1) Cloning the repository

```
bjit@bjit-Vostro-15-3568:~/Desktop$ 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.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (4/4), done.
bjit@bjit-Vostro-15-3568:~/Desktop$ git branch
fatal: not a git repository (or any of the parent directories): .git
bjit@bjit-Vostro-15-3568:~/Desktop$ cd BranchBros/
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git branch
* development
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$
```

2) Create new branch 'task1branch' for local working

```
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git branch task1branch
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git checkout task1branch
Switched to branch 'task1branch'
```

3) Adding required file contents

```
1  ![Logo](https://i.postimg.cc/gjZNQfvY/logo.png)
2
3  # Table of Contents
4  - Introduction
5  - Development Technology
6  - Features
7  - Getting Started
8  - Usage
9  - Contributors
10 - Contact Information
11
12 ## Introduction
13 Local Dining Guide is a user-friendly platform that aims to connect users with local dining options. It provides a rich and
   intuitive interface to search for restaurants, view their menus, read reviews, and get directions. With a focus on enhancing the
   dining experience, this software solution strives to bridge the gap between diners and local eateries.
14 ![Banner](https://i.postimg.cc/TYnt9vd0/banner.jpg)
15
16 ### License
17 This project is licensed under the [MIT License](https://opensource.org/licenses/MIT).
18
```

4) Staging and committing the changes.

```
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git add .
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git commit -m "docs(readme): add logo and introductor
y info" -m "Added logo, introduction, banner and license information" -m "Refs. #0001"
[task1branch 55bcb6d] docs(readme): add logo and introductory info
 1 file changed, 18 insertions(+), 2 deletions(-)
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git log --oneline
55bcb6d (HEAD -> task1branch) docs(readme): add logo and introductory info
10959eb (origin/main, development) Initial commit
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$
```

5) Now pull from development branch as it may contain new updates. Then create a new branch 'task1branchUpdate' from this state and checkout to it.

```
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git pull origin development
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 1.16 KiB | 1.16 MiB/s, done.
From github.com:saifulbjit/BranchBros
 * branch            development -> FETCH_HEAD
   10959eb..7bc8813  development -> origin/development
Updating 10959eb..7bc8813
Fast-forward
 README.md | 8 ++++++--
 1 file changed, 6 insertions(+), 2 deletions(-)
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git checkout -b task1branchUpdate
Switched to a new branch 'task1branchUpdate'
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$
```

6) Then cherry pick the latest commit from the branch 'task1branch' to the checked out 'task1branchUpdate'. This results in a merge conflict.

```
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git cherry-pick 55bcb6d
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply 55bcb6d... docs(readme): add logo and introductory info
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/BranchBros$
```

7) Git added conflict markers to the README.md file.

```
README.md
~/Desktop/BranchBros                                                    Ln 1, Col 13

1  <<<<<<< HEAD
2  # Local Dining Guide
3
4  Web Based Dining Information Solution
5
6  Welcome to the Local Dining Guide project! This web-based software solution is designed to provide users with comprehensive dining information, making it easy for them to explore and
   discover local restaurants, cafes, and eateries. Whether you're a food enthusiast looking for new culinary experiences or a traveller seeking the best dining spots in town, Local Dining
   Guide has got you covered.
7  =======
8  ![Logo](https://i.posting.cc/gjZNQfvY/logo.png)
9
10 # Table of Contents
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19 ## Introduction
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21 ![Banner](https://i.posting.cc/TYnt9vd0/banner.jpg)
22
23 ### License
24 This project is licensed under the [MIT License](https://opensource.org/licenses/MIT).
25 >>>>>>> 55bcb6d (docs(readme): add logo and introductory info)
26
```

8) Resolving the conflict locally and removed the conflict markers. After the conflict resolution, the file looks like this:

9) Adding changes to indicate git conflict has been resolved. Then continue the cherry-pick.

```
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git add .
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git cherry-pick --continue
[task1branchUpdate d88b21d] docs(readme): add logo and introductory info
 Date: Mon Nov 25 14:02:04 2024 +0600
 1 file changed, 18 insertions(+)
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git status
On branch task1branchUpdate
nothing to commit, working tree clean
```

10) Push the branch 'task1branchUpdate' to remote origin.

```
bjit@bjit-Vostro-15-3568:~/Desktop/BranchBros$ git push -u origin task1branchUpdate
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), 965 bytes | 965.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'task1branchUpdate' on GitHub by visiting:
remote:      https://github.com/saifulbjit/BranchBros/pull/new/task1branchUpdate
remote:
To github.com:saifulbjit/BranchBros.git
 * [new branch]      task1branchUpdate -> task1branchUpdate
branch 'task1branchUpdate' set up to track 'origin/task1branchUpdate'.
```

11) Creating pull request and adding reviewer for the approval.

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. Learn more about diff comparisons here.

⇅ base: development ▼ ← ... compare: task1branchUpdate ▼ ✓ **Able to merge**. These branches can be automatically merged.

Add a title

docs(readme): add logo and introductory info

Add a description

| Write | Preview | | H B I ≣ <> 🔗 | ≣ ≣ ✅ | 📎 @ ⬚ ↩ ⬚ |

Added logo, introduction, banner and license information

Refs. #0001

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

Create pull request ▼

Reviewers ⚙
🧑 shahriarahmed420 ●

At least 1 approving review is required to merge this pull request.

Assignees ⚙
No one—assign yourself

Labels ⚙
None yet

Projects ⚙
None yet

Milestone ⚙
No milestone

Development
Use Closing keywords in the description to automatically close issues

12) After approval from reviewer, option to merge appeared.

↕ Open   **docs(readme): add logo and introductory info** #1
saifulbjit wants to merge 1 commit into `development` from `task1branchUpdate` ⧉

👁 🧑 **saifulbjit** requested a review from **shahriarahmed420** 1 minute ago

✓ **shahriarahmed420** approved these changes now   View reviewed changes

shahriarahmed420 left a comment   (Collaborator) ⋯

Everything is alright.

☺

✓ **Changes approved**   Show all reviewers
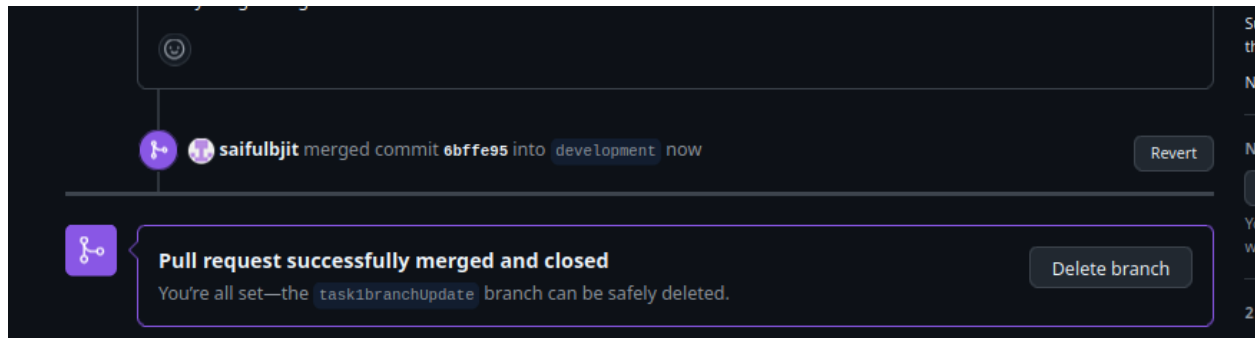1 approving review by reviewers with write access. Learn more about pull request reviews.

✓ **1 approval** ⌄

🤖 **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 ▼   or view command line instructions.

13) After Merging task4branchUpdate

saifulbjit merged commit **6bffe95** into `development` now

Revert

Pull request successfully merged and closed
You're all set—the `task1branchUpdate` branch can be safely deleted.

Delete branch

14) Deleting the branch as it is no longer required

saifulbjit merged commit **6bffe95** into `development` now

Revert

saifulbjit deleted the `task1branchUpdate` branch now

Restore branch

Add a comment