07-01-2025

Beginner Project-2

To-Do List App (Frontend)

Objective: Build a basic To-Do list web application using HTML, CSS and JavaScript.

Skills: Learn how to organize your code into commits and set up a GitHub repository.

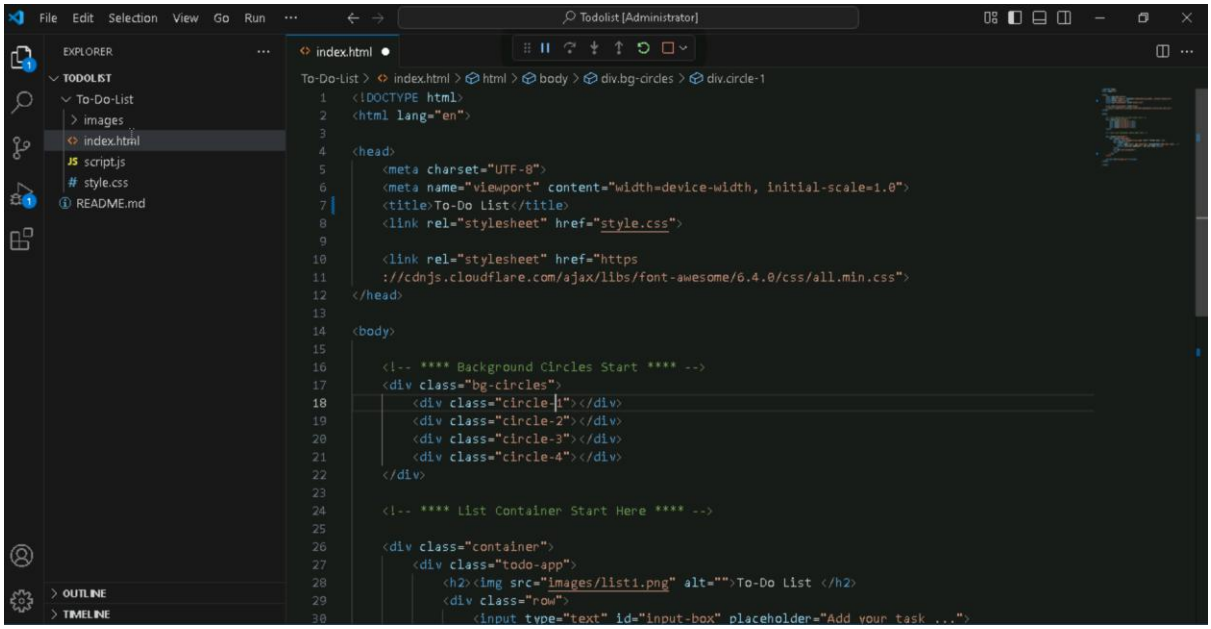
GitHub Concepts: Regularly commit your progress, create branches for features, and make pull requests.

Step1: Initially, Clone the project with the HTML, CSS, and JavaScript File in the Folder

MINGW64:/c/Users/Administrator/Desktop/Todolist

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git clone https://github.com/keerti1924/To-Do-List.git
Cloning into 'To-Do-List'...
remote: Enumerating objects: 18, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 18 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (18/18), 167.64 KiB | 2.58 MiB/s, done.
Resolving deltas: 100% (4/4), done.
```

HTML Code:



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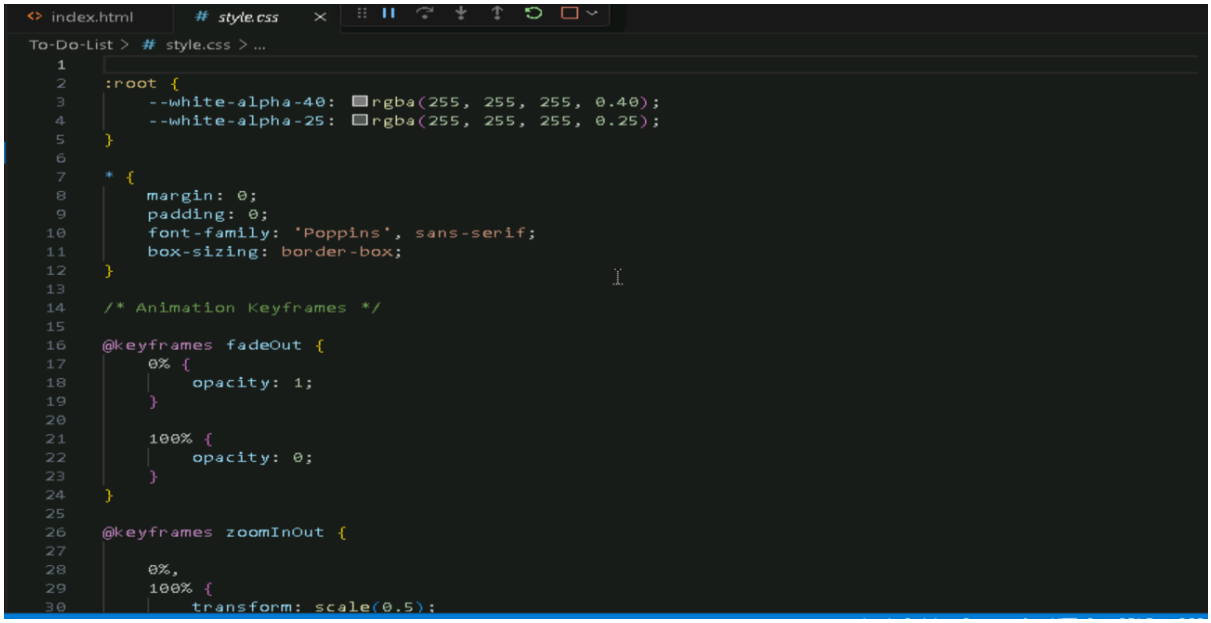
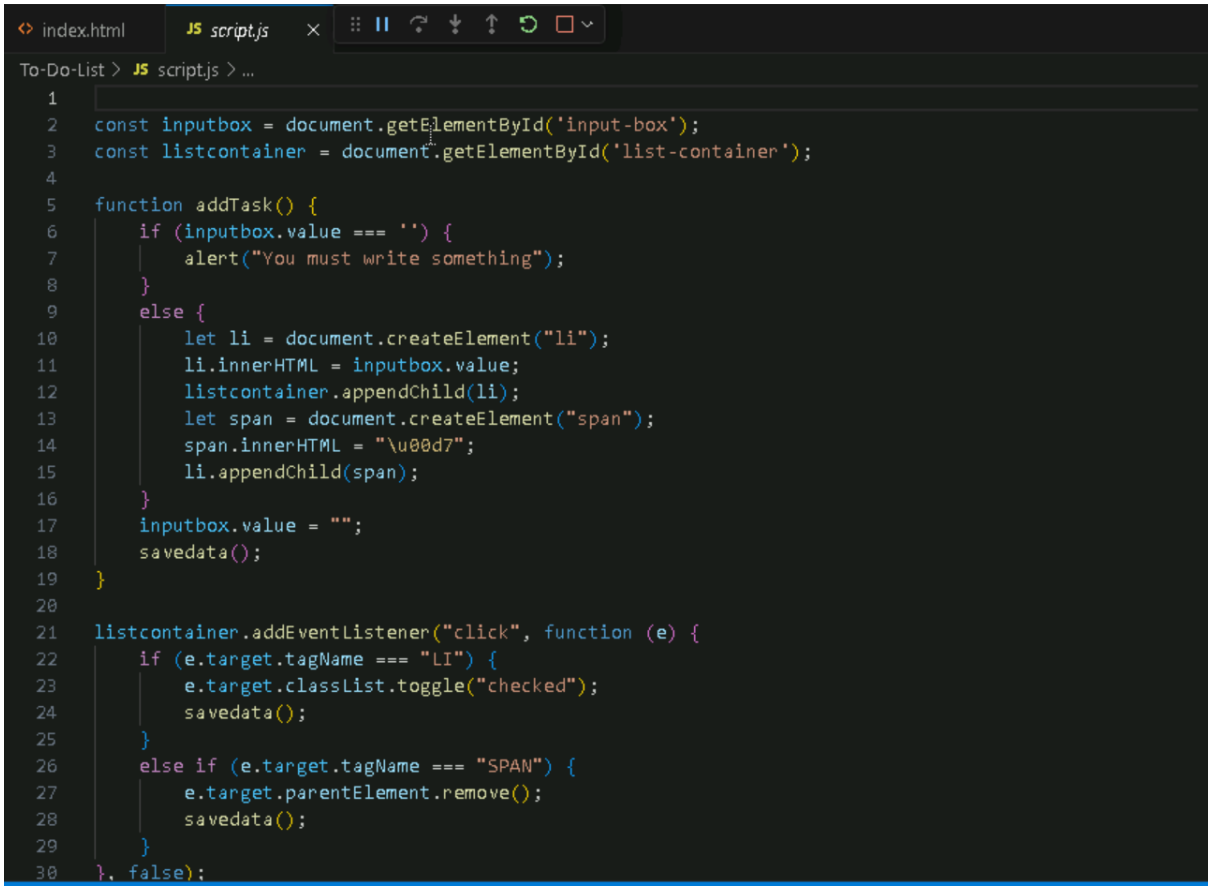
CSS Code:



JavaScript Code:



Step 2: Initialize the repository using “git init” Command.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git init
Initialized empty Git repository in C:/Users/Administrator/Desktop/Todolist/.git
/
```

Step 3: “git remote add origin “git-Link”” command is used in Git to link a local repository to a remote repository.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git remote add origin https://github.com/Santhosh2010-ramesh/Todo-List.git
```

Step 4: The git add . command is used in Git to stage changes in the working directory, preparing them to be included in the next commit.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git add .
```

Step 5: This Git command provides information about the current state of the working directory and staging area.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   To-Do-List/images/check.png
        new file:   To-Do-List/images/icon.png
        new file:   To-Do-List/images/list.png
        new file:   To-Do-List/images/list1.png
        new file:   To-Do-List/images/todolist.png
        new file:   To-Do-List/index.html
        new file:   To-Do-List/script.js
        new file:   To-Do-List/style.css
```

Step 6: It fetches and integrates changes from the remote repository’s main branch to local main branch.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 901 bytes | 47.00 KiB/s, done.
From https://github.com/Santhosh2010-ramesh/Todo-List
 * branch            main       -> FETCH_HEAD
 * [new branch]      main       -> origin/main
```

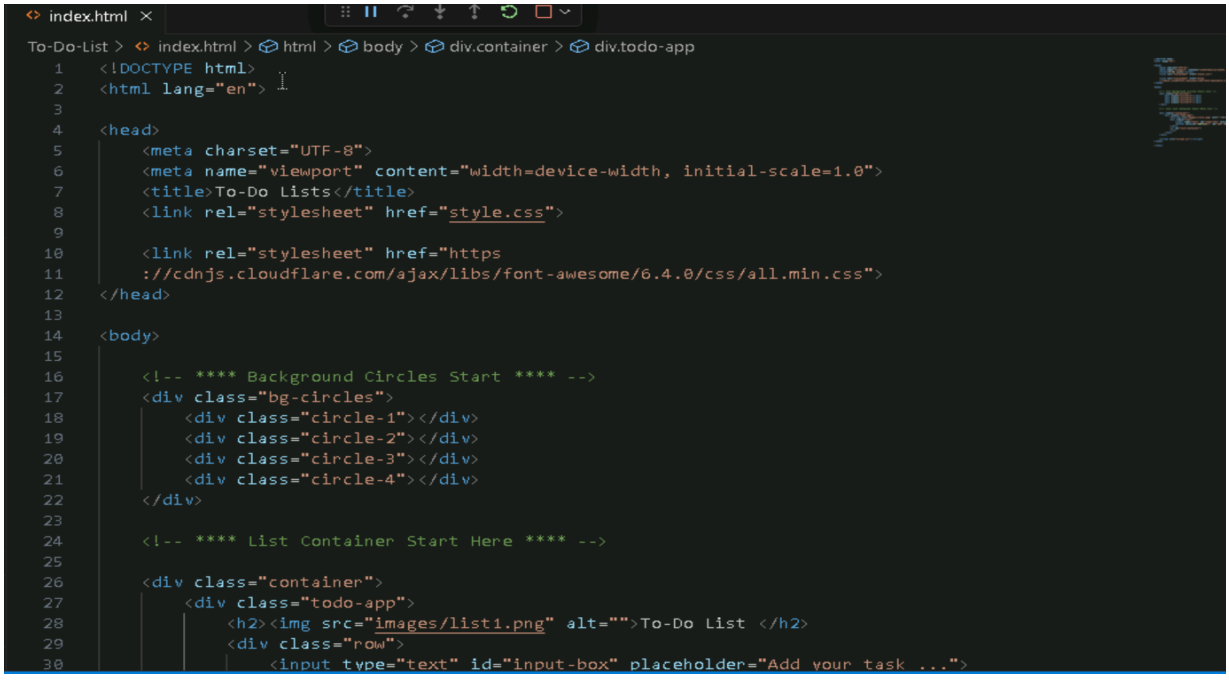
Step 7: Now the added files are committed to the repository.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git commit -m "initial commit"
[master cc45e4e] initial commit
 8 files changed, 318 insertions(+)
 create mode 100644 To-Do-List/images/check.png
 create mode 100644 To-Do-List/images/icon.png
 create mode 100644 To-Do-List/images/list.png
 create mode 100644 To-Do-List/images/list1.png
 create mode 100644 To-Do-List/images/todolist.png
 create mode 100644 To-Do-List/index.html
 create mode 100644 To-Do-List/script.js
 create mode 100644 To-Do-List/style.css
```

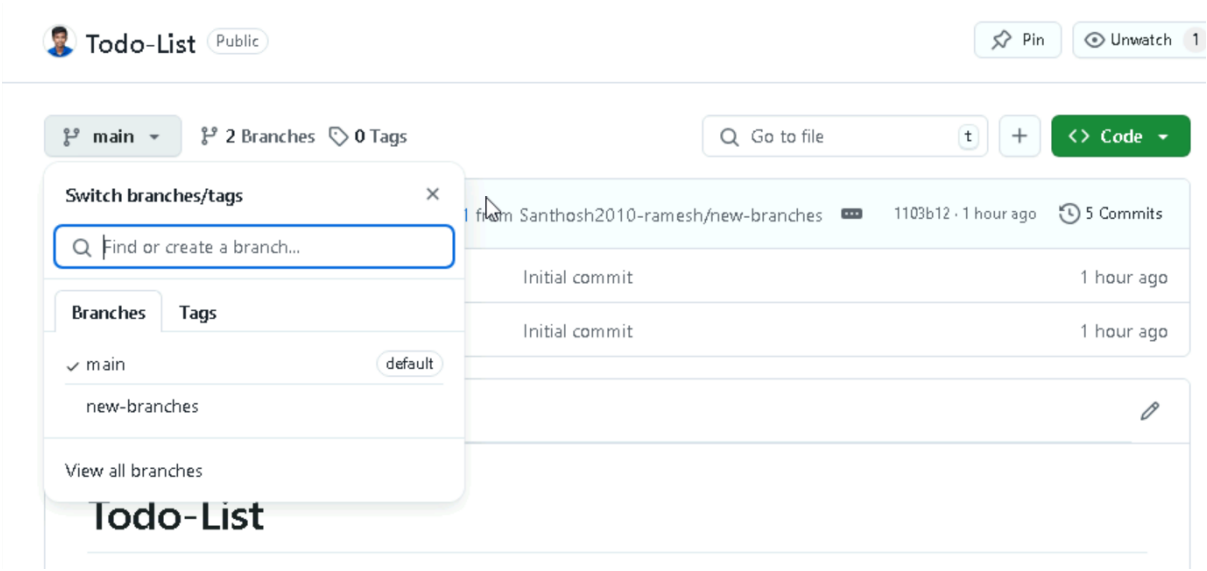
Step 8: Pushing the files to the repository using “git push origin HEAD: main”

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git push origin HEAD:main
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 4 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (12/12), 164.92 KiB | 12.69 MiB/s, done.
Total 12 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Santhosh2010-ramesh/Todo-List.git
   94424fd..cc45e4e  HEAD -> main
```

Step 9: Now making a minor change in the Title of the => To-Do List as To-Do Lists in the index.html file.



Step 10: Now Creating a new branch in the GitHub repository as “new - branches”.



Step 11: Now adding all the modified file from the local to the GitHub repository new branch and committing the changes.

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (master)
$ git add .

Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (new-branch)
$ git commit -m "initial commit"
[new-branch b01195f] initial commit
 1 file changed, 1 insertion(+), 1 deletion(-)
```

Step 12: Now pushing the modified files to the new branch

```
Administrator@ccb228d15332571 MINGW64 ~/Desktop/Todolist (new-branch)
$ git push origin HEAD:new-branches
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 391 bytes | 391.00 KiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Santhosh2010-ramesh/Todo-List.git
   b01195f..f537efd  HEAD -> new-branches
```

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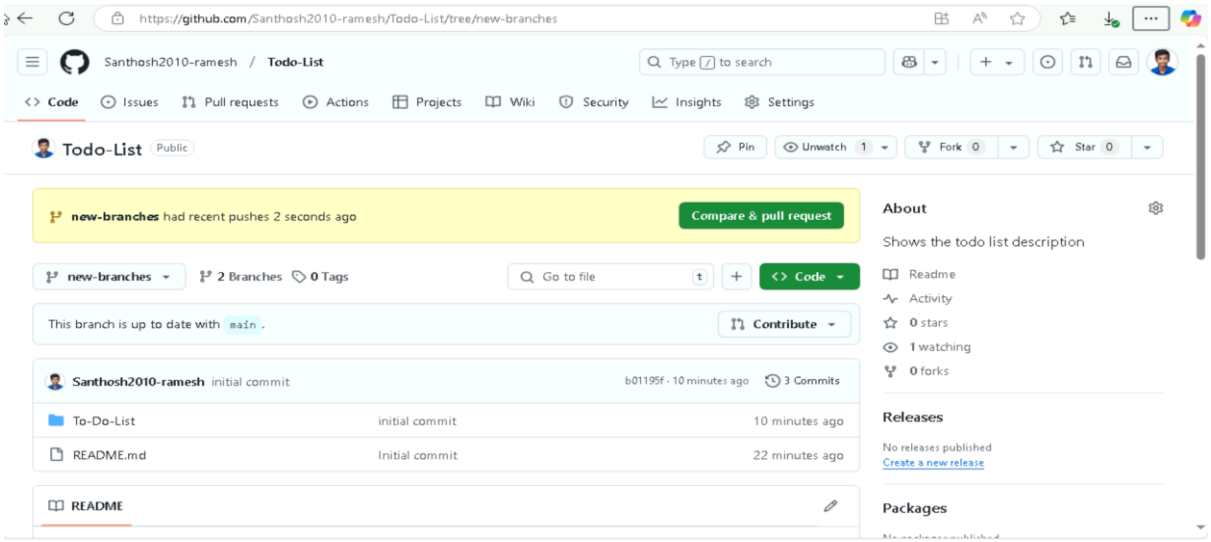
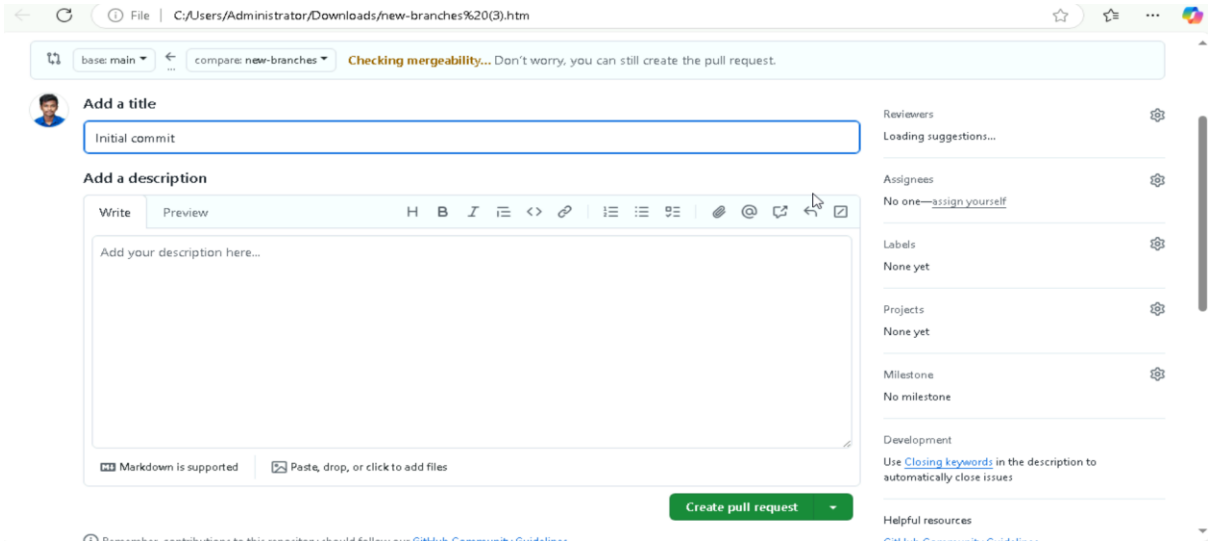
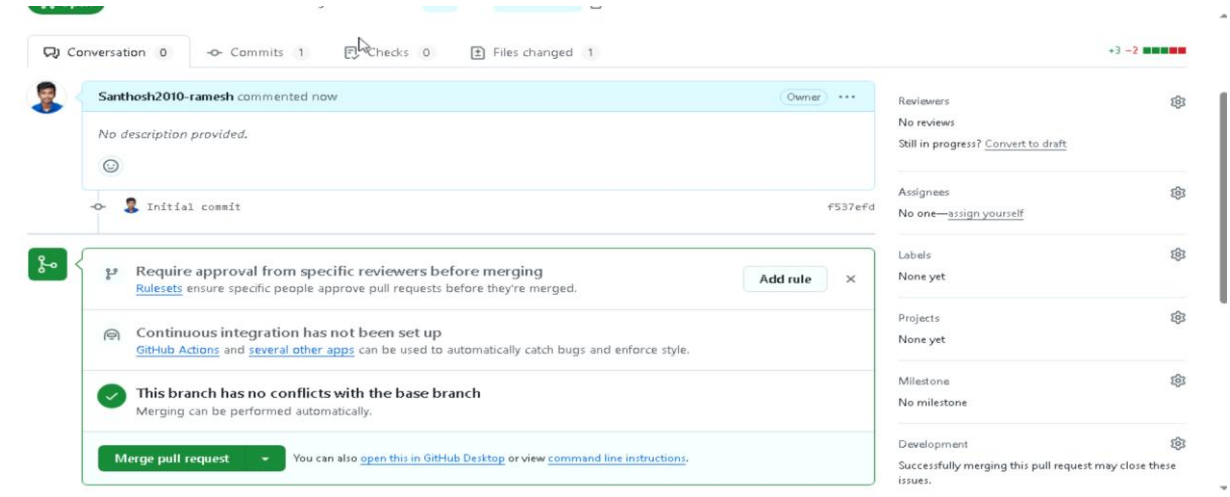
Step 13: Comparing and requesting the pull from the new branch to the main branch.



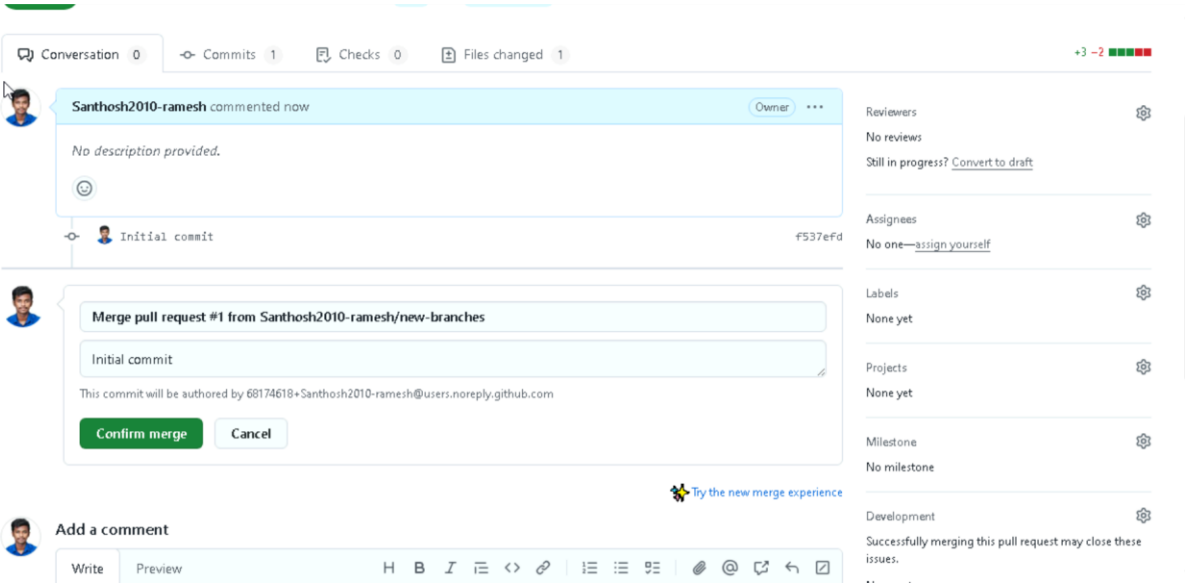
Step 14: After the difference is pointed the pull request is created.



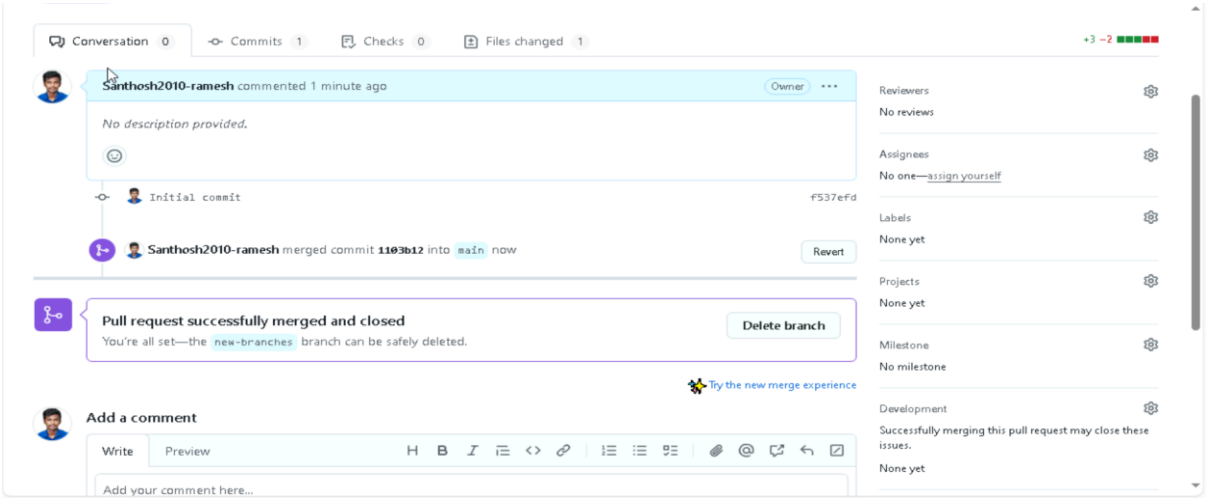
Step 15: Now Merging the pull request in GitHub.

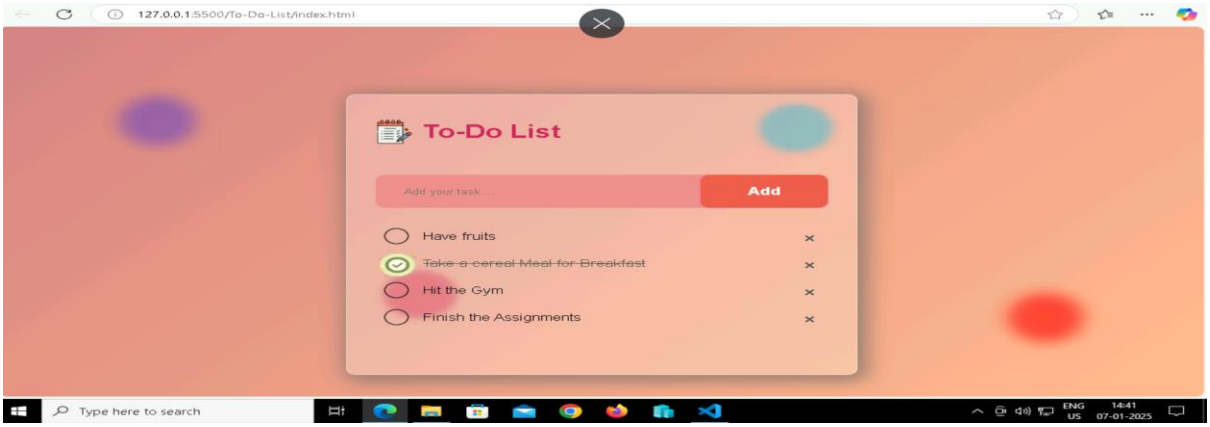


Step 16: Submit and confirm the merge request.



Step 17: Pull request is successfully merged and closed.





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