

A Project report
on
“REVAMP”
with
Source Code Management
(CS181)

Submitted by

Team Member 1 Ansh Bhasin Roll No. 210992018

Team Member 2 Ishank Kapur Roll No. 210992086

Team Member 3 Ayush Vats Roll No. 2110992080

Team Member 4 Manav Shandilya Roll No. 2110992080



Department of Computer Science & Engineering

Chitkara University Institute of Engineering and Technology, Punjab

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Institute/School	Chitkara University Institute of Engineering and Technology		
Name	Ansh Bhasin		
Department Name	Department of Computer Science & Engineering		
Programme Name	Bachelor of Engineering (B.E.), Computer Science & Engineering		
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Course Coordinator	Dr. Neeraj Singla		
Faculty Name	Dr. Anuj Jain		

Submission

Name: Ansh Bhasin

Signature: Ansh

Date: 23/05/2022

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1. Create a distributed Repository and add members in project team

Creation of a distributed repository means creating a platform where each team member can work on their own workspace, to make that workspace a reality, we use branches.




To make people work on those branches we add them as collaborators.

Collaborators are people joining us to create the project we can add them in github repository settings

Step-1: To create a distributed repository, we first need to add collaborators in the git repository

Manage access

Add people

<input type="checkbox"/> Select all	Type ▾
<input type="text" value="Find a collaborator..."/>	
<input type="checkbox"/>  ayushvats1227 Collaborator	Remove
<input type="checkbox"/>  It-Is-Ishank Collaborator	Remove
<input type="checkbox"/>  Manav Shandilya Manav-Shandilya · Collaborator	Remove

Step-2: Create branches for all and publish them to the remote git repository

```

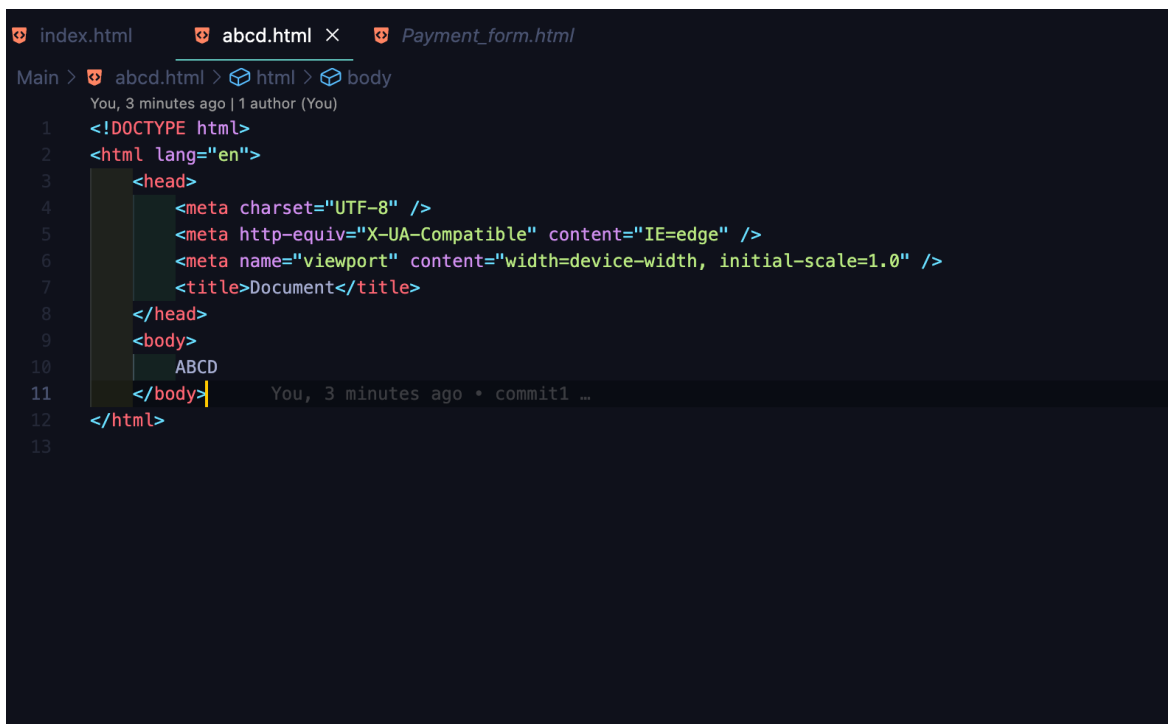
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git branch
* main
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git branch ishank
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git branch ayush
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git branch manav
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git push -u origin ishank
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'ishank' on GitHub by visiting:
remote:      https://github.com/ItzAnsh/Revamp/pull/new/ishank
remote:
To https://github.com/ItzAnsh/Revamp.git
* [new branch]      ishank -> ishank
branch 'ishank' set up to track 'origin/ishank'.
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git push -u origin ayush
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'ayush' on GitHub by visiting:
remote:      https://github.com/ItzAnsh/Revamp/pull/new/ayush
remote:
To https://github.com/ItzAnsh/Revamp.git
* [new branch]      ayush -> ayush
branch 'ayush' set up to track 'origin/ayush'.
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git push -u origin manav
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'manav' on GitHub by visiting:
remote:      https://github.com/ItzAnsh/Revamp/pull/new/manav
remote:
To https://github.com/ItzAnsh/Revamp.git
* [new branch]      manav -> manav
branch 'manav' set up to track 'origin/manav'.
(base) anshbhasin@Anshs-MacBook-Pro Revamp % █

```

2. Open and close a pull request

A pull request is a term we use in git to check changes between any 2 branches and merge them if required, it helps us with comparison between the two files

Step-1: To create a pull request do some changes in your file

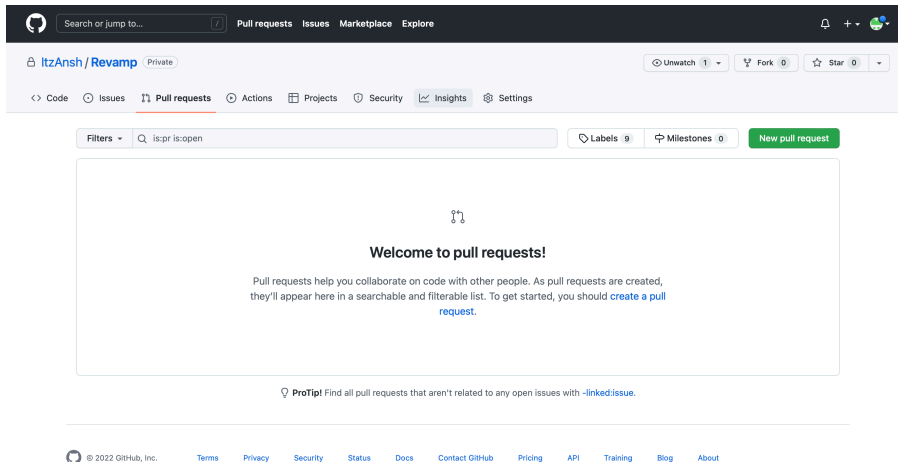


```
index.html  abcd.html  Payment_form.html
Main > abcd.html > html > body
You, 3 minutes ago | 1 author (You)
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7     <title>Document</title>
8   </head>
9   <body>
10    ABCD
11  </body>
12 </html>
13
```

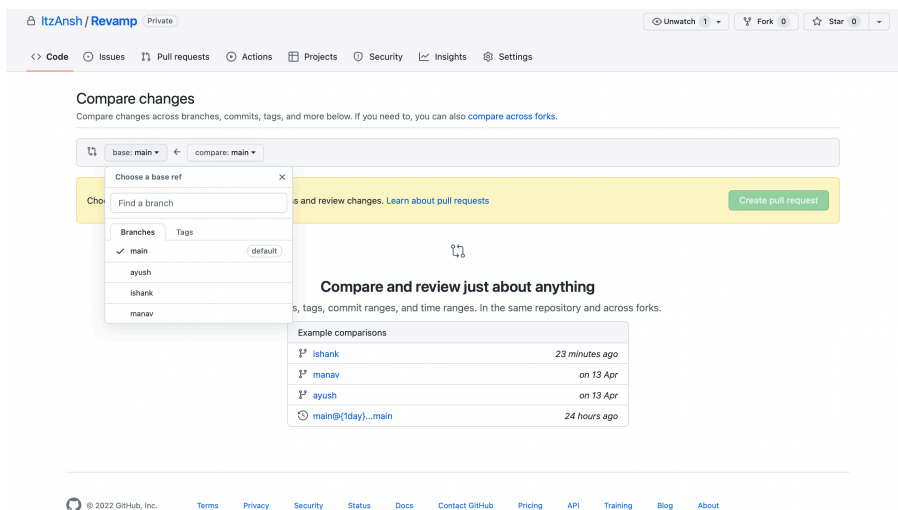
Step-2: In order to check changes, we need to compare 2 branches so,

- Go to your GitHub repository

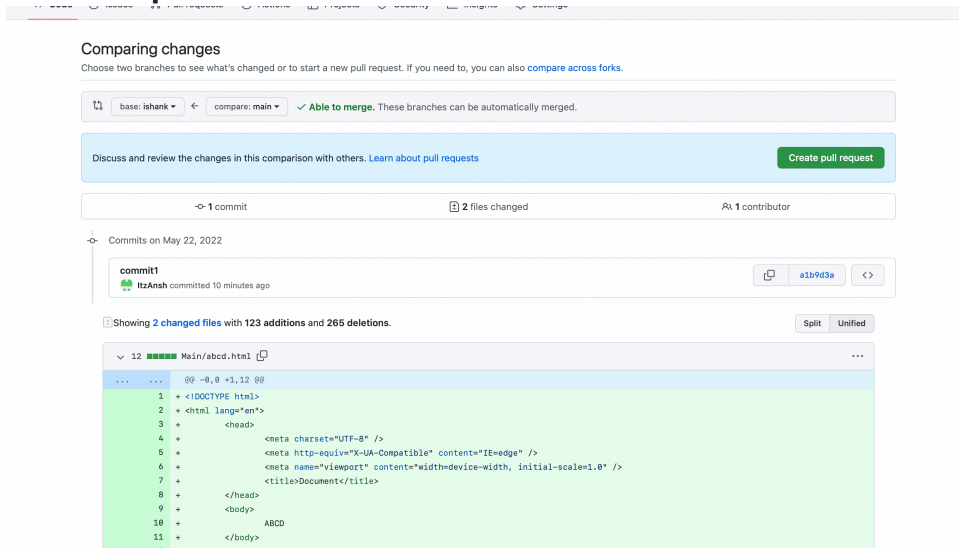
- Go to pull request section



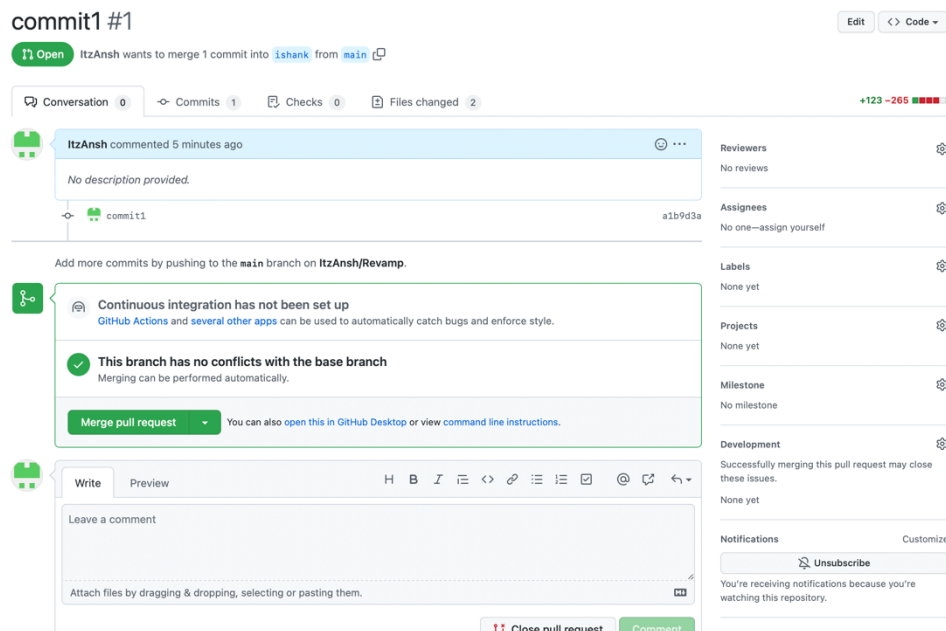
- Click on New pull request and select 2 branches to compare



- After selecting to branches to compare the changes u want according to your need and click on create pull request

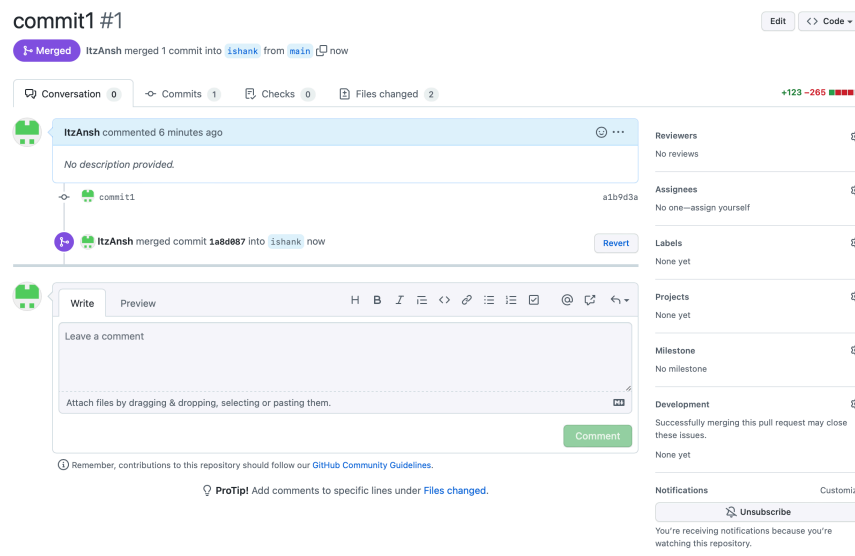


- Check for all the conflicts, resolve them and merge to close the pull request

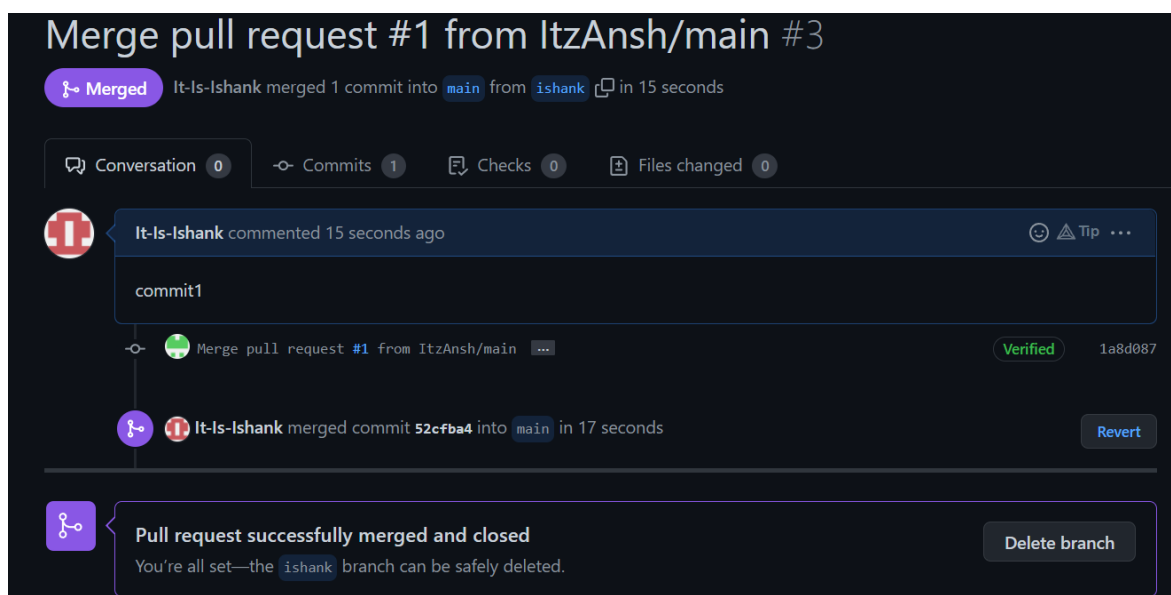


3. Each project member shall create a pull request on a team members repo and close pull requests generated by team members on own Repo as a maintainer.

Ansh:



Ishank:



Manav:

Commit #2 Edit <> Code

Merged Manav-Shandilya merged 3 commits into `manav` from `main` 29 minutes ago

Conversation 0 Commits 3 Checks 0 Files changed 103 +800 -4,093

Manav-Shandilya commented 30 minutes ago Tip

No description provided.

It-Is-Ishank and others added 3 commits 1 hour ago

- abcd 2e498d7
- psuh 5b9a8a8
- commit1 a1b9d3a

Manav-Shandilya merged commit 4d15525 into `manav` 29 minutes ago Revert

Reviewers
No reviews

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone

Ayush:

commit #4

Merged ayushvats1227 merged 5 commits into `ayush` from `main` 23 minutes ago

Conversation 0 Commits 5 Checks 0 Files changed 103

ayushvats1227 commented 23 minutes ago Tip

No description provided.

It-Is-Ishank and others added 5 commits 1 hour ago

- abcd 2e498d7
- psuh 5b9a8a8
- commit1 a1b9d3a
- Merge pull request #1 from ItzAnsh/main Verified 1a8d087
- Merge pull request #3 from ItzAnsh/ishank Verified 52cfba4

ayushvats1227 merged commit c4c57d2 into `ayush` 23 minutes ago Revert

4. Network Graphs

The network graph is one of the useful features for developers on GitHub. It is used to display the branch history of the entire repository network, including branches of the root repository and branches of forks that contain commits unique to the network.

```
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % git log --all --decorate --oneline --graph
*   c4c57d2 (origin/ayush, ayush) Merge pull request #4 from ItzAnsh/main
|
| *   52cfba4 (origin/main) Merge pull request #3 from ItzAnsh/ishank
| |
| | *   1a8d087 (origin/ishank, ishank) Merge pull request #1 from ItzAnsh/main
| | |
| | | /
| | | /
| | | *   4d15525 (origin/manav, manav) Merge pull request #2 from ItzAnsh/main
| | | _/
| | | /
| | | /
| | *   a1b9d3a (HEAD -> main) commit1
| | /
| | *   5b9a8a8 psuh
| | *   2e498d7 abcd
| | /
| *   47e8217 Revert "ishank"
| *   535d87c ishank
| *   da1a6af Create settings.json
| *   a576064 Update index.html
| *   54694d2 c
[(base) anshbhasin@Anshs-MacBook-Pro Revamp % ]
```