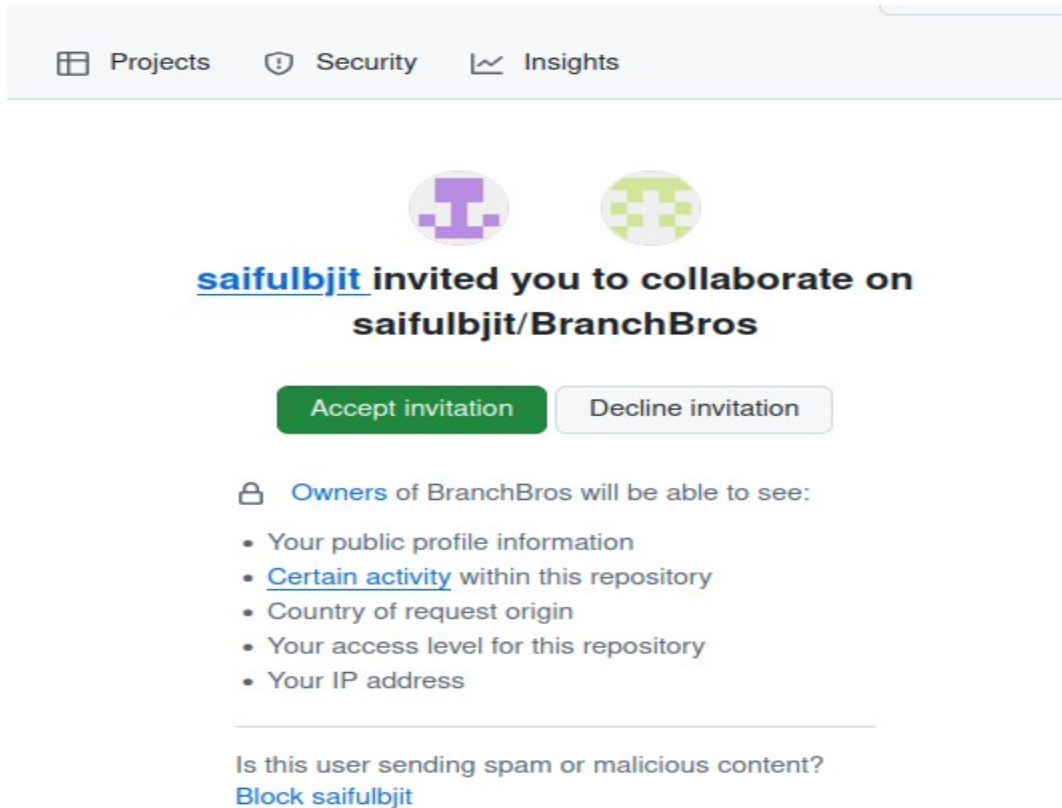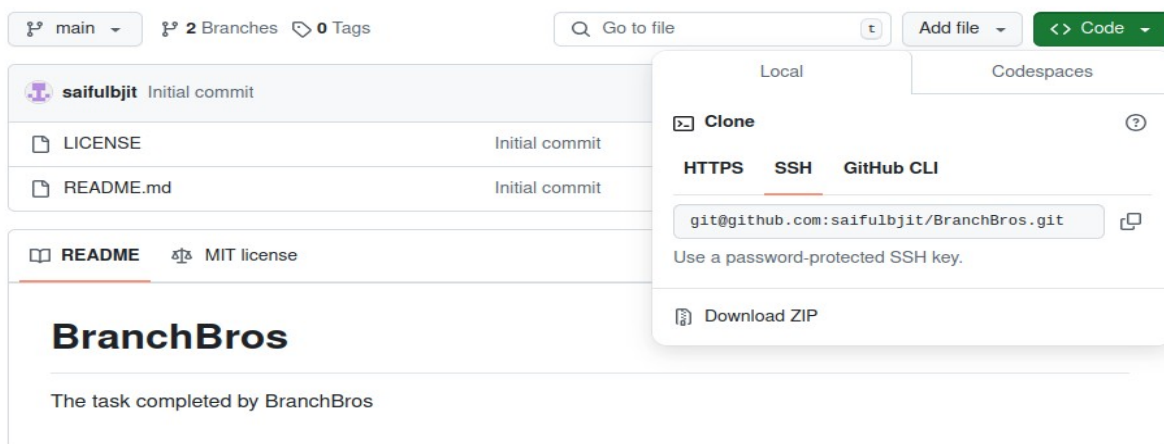# Avishek Agarwala(30212) Git Exam Screenshots

1.Get Invitation For collaboration:

2.Accepting invitation and copy ssh key for cloning the project.
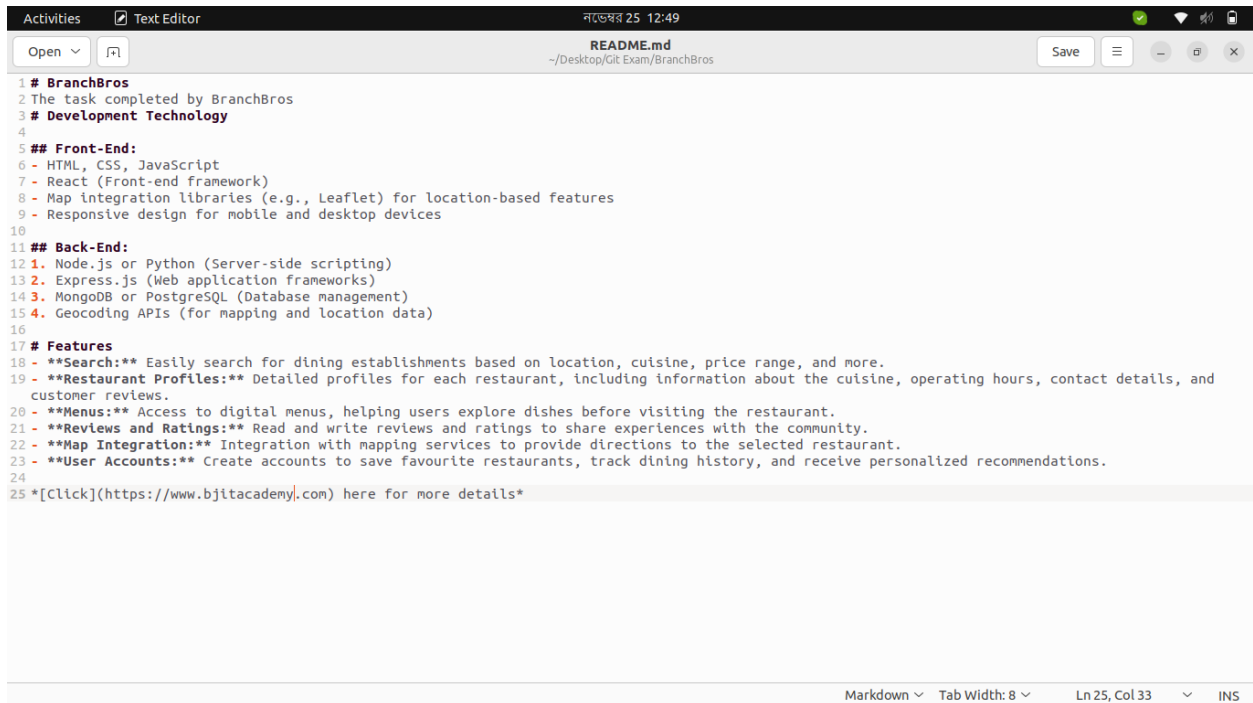
3.Cloning the Project

```
bjit@bjit-Vostro-15-3568: ~/Desktop/Git Exam/BranchBros

bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam$ git clone git@github.com:saifulbjit
/BranchBros.git
Cloning into 'BranchBros'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
Receiving objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam$ ls
BranchBros
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam$ cd BranchBros/
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git branch
* development
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ █
```

4.Switched to a new branch(task2branch) and updated the read me file.

```
bjit@bjit-Vostro-15-3568: ~/Desktop/Git Exam/BranchBros

bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git checkout -b task2bra
nch
Switched to a new branch 'task2branch'
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git status
On branch task2branch
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$
```
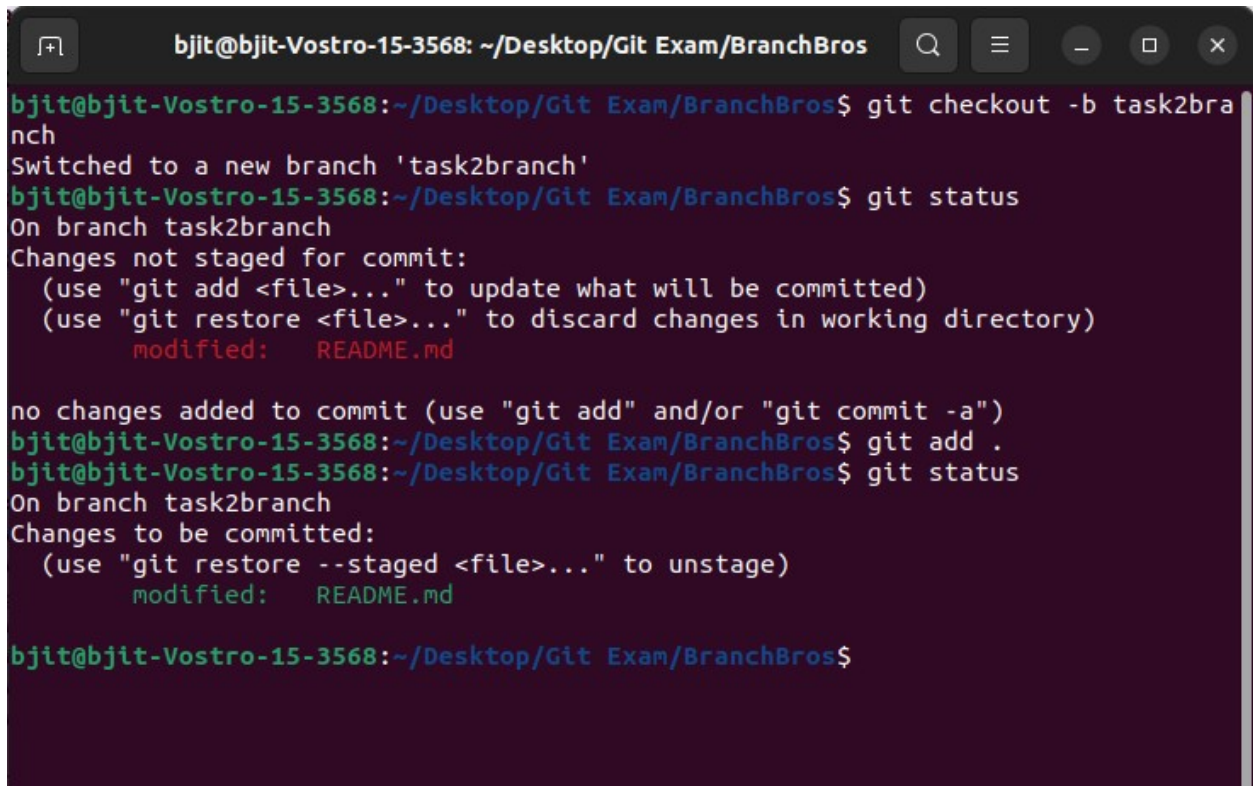
5.Updated Readme.md File

6.Adding Readme.md file to staging

7.Committing Readme.md file.

```
no changes added to commit (use "git add" and/or "git commit -a")
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git add .
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git status
On branch task2branch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git commit -m "docs(read
me): development technology and features" -m "Described about front-end and back
-end and all the features" -m "Refs. #0002"
[task2branch c2d3cd3] docs(readme): development technology and features
 1 file changed, 23 insertions(+)
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git log
commit c2d3cd33f3e4cfa80396f6f1b9cdfae914e2566c (HEAD -> task2branch)
Author: Avishek Agarwala <avishek.agarwala@bjitacademy.com>
Date:   Mon Nov 25 13:28:35 2024 +0600

    docs(readme): development technology and features

    Described about front-end and back-end and all the features

    Refs. #0002

commit 10959eb61a2a3f3d799393ae938995eb286d0c87 (origin/main, origin/development
, origin/HEAD, development)
Author: saifulbjit <saiful.islam@bjitacademy.com>
Date:   Mon Nov 25 12:16:36 2024 +0600
```

8.Now pulling the latest Update from Remote and switched to a new branch:

```
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git branch
  development
* task2branch
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git checkout development
Switched to branch 'development'
Your branch is up to date with 'origin/development'.
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git pull origin developm
ent
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 7 (delta 2), reused 2 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (7/7), 2.62 KiB | 384.00 KiB/s, done.
From github.com:saifulbjit/BranchBros
 * branch            development -> FETCH_HEAD
   10959eb..6bffe95  development -> origin/development
Updating 10959eb..6bffe95
Fast-forward
 README.md | 26 ++++++++++++++++++++++++--
 1 file changed, 24 insertions(+), 2 deletions(-)
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git checkout -b task2bra
nchupdate
Switched to a new branch 'task2branchupdate'
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git
```

9.Cherry-Picking the last Updated commit

```
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git log --oneline task2b
ranch
c2d3cd3 (task2branch) docs(readme): development technology and features
10959eb (origin/main) Initial commit
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git cherry-pick c2d3cd3
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply c2d3cd3... docs(readme): development technology and featu
res
hint: After resolving the conflicts, mark them with
hint: "git add/rm <pathspec>", then run
hint: "git cherry-pick --continue".
hint: You can instead skip this commit with "git cherry-pick --skip".
hint: To abort and get back to the state before "git cherry-pick",
hint: run "git cherry-pick --abort".
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$
```

10.Conflict Occured and Solved Manually then Add the solved file

To staging Then continuing the cherry-pick

```
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git add .
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git cherry-pick --contin
ue
[task2branchupdate 50a5ab1] docs(readme): development technology and features
 Date: Mon Nov 25 13:28:35 2024 +0600
 1 file changed, 24 insertions(+)
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$
```

11.Pushing the no-conflict updated file.

```
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git push -u origin task2
branchupdate
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.52 KiB | 777.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'task2branchupdate' on GitHub by visiting:
remote:      https://github.com/saifulbjit/BranchBros/pull/new/task2branchupdate
remote:
To github.com:saifulbjit/BranchBros.git
 * [new branch]      task2branchupdate -> task2branchupdate
Branch 'task2branchupdate' set up to track remote branch 'task2branchupdate' fro
m 'origin'.
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$
```

12.Now Create Pull Request on Remote Github

Add a title

docs(readme): development technology and features

Add a description

| Write | Preview |

H B I ≣ <> & | ⋮≡ ⋮≡ ⋮≡ | @ @ ⧉ ↩ ▣

Described about front-end and back-end and all the features

Refs. #0002

M↓ Markdown is supported   🖼 Paste, drop, or click to add files

Create pull request ▾

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

13.Review is required to Merge

❌ **Review required**   Show all reviewers
At least 1 approving review is required by reviewers with write access. Learn more about pull request reviews.

👤 **1 pending reviewer**   ⌄

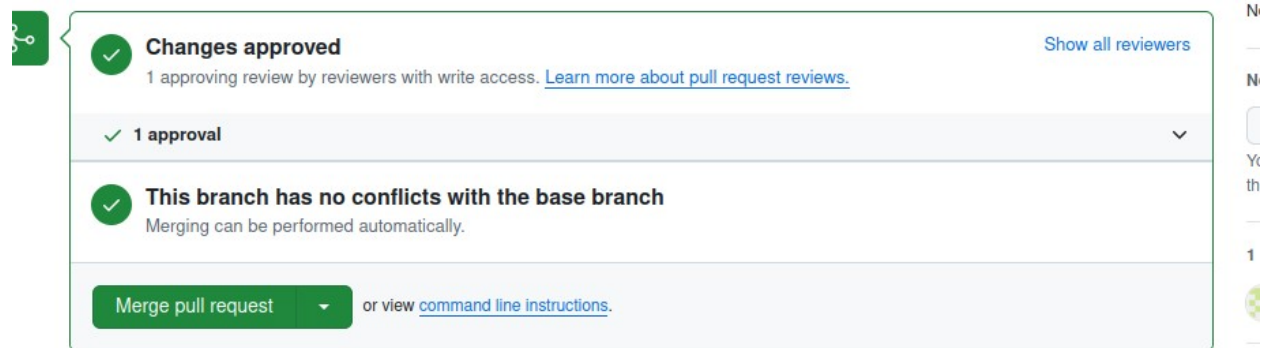❌ **Merging is blocked**
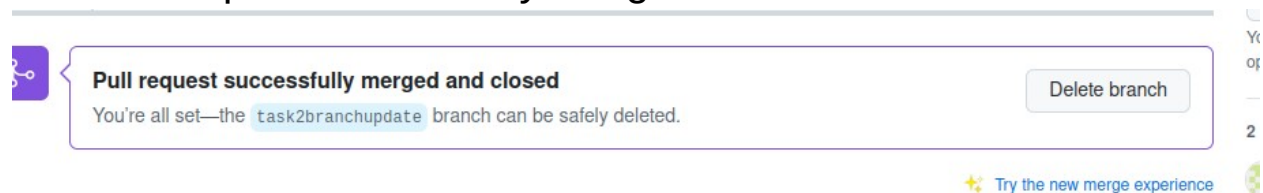Merging can be performed automatically with 1 approving review.

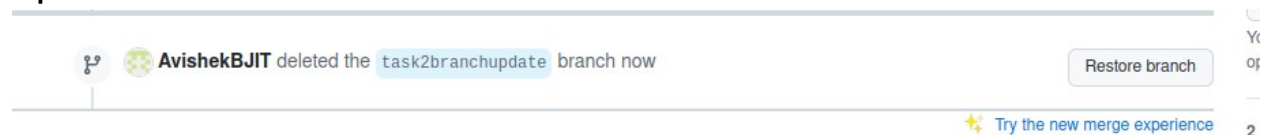Merge pull request ▾   or view command line instructions.

14.Review is Approved

15.Pull Request Succesfully Merged After review.

16.Deleted The branch Safely after Successfully merging the updates

This is the whole Proccess of this Exam.I was assigned Task2 by the Group leader. Succesfully Deliverd and Merged. Thank you.