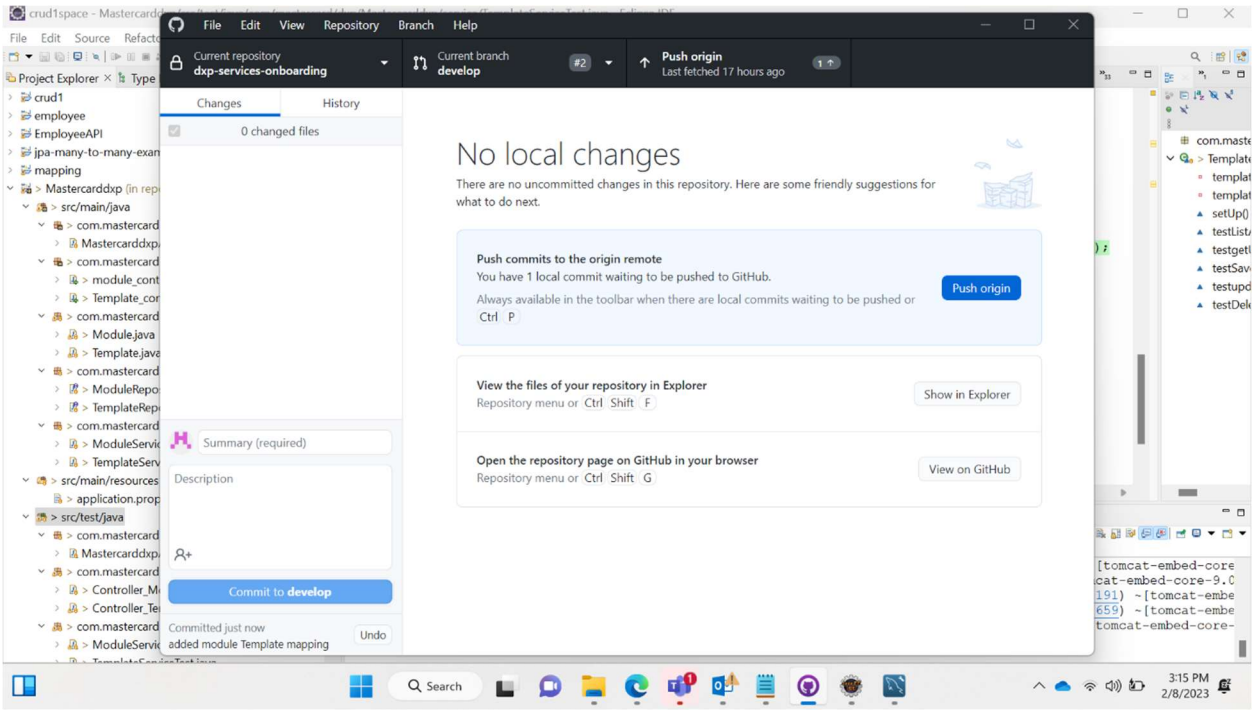
After successful clone import the code to IDE




Make the changes in code :

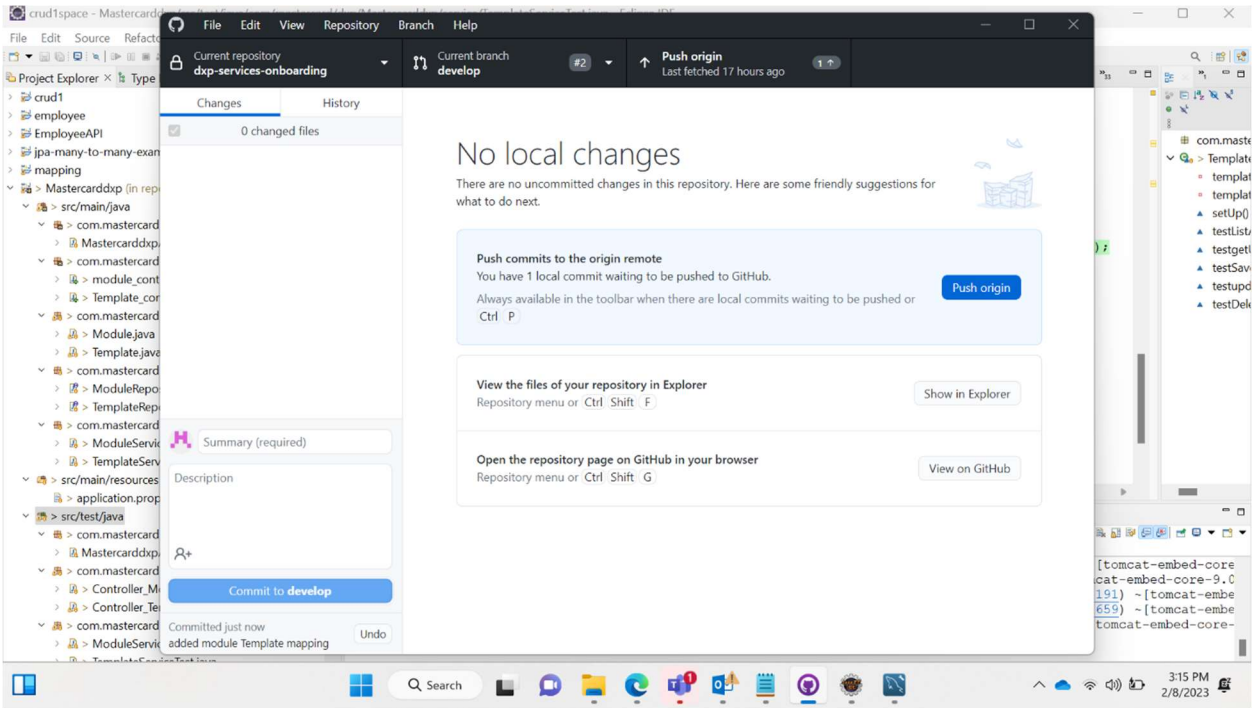


## Changes to Remote Repository Using GitHub Desktop Client



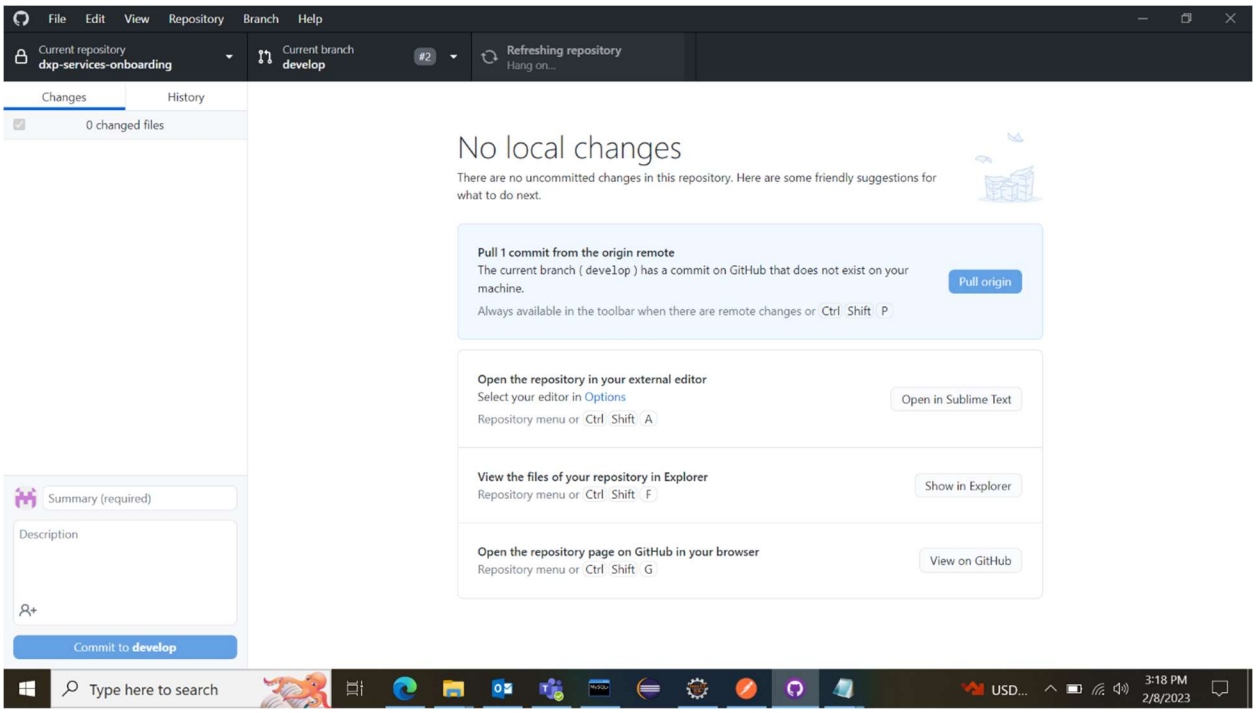

## Push changes

Push the changes to the remote repository in GitHub Client. After committing we can see push origin option in GitHub client.



### Pull changes

In GitHub client we can see the pull origin option.

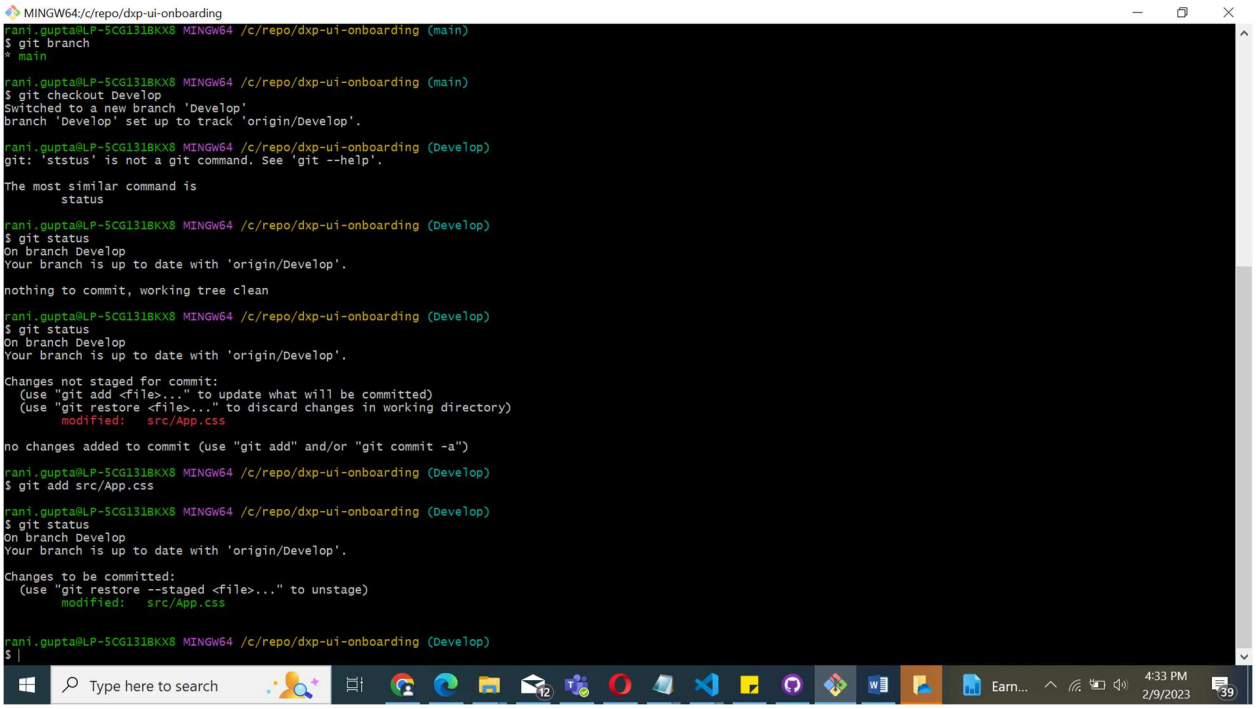



## Changes to Remote Repository Using Git Bash (Command line)

### Add changes

Once you have made changes to the code, you need to stage the changes for commit. Use the following command to stage the changes:

```
$ git add
```

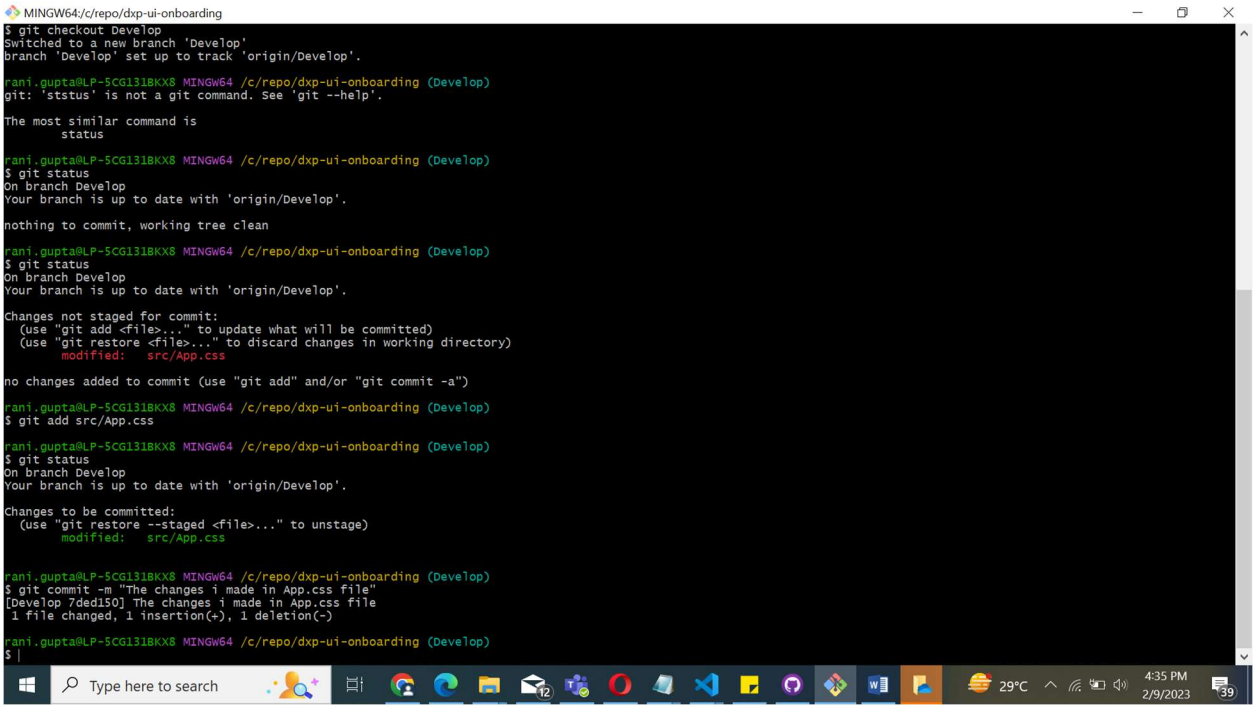



## Commit changes

Commit the changes to the repository using the following command:

$ git commit -m "Your commit message"

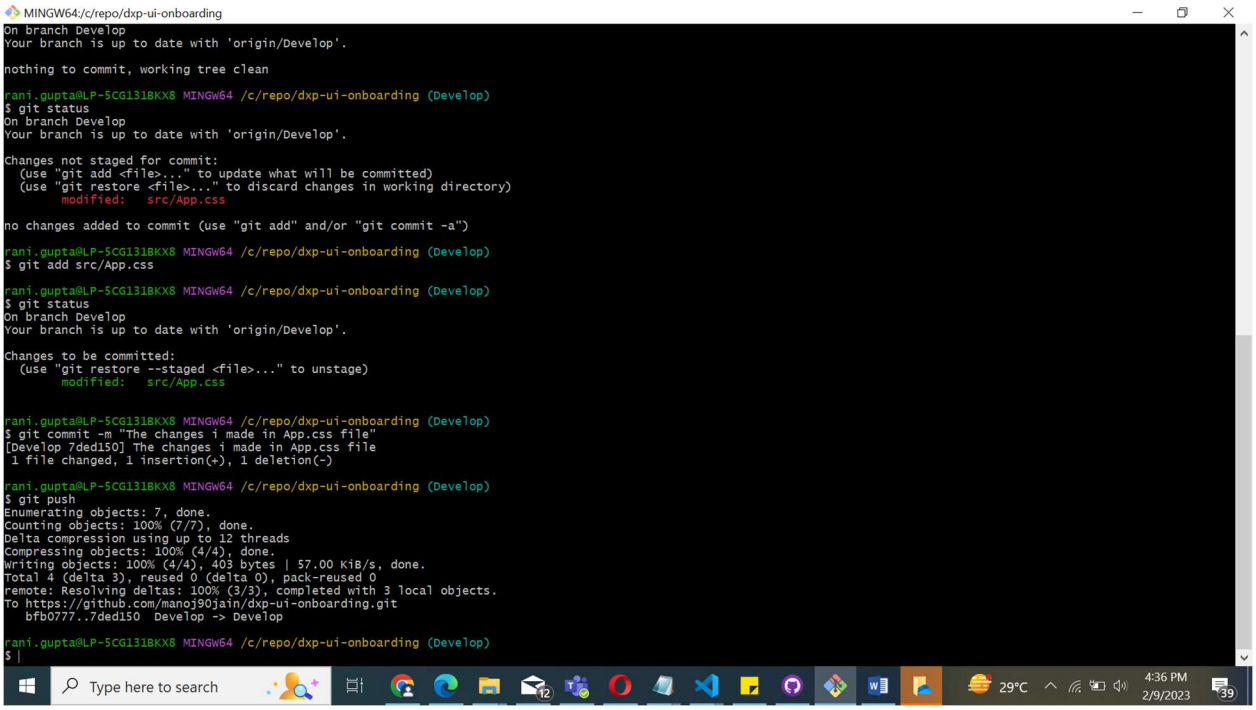
Never commit to the master/Main branch. Commit your changes to developer or another branch. In GitHub client open your repository where at left hand side we can see all the changes we have made in code. Write description and enter on commit button below.




## Push changes

Push the changes to the remote repository using the following

$ git push

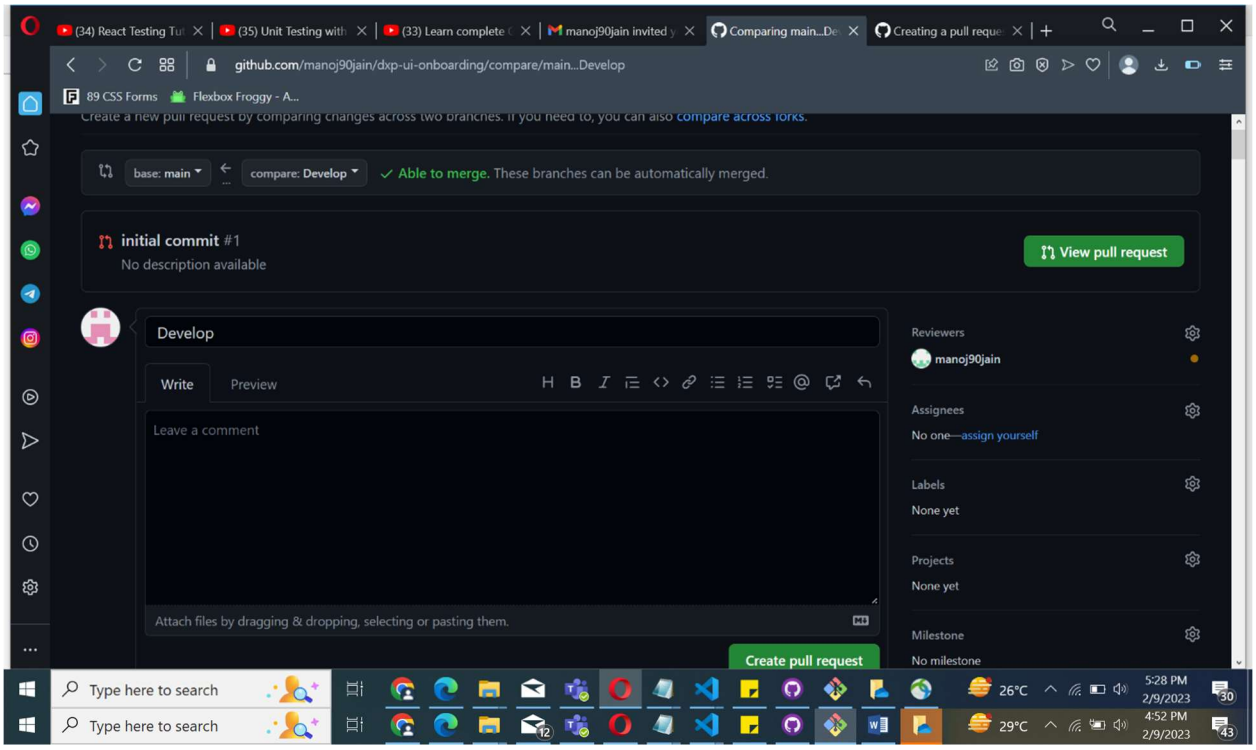


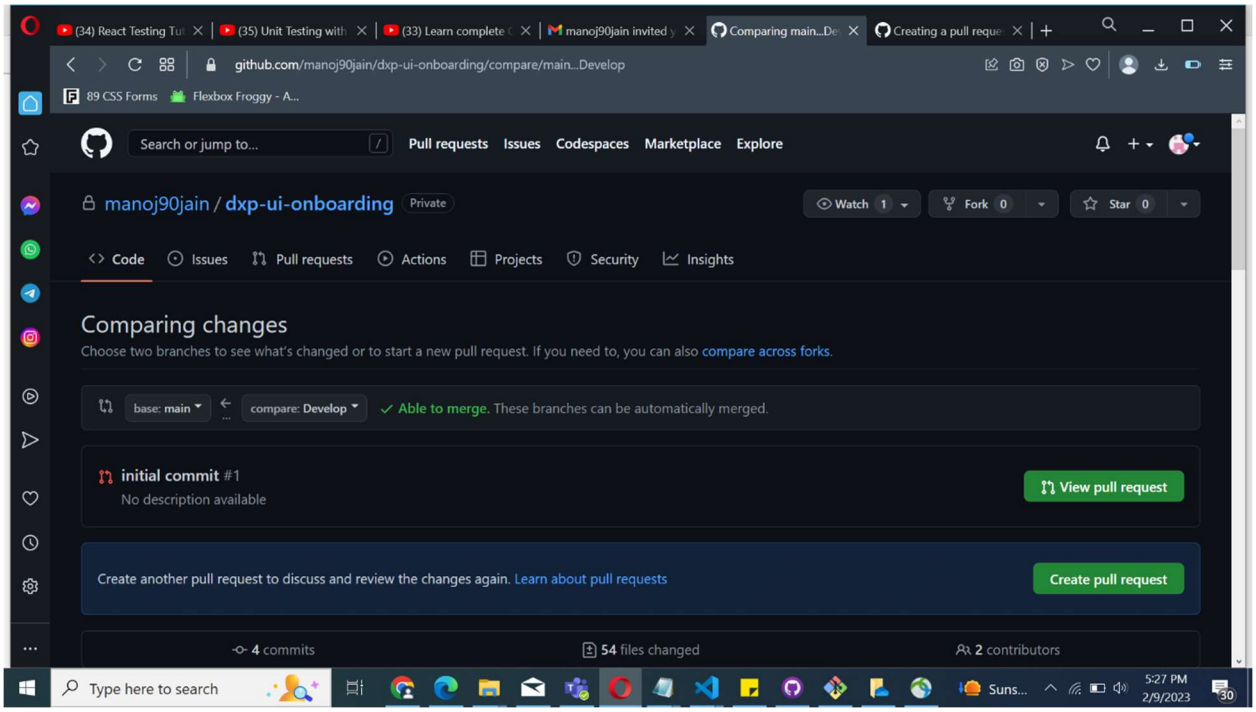
### Pull changes

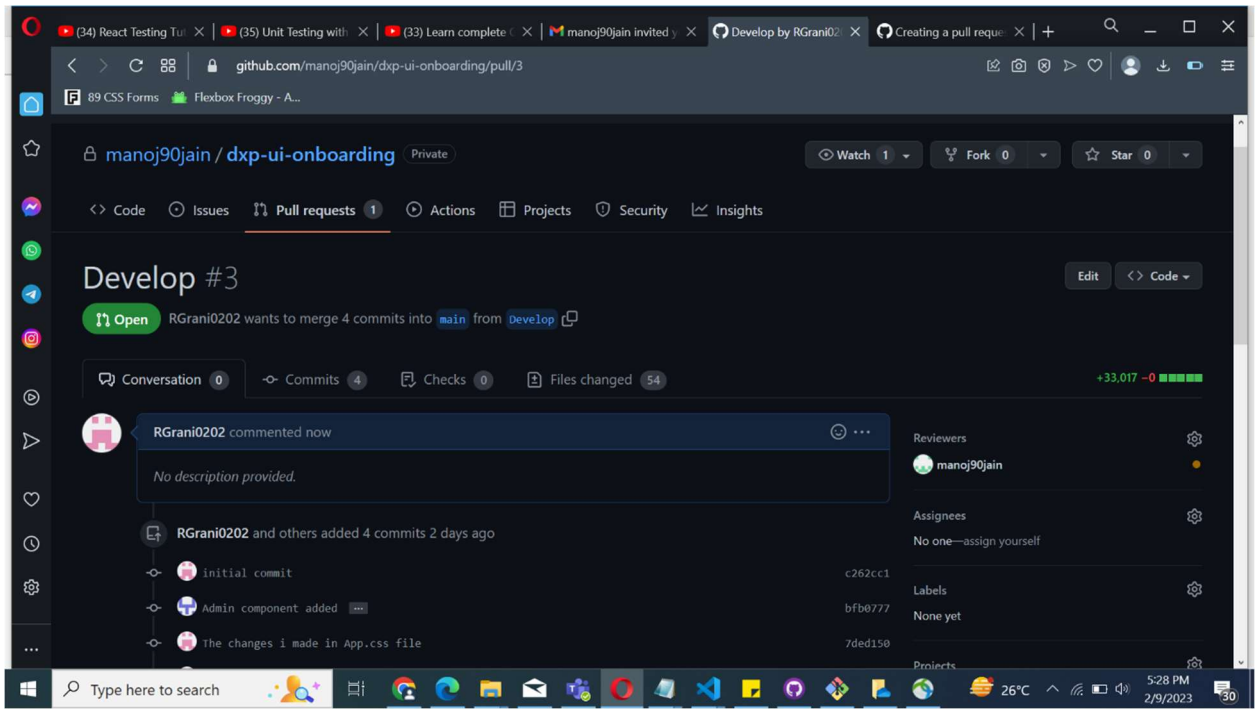
If someone else has made changes to the repository, you can pull the changes to your local repository using the following

$ git pull

## PR Review




github.com/manoj90jain/dxp-ui-onboarding/compare/main...Develop
Search or jump to...
Pull requests
Issues
Codespaces
Marketplace
Explore
manoj90jain / dxp-ui-onboarding
Private
Watch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Security
Insights
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: Develop
Able to merge. These branches can be automatically merged.
initial commit #1
No description available
View pull request
Create another pull request to discuss and review the changes again. Learn about pull requests
Create pull request
4 commits
54 files changed
2 contributors
Type here to search
5:27 PM
2/9/2023


github.com/manoj90jain/dxp-ui-onboarding/pull/3
manoj90jain / dxp-ui-onboarding
Private
Watch 1
Fork 0
Star 0
Code
Issues
Pull requests 1
Actions
Projects
Security
Insights
Develop #3
Edit
Code
Open
RGrani0202 wants to merge 4 commits into main from Develop
Conversation 0
Commits 4
Checks 0
Files changed 54
+33,017 −0
RGrani0202 commented now
No description provided.
RGrani0202 and others added 4 commits 2 days ago
initial commit
c262cc1
Admin component added
bfb0777
The changes i made in App.css file
7ded150
Reviewers
manoj90jain
Assignees
No one—assign yourself
Labels
None yet
Projects
Type here to search
26°C
5:28 PM
2/9/2023

## Code Merge

Merge branches: When you are done working on a branch, you can merge it with the master branch using the following command:

git checkout master git merge branch-name

Resolve conflicts: If there are conflicts between the branches, you will need to resolve them before you can merge the branches. Use a text editor to open the conflicted files and resolve the conflicts by choosing which changes you want to keep. Push changes: Once the conflicts have been resolved, push the changes to the remote repository using the following command: git push