

 VIT Vidyalankar Institute of Technology ACCREDITED A+ BY NAAC	Department of Information Technology
--	---

Semester	T.E. Semester VI – INFT
Subject	DevOps Labs
Laboratory Teacher:	Bushra Shaikh
Laboratory	-

Student Name	PAVAN KUMAR FASALE
Roll Number	22101A0045
Grade and Subject Teacher's Signature	

Experiment Number	2
Experiment Title	To Perform Code Collaboration of TE Mini Project using GIT workflow
Problem Statement	TechCo's development team is collaborating on a new feature for their application. However, multiple developers are working on the same parts of the codebase, causing merge conflicts, inconsistent commits, and errors in version control. The team struggles to manage branches effectively and maintain a clean history. The current workflow relies heavily on manual processes, making it difficult to track and resolve issues efficiently.
Resources / Apparatus Required	Hardware: Desktop/Laptop Software:

Theory :	<ul style="list-style-type: none"> · Set up a Git repository for a project (either create a new project or use an existing one).
----------	---

	<ul style="list-style-type: none"> · Collaborate with a team member by creating multiple branches for different features. · Implement the following: <ul style="list-style-type: none"> • Create a feature branch and make changes to the code. • Push changes to the remote repository. • Use a Git cheat sheet to commit, merge branches, and resolve conflicts. • Create a pull request (PR) and ensure code review processes are followed.
--	---

Output: Team Members:
PAVAN KUMAR FASALE (22101A0045)
Bhagyoday Bade (22101A0075)

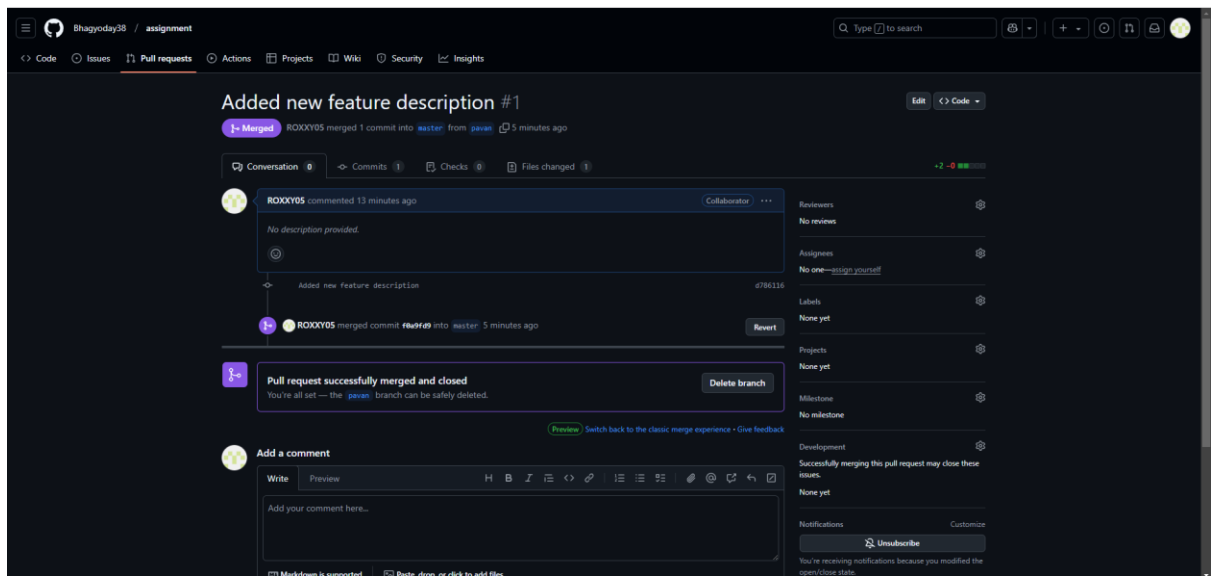
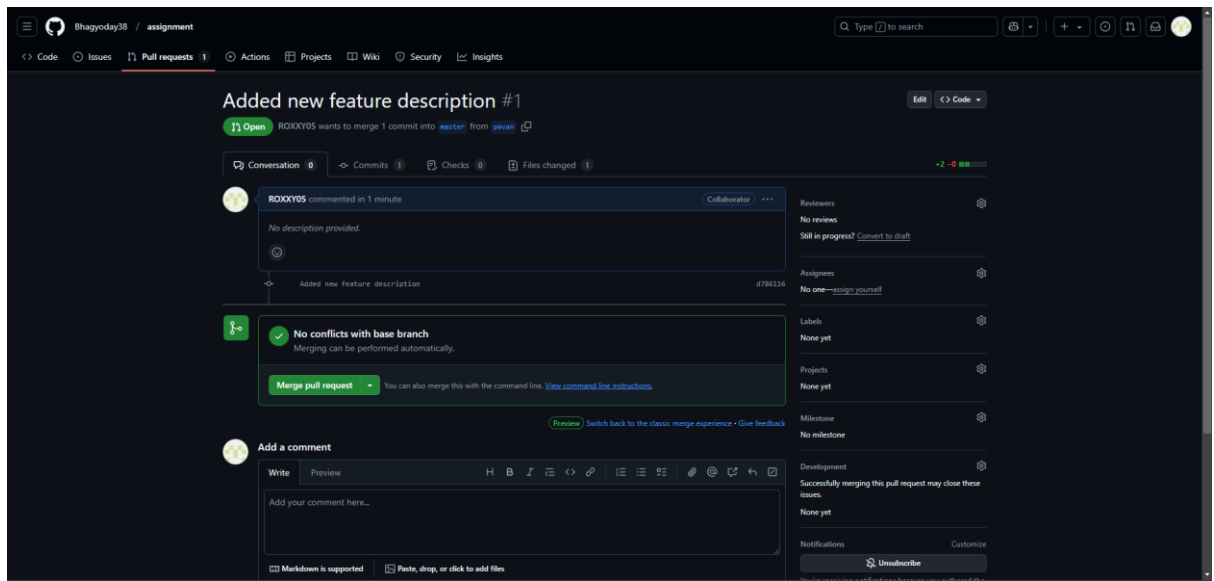
```
MINORSA/Client/Naveen/assignment
NaveenLAPTOP-GB8QKCTT MINGW64 ~
$ git clone https://github.com/Bhagyoday38/assignment.git
Cloning into 'assignment'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
NaveenLAPTOP-GB8QKCTT MINGW64 ~
$ cd pavan
bash: cd: pavan: No such file or directory
NaveenLAPTOP-GB8QKCTT MINGW64 ~
$ git checkout -b pavan
fatal: not a git repository (or any of the parent directories): .git
NaveenLAPTOP-GB8QKCTT MINGW64 ~
$ ^C
NaveenLAPTOP-GB8QKCTT MINGW64 ~
$ ^C
NaveenLAPTOP-GB8QKCTT MINGW64 ~
$ ^C
NaveenLAPTOP-GB8QKCTT MINGW64 ~
$ cd assignment
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (master)
$ git checkout -b pavan
Switched to a new branch 'pavan'
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ echo "New feature description" >> README.md
git commit -m "Added new feature description"
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
Author identity unknown

*** Please tell me who you are.

Run

git config --global user.email "you@example.com"
git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.
fatal: unable to auto-detect email address (git 'NaveenLAPTOP-GB8QKCTT (none)')
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ ^C
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ git config --global user.name "PavanKumar"
git config --global user.email "w1dpavans@gmail.com"
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ git config --global user.name "PavanKumar"
git config --global user.email "w1dpavans@gmail.com"
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ echo "New feature description" >> README.md
git add README.md
git commit -m "Added new feature description"
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time git touches it
3 files changed, 2 insertions(+)
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ git push origin pavan
info: please complete authentication in your browser...
remote: Permission to Bhagyoday38/assignment.git denied to ROXXVOS.
fatal: unable to access 'https://github.com/Bhagyoday38/assignment.git/': The requested URL returned error: 403
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ git push origin pavan
info: please complete authentication in your browser...
remote: Permission to Bhagyoday38/assignment.git denied to ROXXVOS.
fatal: unable to access 'https://github.com/Bhagyoday38/assignment.git/': The requested URL returned error: 403
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ git push origin pavan
info: please complete authentication in your browser...
remote: Permission to Bhagyoday38/assignment.git denied to ROXXVOS.
fatal: unable to access 'https://github.com/Bhagyoday38/assignment.git/': The requested URL returned error: 403
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ ^C
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ git push origin pavan
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 32 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Create a pull request for 'pavan' on GitHub by visiting:
remote:   https://github.com/Bhagyoday38/assignment/pull/new/pavan
remote:
To https://github.com/Bhagyoday38/assignment.git
 * [new branch]      pavan -> pavan
NaveenLAPTOP-GB8QKCTT MINGW64 ~/assignment (pavan)
$ |
```



Commit f0a9fd9 Preview Give feedback Browse files

ROXXY05 authored 12 minutes ago Verified

Merge pull request #1 from Bhagyoday38/pavan

Added new feature description

master (#1) 2 parents 2a70044 + d786116 commit f0a9fd9

Filter files... + - + -

README.md

1 file changed +2 -0 lines changed

Search within code

... @@ -1,3 @@

```
1 1 "Project"
```

```
2 + New feature description
```

```
3 + New feature description
```

Comments 0 Lock conversation

Comment

Unsubscribe You're receiving notifications because you're subscribed to this thread.

Commit History:

Branches New branch

Overview Yours Active Stale All

Search branches...

Branch	Updated	Check status	Behind	Ahead	Pull request
main	13 minutes ago		1	0	...
pavan	24 minutes ago		1	0	#1 ...

Repository Link: <https://github.com/Bhagyoday38/assignment.git>

