

## Git Practical

GitHub repository link: " [https://github.com/kishan-lad-simform/demo\\_project](https://github.com/kishan-lad-simform/demo_project) "

Create one repository for practical and provide the link of it for review.

Work on below points:

1. Pull and Merge difference

- Make example of pull request and two branch merge event.

2. Rebase

- Try to rebase feature branch with master branch

3. Change commit message

- Commit push on commit in feature branch and then change commit message

4. cherry pick

- Pick some commits from feature branch to master branch

5. Drop commit

- Remove some commit from feature branch.

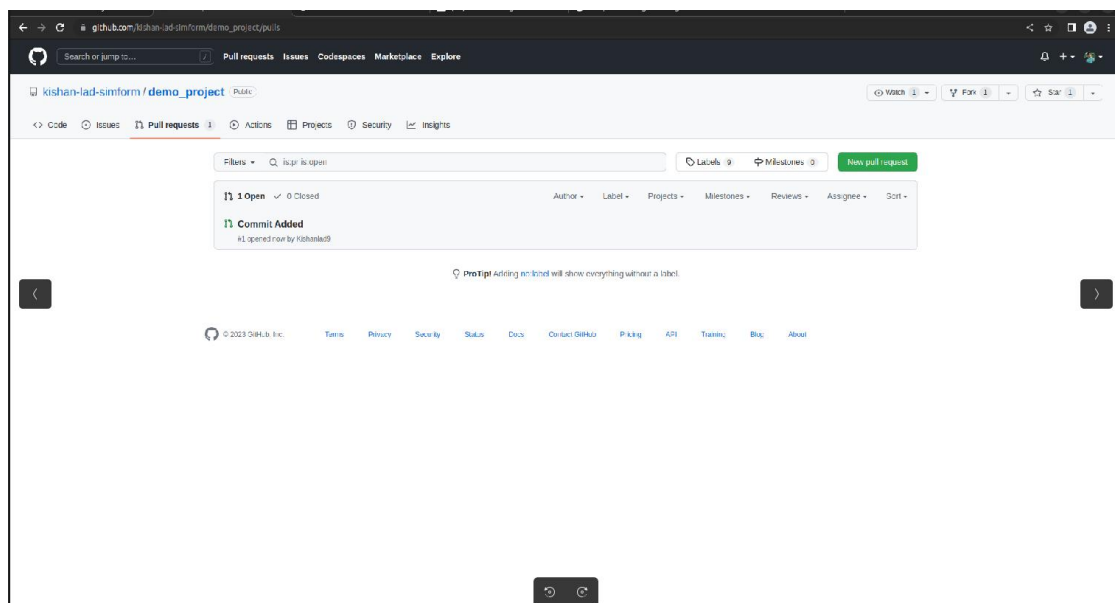
Creating repository(demo\_project) and adding content in master branch:

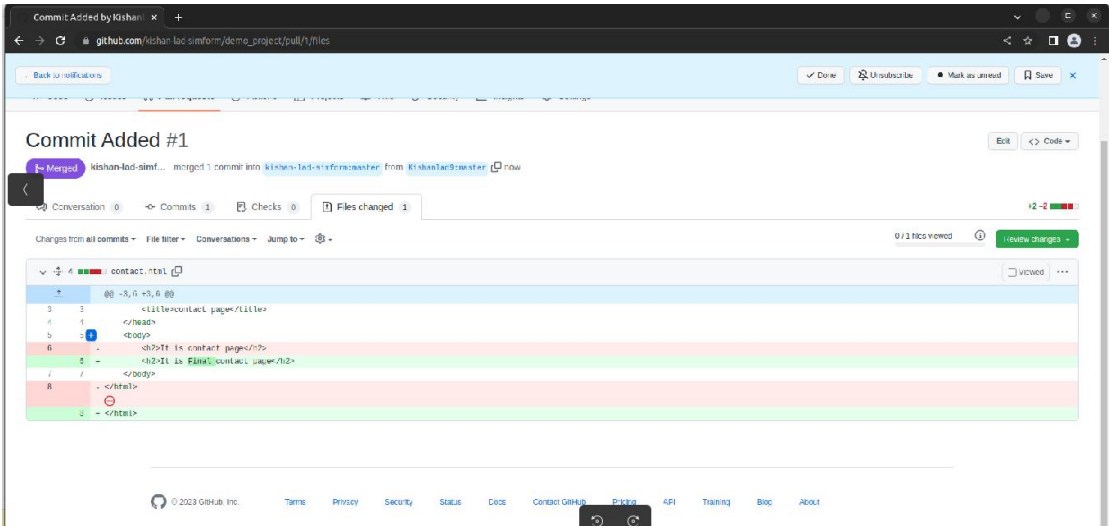
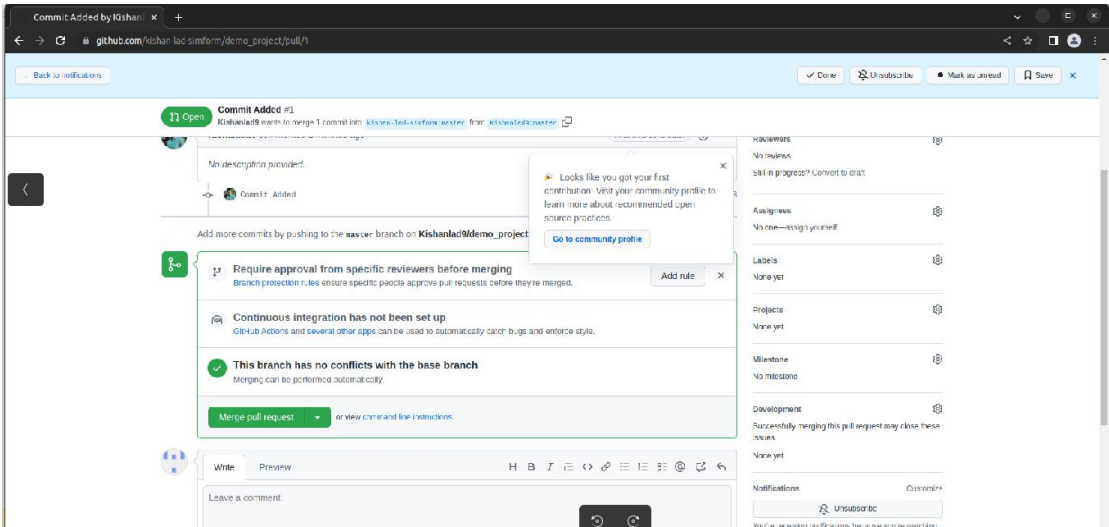
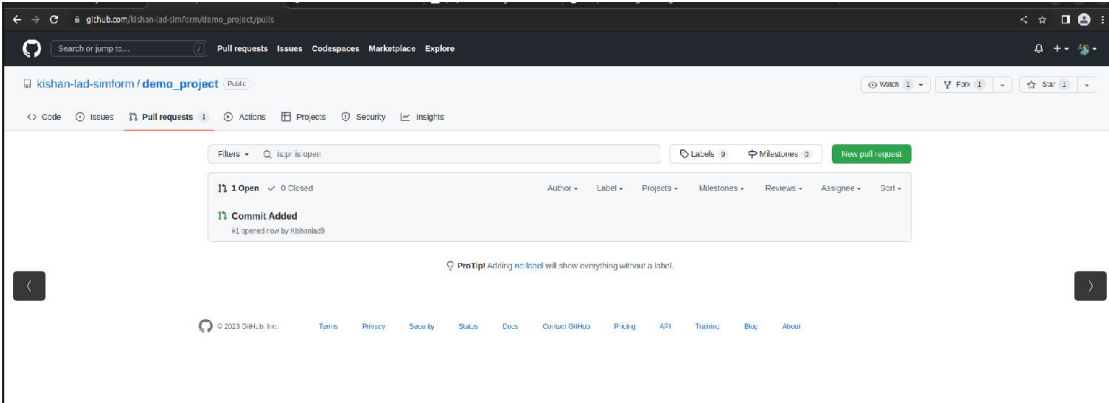
```
kishan@sf-cpu-556:~/Desktop/demo_project$ git add -A
kishan@sf-cpu-556:~/Desktop/demo_project$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   contact.html
        new file:   feedback.html
```

## 1.1 Pulling





## 1.2 Merge

- For merge I created one more branch(feature-demo\_project-TE7-T112-user-panel) and add two files in that.

```
Master
kishan@sf-cpu-556:~/Desktop/demo_project$ git checkout -b testing122
Switched to a new branch 'testing122'
kishan@sf-cpu-556:~/Desktop/demo_project$ git branch
  feature-demo_project-TE7-T112-test-panel
  feature-demo_project-TE7-T112-user-panel
  master
* testing122
```

```
kishan@sf-cpu-556:~/Desktop/demo_project$ git status
On branch feature-demo_project-TE7-T112-user-panel
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    merge.txt

nothing added to commit but untracked files present (use "git add" to track)
kishan@sf-cpu-556:~/Desktop/demo_project$ git add .
kishan@sf-cpu-556:~/Desktop/demo_project$ git commit -m "file mergeing"
[feature-demo_project-TE7-T112-user-panel 9c1e64e] file mergeing
 1 file changed, 1 insertion(+)
 create mode 100644 merge.txt
kishan@sf-cpu-556:~/Desktop/demo_project$ git checkout testing122
Switched to branch 'testing122'
kishan@sf-cpu-556:~/Desktop/demo_project$ git merge feature-demo_project-TE7-T112-user-panel
Merge made by the 'ort' strategy.
 merge.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 merge.txt
```

```
kishan@sf-cpu-556:~/Desktop/demo_project$ git log
commit eb754bd5f4575314b2ef4c291cc33fb8e828cc50 (HEAD -> testing122)
Merge: 0adc1fe 9c1e64e
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 17:19:52 2023 +0530

    Merge branch 'feature-demo_project-TE7-T112-user-panel' into testing122
```

## 2. Rebase

```
kishan@sf-cpu-556: ~/Desktop/demo_project$ git branch
* master
feature-demo_project-TE7-T112-user-panel
kishan@sf-cpu-556:~/Desktop/demo_project$ git checkout feature-demo_project-TE7-T112-user-panel
Switched to branch 'feature-demo_project-TE7-T112-user-panel'
kishan@sf-cpu-556:~/Desktop/demo_project$ git log
commit 313bf53a0941c1532ec25311954f785bde14cb83 (HEAD -> feature-demo_project-TE7-T112-user-panel, origin/master, origin/feature-demo_project-TE7-T112-user-panel, mas
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:45:54 2023 +0530

    TE7-T112 : demo_project(user-panel) : Feat : updating registration & profile page

commit 132a2e1a11afdd2647b3a47861c1e16e9ce76c9
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:42:21 2023 +0530

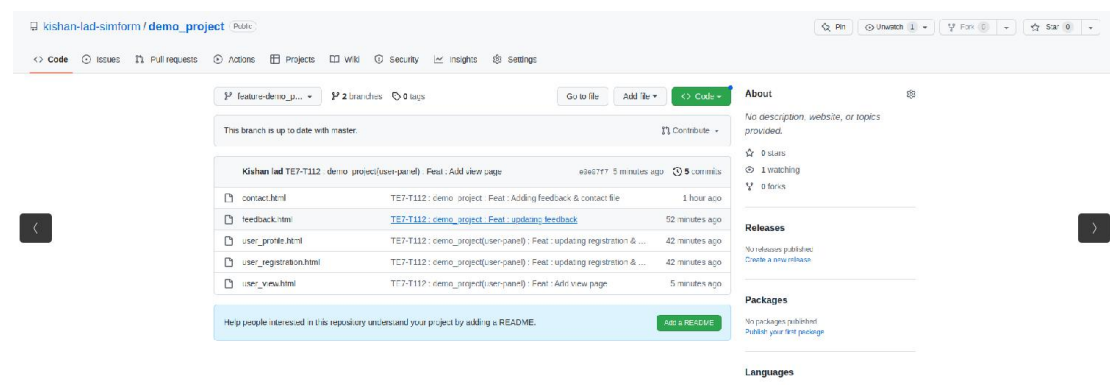
    TE7-T112 : demo_project(user-panel) : Feat : Adding registration page

commit c60d78be615887d2a577642d3a08512028cae9d4
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:35:44 2023 +0530

    TE7-T112 : demo_project : Feat : updating feedback

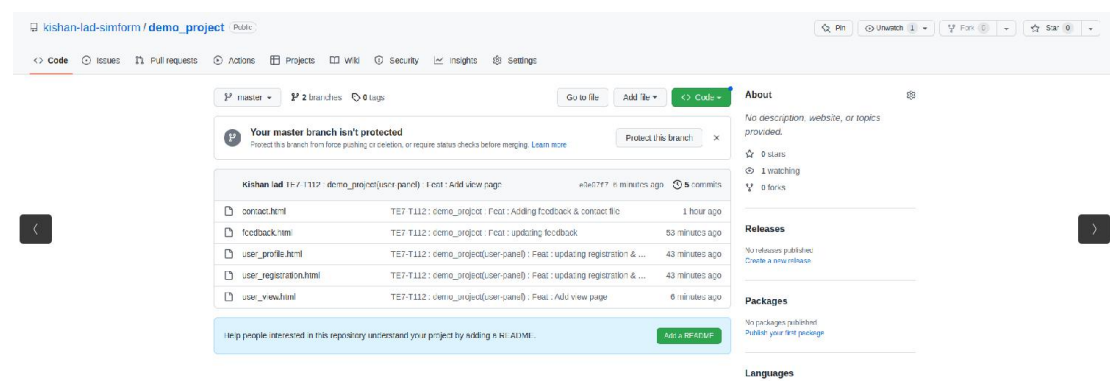
commit 26ac6f89896b7abedc35ce049b7f4793cc7ad382
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:28:23 2023 +0530

    TE7-T112 : demo_project : Feat : Adding feedback & contact file
```



here, i modify user\_view.html file for rebase

```
kishan@sf-cpu-556:~/Desktop/demo_project$ git checkout master
Switched to branch 'master'
kishan@sf-cpu-556:~/Desktop/demo_project$ git rebase feature-demo_project-TE7-T112-user-panel
Successfully rebased and updated refs/heads/master.
kishan@sf-cpu-556:~/Desktop/demo_project$ ls
contact.html feedback.html user_profile.html user_registration.html user_view.html
kishan@sf-cpu-556:~/Desktop/demo_project$ git push origin master
Username for 'https://github.com': ghp_ZZ042HMSBwnjf3oruUtrpErxavyQM0JZuhl
Password for 'https://ghp_ZZ042HMSBwnjf3oruUtrpErxavyQM0JZuhl@github.com':
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/kishan-lad-simform/demo_project.git
313bf53..e0e97f7 master -> master
```



### 3. Change Commit Message

```
kishan@sf-cpu-556:~/Desktop/demo_project$ git log
commit e0e07f7e4d997d302c5f6e4b9e287eb74d1143 (HEAD -> feature-demo_project-TE7-T112-user-panel, origin/master, origin/feature-demo_project-TE7-T112-user-panel, master)
Date: Tue Jan 10 16:23:09 2023 +0530

    TE7-T112 : demo_project(user-panel) : Feat : Add view page

commit 313bf53d4941c1532ec25311954f785bde14cbd3
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:45:54 2023 +0530

    TE7-T112 : demo_project(user-panel) : Feat : updating registration & profile page

commit 132a2e1a11afdd2647b3a47861c1e166e9ce76c9
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:42:21 2023 +0530

    TE7-T112 : demo_project(user-panel) : Feat : Adding registration page

commit c60d78be615887d2a577642d3a08512028cae9d4
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:35:44 2023 +0530

    TE7-T112 : demo_project : Feat : updating feedback

commit 26acsf09896b7abedc35ce049b7f4792cc7ad382
Author: Kishan lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 15:28:23 2023 +0530

    TE7-T112 : demo_project : Feat : Adding feedback & contact file
kishan@sf-cpu-556:~/Desktop/demo_project$ git commit --amend -m "TE7-T112 : demo_project(user-panel) : Feat : update view page"
(feature-demo_project-TE7-T112-user-panel b38eb8f) TE7-T112 : demo_project(user-panel) : Feat : update view page
Date: Tue Jan 10 16:23:09 2023 +0530
1 file changed, 9 insertions(+)
create mode 100644 user_view.html
```

```
kishan@sf-cpu-556:~/Desktop/demo_project$ git push -f origin feature-demo_project-TE7-T112-user-panel
Username for 'https://github.com': ghp_ZZ042HMSBwmjf3oruUtrpErxavyQM00JZuHl
Password for 'https://ghp_ZZ042HMSBwmjf3oruUtrpErxavyQM00JZuHl@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 319 bytes | 319.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/kishan-lad-simform/demo_project.git
+ e0e07f7...b38eb8f feature-demo_project-TE7-T112-user-panel -> feature-demo_project-TE7-T112-user-panel (forced update)
```

- After change commit we push in remote repository



#### 4. cherry pick

```
kishan@sf-cpu-556:~/Desktop/demo_project$ git log
commit 0adc1fec0af1a27b319470896f26162c2428df84 (HEAD -> feature-demo_project-TE7-T112-test-panel, origin/feature-demo_project-TE7-T112-test-panel)
Author: Kishan lad <kishan.l@sinformsolution.com>
Date: Tue Jan 10 16:50:04 2023 +0530

    TE7-T112 : demo_project(test-panel) : Feat :Final updating testpage1

commit 77313648234d9213fc3fc6c1d3a53508b90d501a
Author: Kishan lad <kishan.l@sinformsolution.com>
Date: Tue Jan 10 16:48:56 2023 +0530

    TE7-T112 : demo_project(test-panel) : Feat : updating testpage1

commit ae68965fffb0aca080bab8e7a28ed35c7aa899d50
Author: Kishan lad <kishan.l@sinformsolution.com>
Date: Tue Jan 10 16:45:56 2023 +0530

    E7-T112 : demo_project(test-panel) : Feat : Adding testpage1
```

```
kishan@sf-cpu-556:~/Desktop/demo_project$ git branch
  feature-demo_project-TE7-T112-test-panel
  feature-demo_project-TE7-T112-user-panel
* master
kishan@sf-cpu-556:~/Desktop/demo_project$ git cherry-pick ae68965fffb0aca080bab8e7a28ed35c7aa899d50
[master 8ea7a36] E7-T112 : demo_project(test-panel) : Feat : Adding testpage1
Date: Tue Jan 10 16:45:56 2023 +0530
1 file changed, 9 insertions(+)
create mode 100644 test1.html
```

## 5. Drop Commit

- before drop commit

```
kishan@sf-cpu-556: ~/Desktop/demo_project$ git log
commit 58b2b77dd16fcb14ee80bf5ae09aa6ff1d53f20d (HEAD -> feature-demo_project-TE7-T112-test-panel, origin/feature-demo_project-TE7-T112-test-panel)
Author: Kishan Lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 17:38:59 2023 +0530

    TE7-T112 : demo_project(test-panel) : Feat :Adding testpage2

commit 0adc1fec6af1a2fb319470896f26162c2428df84
Author: Kishan Lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 16:50:04 2023 +0530

    TE7-T112 : demo_project(test-panel) : Feat :Final updating testpage1

commit 77313648234d9213fc3fc6c1d3a53508b90d501a
Author: Kishan Lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 16:48:56 2023 +0530

    TE7-T112 : demo_project(test-panel) : Feat : updating testpage1

commit ae68965fffb0aca080bab8e7a28ed35c7aa899d50
Author: Kishan Lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 16:45:56 2023 +0530

    E7-T112 : demo_project(test-panel) : Feat : Adding testpage1
```

-After drop commit

```
kishan@sf-cpu-556: ~/Desktop/demo_project$ git reset HEAD~1
kishan@sf-cpu-556: ~/Desktop/demo_project$ git status
On branch feature-demo_project-TE7-T112-test-panel
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    test2.html

nothing added to commit but untracked files present (use "git add" to track)
kishan@sf-cpu-556: ~/Desktop/demo_project$ git log
commit 0adc1fec6af1a2fb319470896f26162c2428df84 (HEAD -> feature-demo_project-TE7-T112-test-panel)
Author: Kishan Lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 16:50:04 2023 +0530

    TE7-T112 : demo_project(test-panel) : Feat :Final updating testpage1

commit 77313648234d9213fc3fc6c1d3a53508b90d501a
Author: Kishan Lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 16:48:56 2023 +0530

    TE7-T112 : demo_project(test-panel) : Feat : updating testpage1

commit ae68965fffb0aca080bab8e7a28ed35c7aa899d50
Author: Kishan Lad <kishan.l@simformsolution.com>
Date: Tue Jan 10 16:45:56 2023 +0530

    E7-T112 : demo_project(test-panel) : Feat : Adding testpage1
```