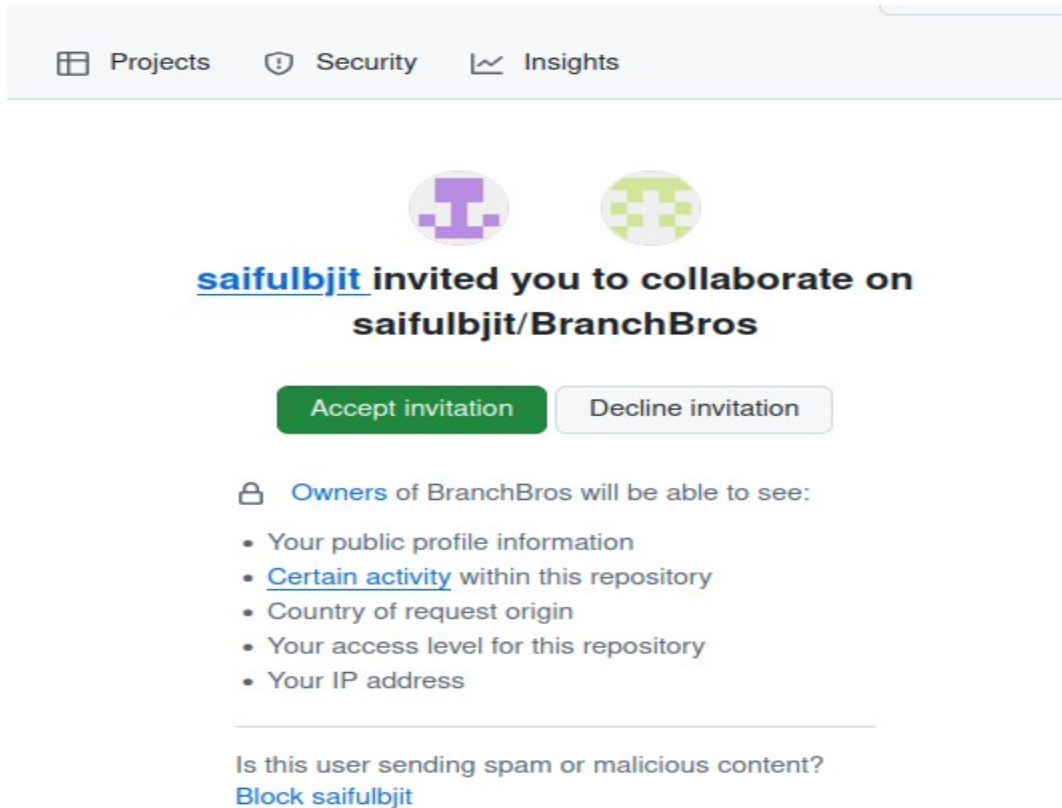
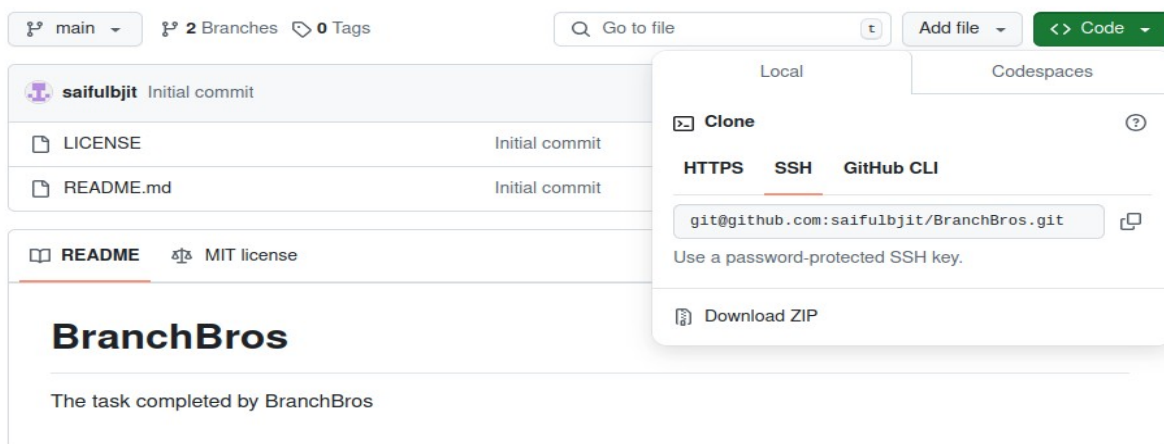


# Avishek Agarwala(30212) Git Exam Screenshots

## 1. Get Invitation For collaboration:



## 2. Accepting invitation and copy ssh key for cloning the project.



### 3. Cloning the Project

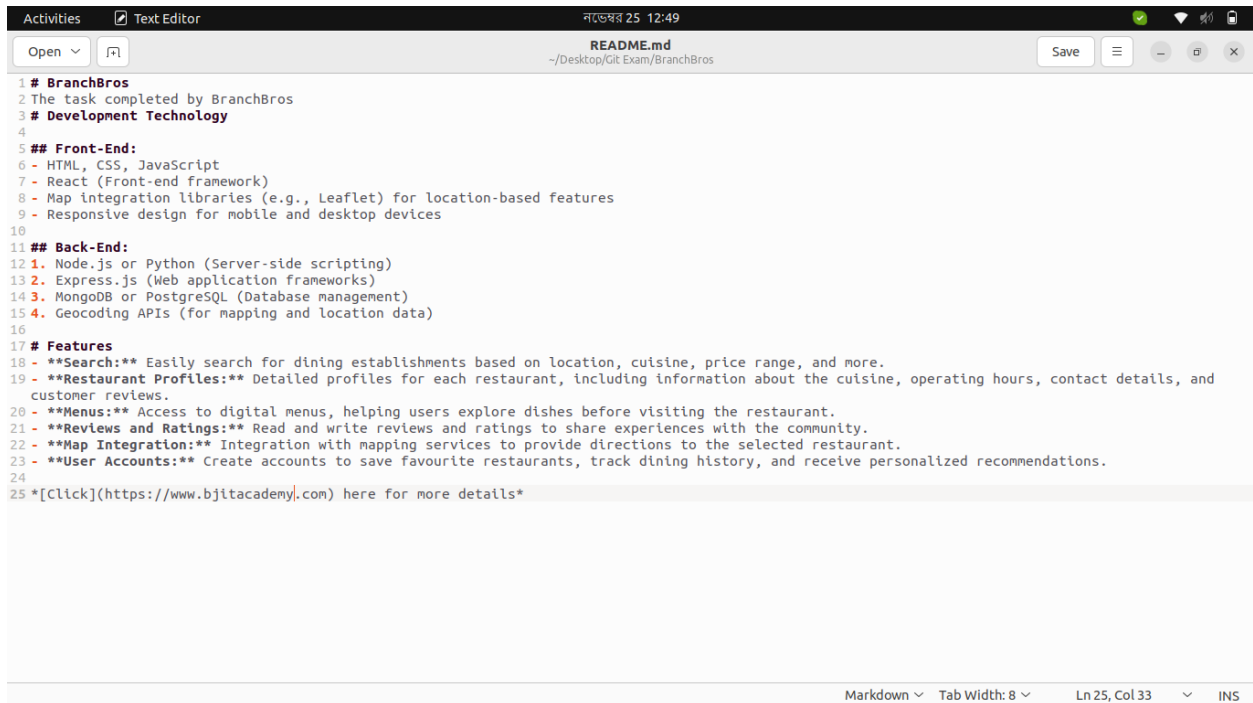
```
bjit@bjit-Vostro-15-3568: ~/Desktop/Git Exam/BranchBros
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam$ git clone git@github.com:saifulbjit/
BranchBros.git
Cloning into 'BranchBros'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (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$
```

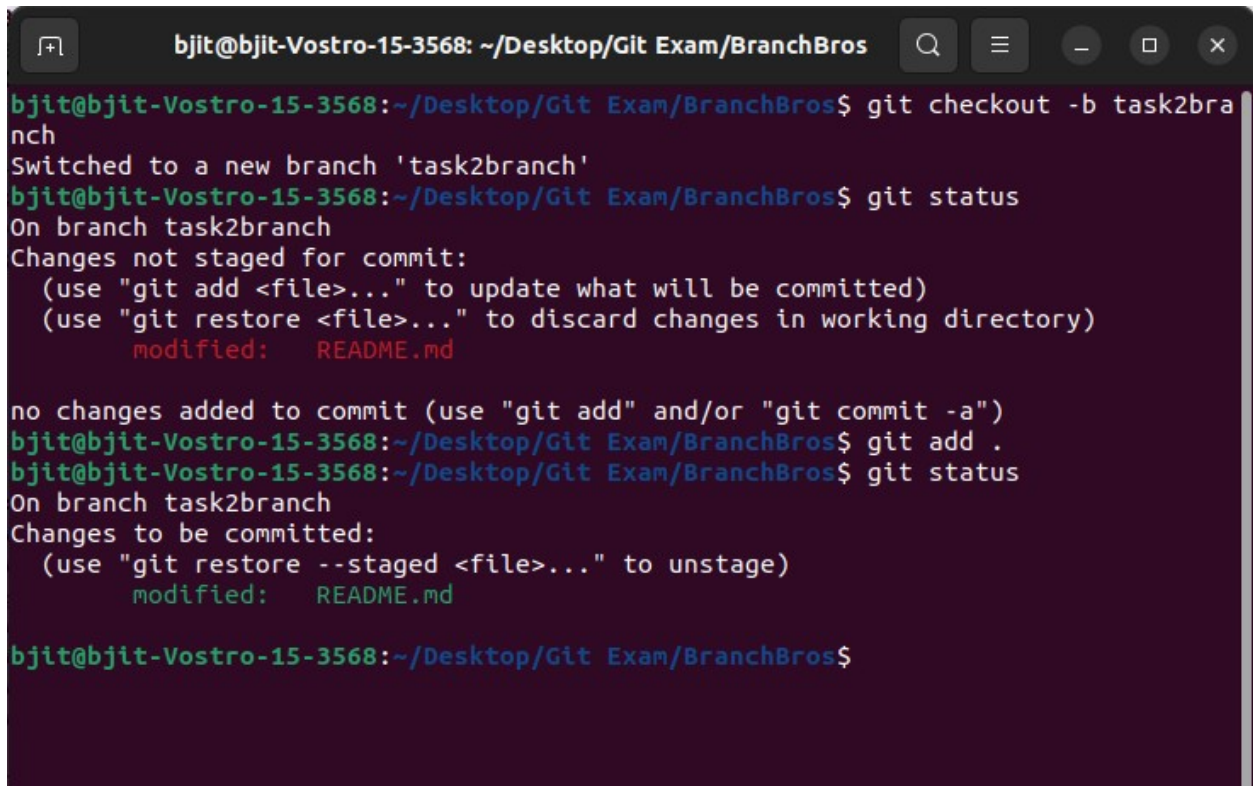
## 5.Updated Readme.md File

A screenshot of a text editor window titled 'Text Editor' with a file named 'README.md' open at the path '~/Desktop/Git Exam/BranchBros'. The editor shows a README file with the following content:

```
1 # BranchBros
2 The task completed by BranchBros
3 # Development Technology
4
5 ## Front-End:
6 - HTML, CSS, JavaScript
7 - React (Front-end framework)
8 - Map integration libraries (e.g., Leaflet) for location-based features
9 - Responsive design for mobile and desktop devices
10
11 ## Back-End:
12 1. Node.js or Python (Server-side scripting)
13 2. Express.js (Web application frameworks)
14 3. MongoDB or PostgreSQL (Database management)
15 4. Geocoding APIs (for mapping and location data)
16
17 # Features
18 - **Search:** Easily search for dining establishments based on location, cuisine, price range, and more.
19 - **Restaurant Profiles:** Detailed profiles for each restaurant, including information about the cuisine, operating hours, contact details, and
20   customer reviews.
21 - **Menus:** Access to digital menus, helping users explore dishes before visiting the restaurant.
22 - **Reviews and Ratings:** Read and write reviews and ratings to share experiences with the community.
23 - **Map Integration:** Integration with mapping services to provide directions to the selected restaurant.
24 - **User Accounts:** Create accounts to save favourite restaurants, track dining history, and receive personalized recommendations.
25 *[Click](https://www.bjitacademy.com) here for more details*
```

The bottom status bar shows 'Markdown', 'Tab Width: 8', 'Ln 25, Col 33', and 'INS'.

## 6.Adding Readme.md file to staging

A screenshot of a terminal window with the title bar 'bjit@bjit-Vostro-15-3568: ~/Desktop/Git Exam/BranchBros'. The terminal shows the following commands and output:

```
bjit@bjit-Vostro-15-3568:~/Desktop/Git Exam/BranchBros$ git checkout -b task2branch
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$ 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$
```

## 7. Committing Readme.md file.

```
bjit@bjit-Vostro-15-3568: ~/Desktop/Git Exam/BranchBros
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(readme): 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
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 development
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 task2branchupdate
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 task2branch
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 features
hint: After resolving the conflicts, mark them with
hint: "git add/rm <paths>", 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 --continue
[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 task2branchupdate
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' from '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**

WritePreview


H B I            

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


Refs. #0002


 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**

At least 1 approving review is required by reviewers with write access. [Learn more about pull request reviews.](#)

Show all reviewers

 **1 pending reviewer**

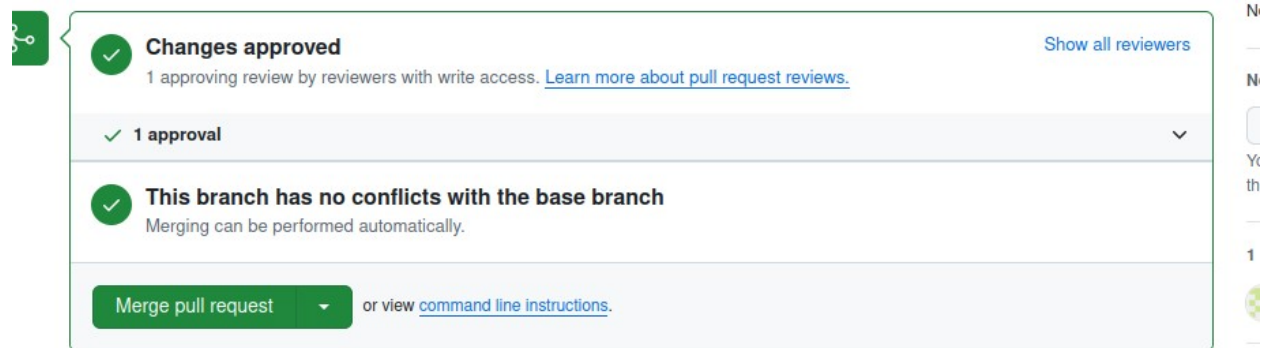
**Merging is blocked**

Merging can be performed automatically with 1 approving review.

Merge pull request

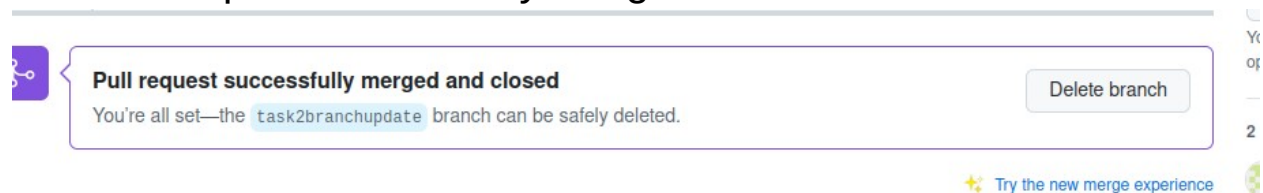
or view [command line instructions](#).

## 14.Review is Approved



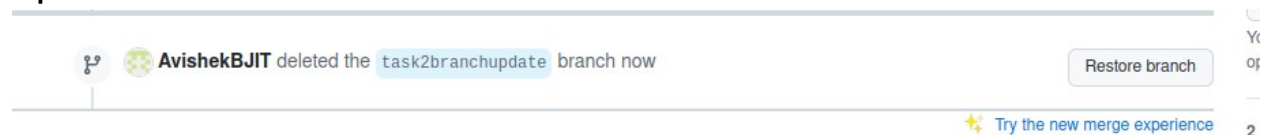
The screenshot shows a GitHub pull request review status. At the top, a green box with a checkmark icon contains the text "Changes approved" and "1 approving review by reviewers with write access. [Learn more about pull request reviews.](#)" with a "Show all reviewers" link. Below this, a section titled "1 approval" is shown. Further down, another green box with a checkmark icon states "This branch has no conflicts with the base branch" and "Merging can be performed automatically." At the bottom, there is a green button labeled "Merge pull request" and a link to "view command line instructions."

## 15.Pull Request Successfully Merged After review.



The screenshot shows a GitHub pull request status after successful merging. A purple box with a checkmark icon contains the text "Pull request successfully merged and closed" and "You're all set—the `task2branchupdate` branch can be safely deleted." with a "Delete branch" button. Below this, there is a link to "Try the new merge experience".

## 16.Deleted The branch Safely after Successfully merging the updates



The screenshot shows a GitHub notification for branch deletion. It features a green box with a checkmark icon and the text "AvishekBJIT deleted the `task2branchupdate` branch now" with a "Restore branch" button. Below this, there is a link to "Try the new merge experience".

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