

Git and GitHub Practical Exam Team_04

Name: Arifur Rahman (Team Leader)

BJET ID: 24

Tasks for the Group Leader (with support from group members):

1. GitHub Repository Creation:

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk ().*

Repository template

No template

Start your repository with a template repository's contents.

Owner * **Repository name ***

arif-rahman-cse / group_4

group_4 is available.

Great repository names are short and memorable. Need inspiration? How about [redesigned-carnival](#)?

Description (optional)

Public
Anyone on the internet can see this repository. You choose who can commit.

Private
You choose who can see and commit to this repository.

Initialize this repository with:

☐ Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: None

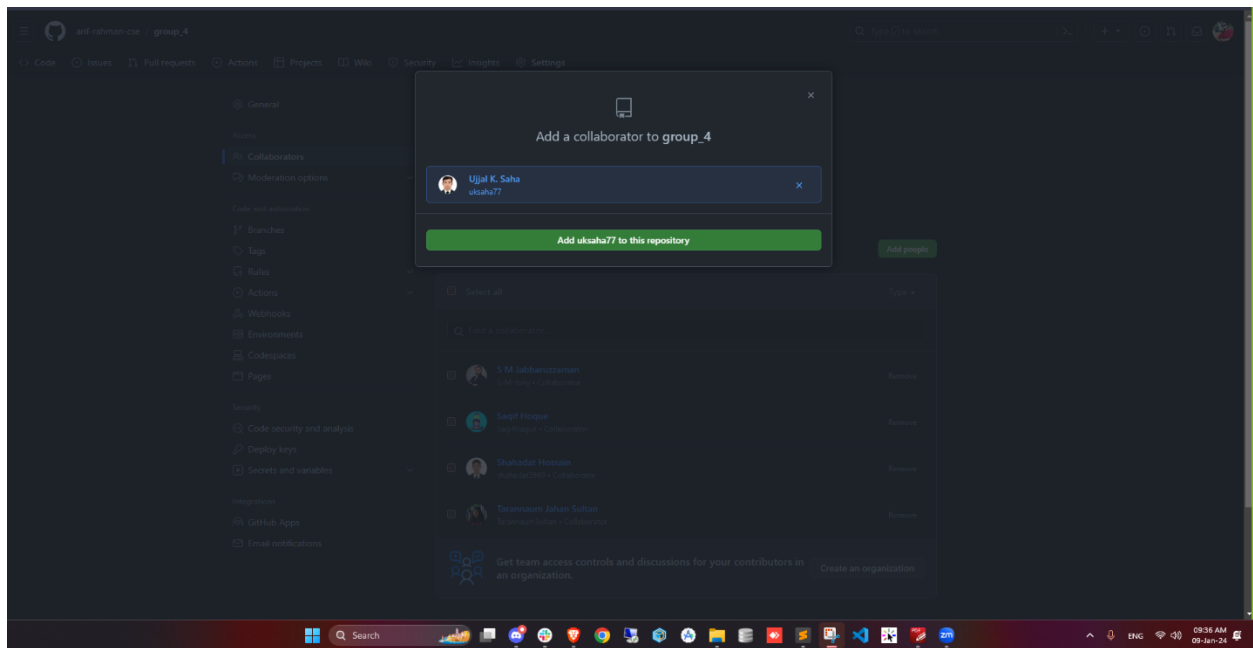
A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

☒ You are creating a public repository in your personal account.

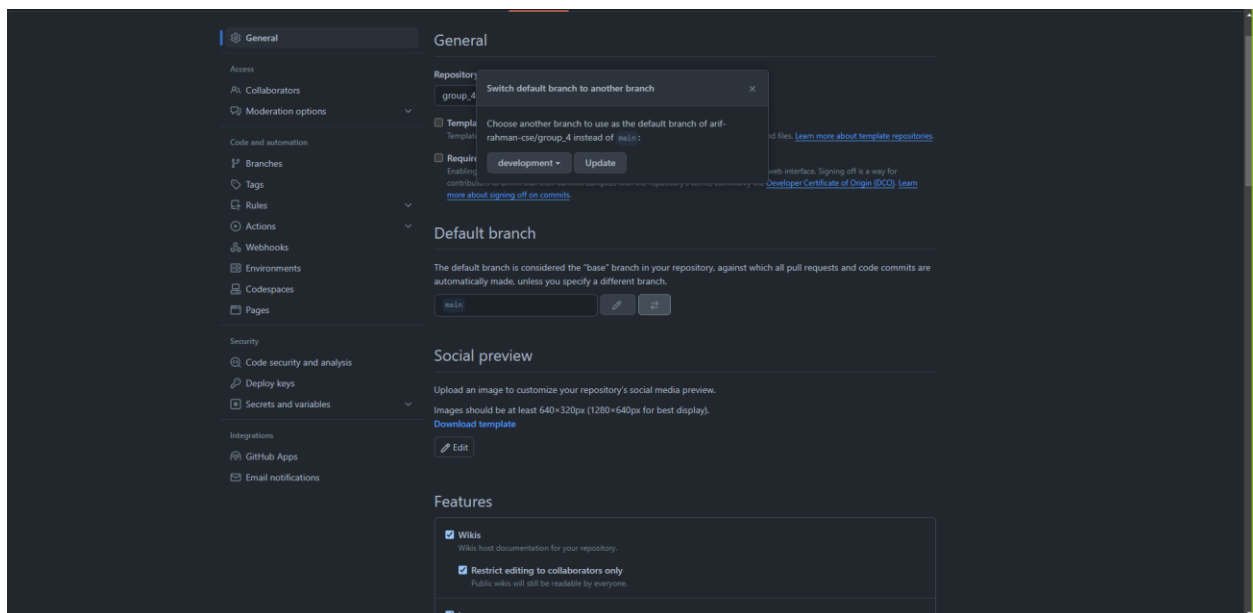
Create repository

© 2024 GitHub, Inc. [Terms](#) [Privacy](#) [Security](#) [Status](#) [Docs](#) [Contact](#) [Manage cookies](#) [Do not share my personal information](#)

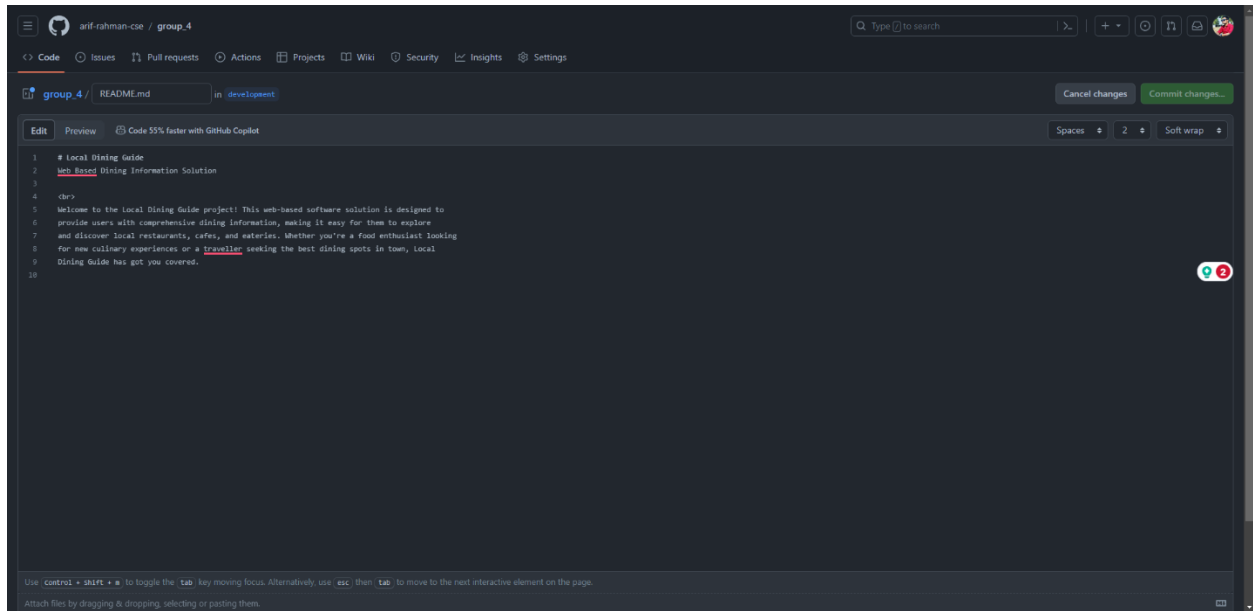
2. Collaborator Addition:



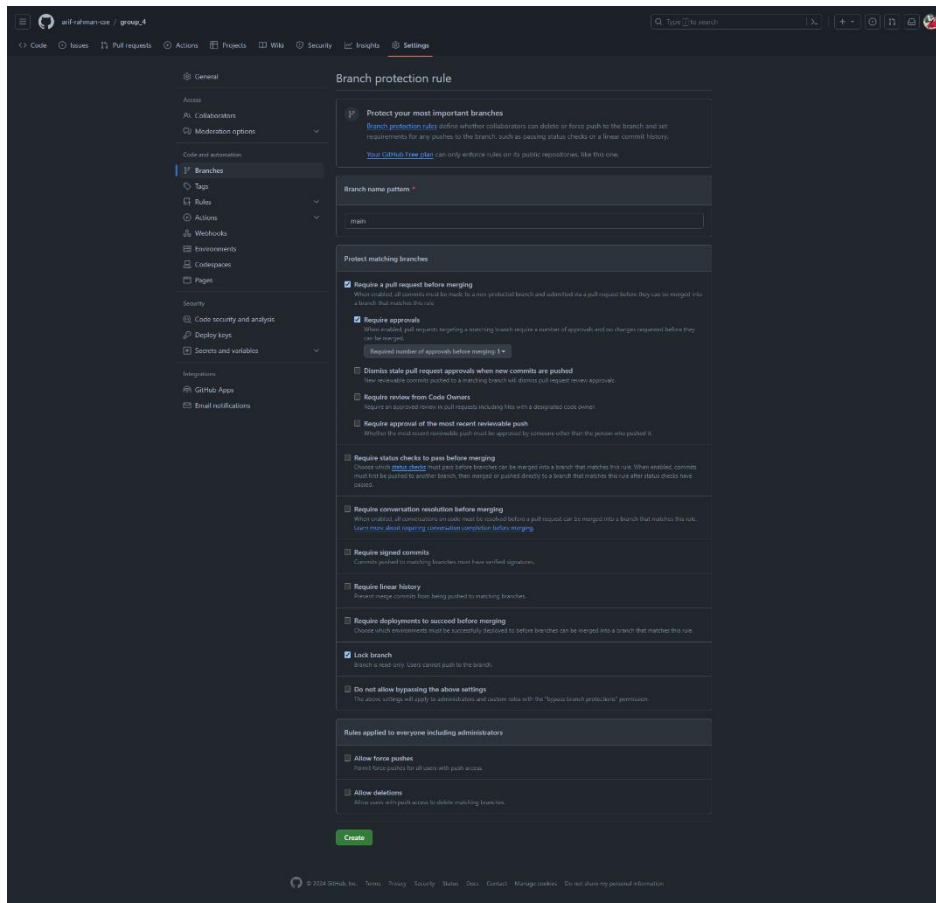
3. Development Branch Creation



4. Remote README file Update

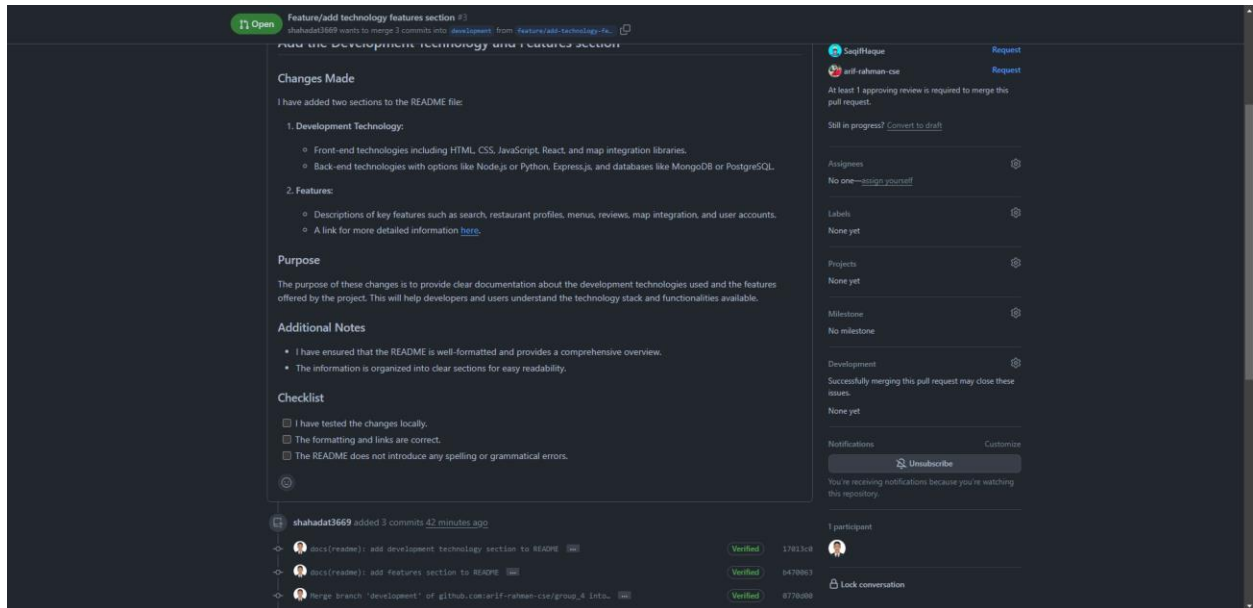


5. Branch Protection



6. Immediate Merge

Merge each team member pull request.

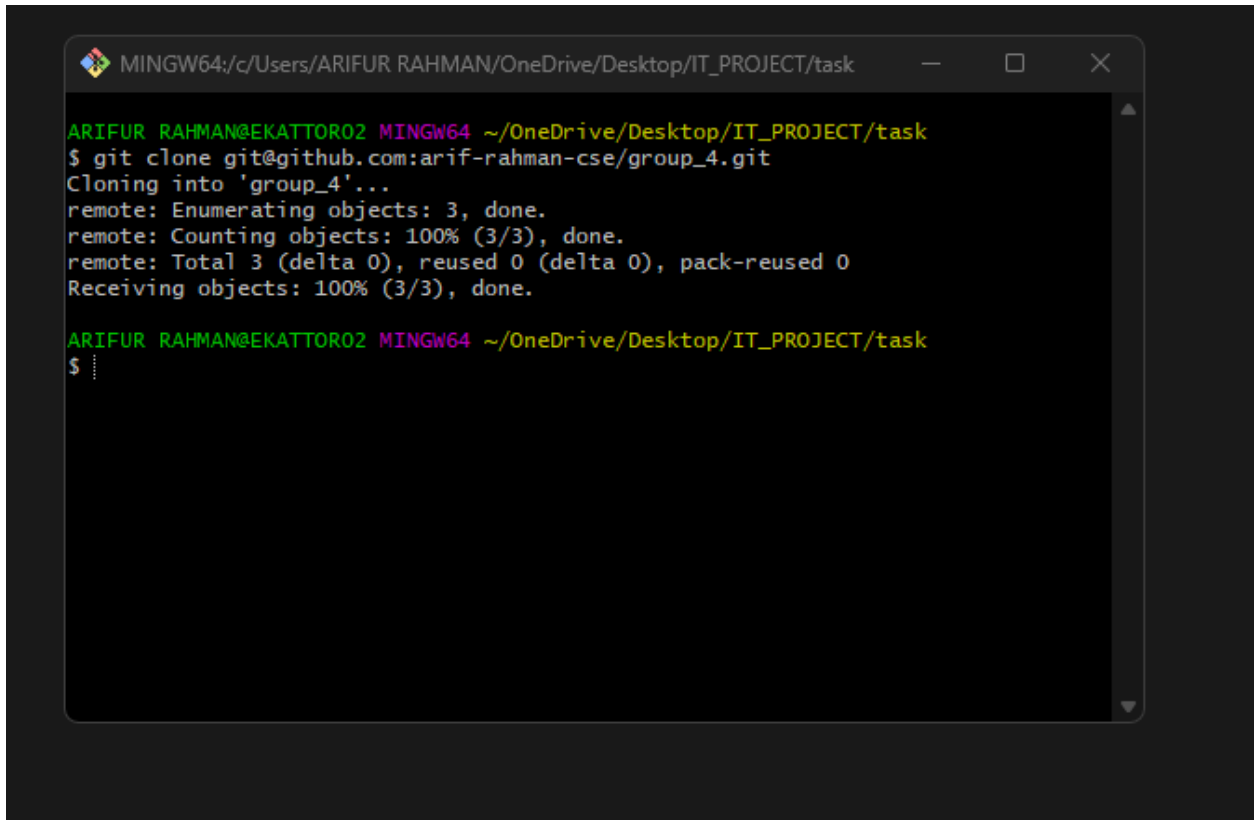


7. Final Integration:

Finally create a pull request from development branch to main branch.

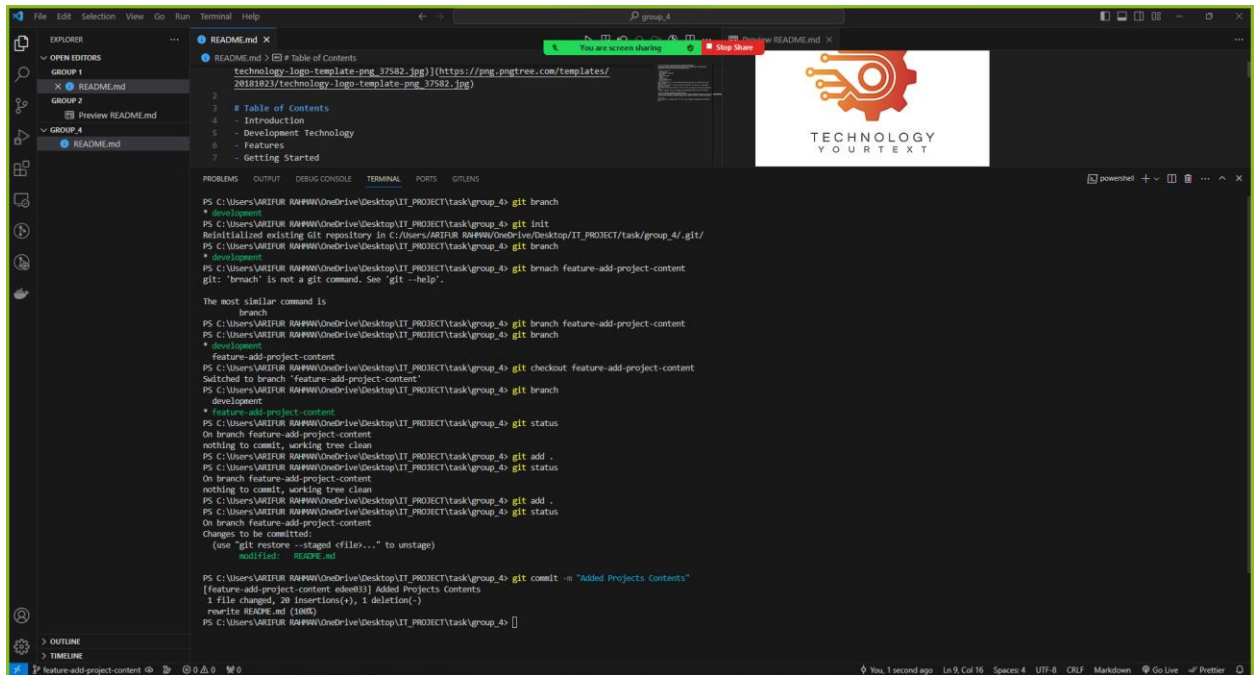
Individual Tasks for Each Trainee/Group Member:

1. **Repository Cloning:** Clone your group's GitHub repository to your local environment using SSH key.

A screenshot of a terminal window with a dark background. The window title bar shows the path "MINGW64:/c/Users/ARIFUR RAHMAN/OneDrive/Desktop/IT_PROJECT/task". The terminal text shows a user named "ARIFUR RAHMAN@EKATTOR02" in a "MINGW64" environment at the path "~/OneDrive/Desktop/IT_PROJECT/task". The user enters the command "\$ git clone git@github.com:arif-rahman-cse/group_4.git". The output shows the cloning process: "Cloning into 'group_4'...", "remote: Enumerating objects: 3, done.", "remote: Counting objects: 100% (3/3), done.", "remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0", and "Receiving objects: 100% (3/3), done.". The prompt "\$" is shown again at the bottom.

```
MINGW64:/c/Users/ARIFUR RAHMAN/OneDrive/Desktop/IT_PROJECT/task
ARIFUR RAHMAN@EKATTOR02 MINGW64 ~/OneDrive/Desktop/IT_PROJECT/task
$ git clone git@github.com:arif-rahman-cse/group_4.git
Cloning into 'group_4'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
ARIFUR RAHMAN@EKATTOR02 MINGW64 ~/OneDrive/Desktop/IT_PROJECT/task
$
```

2. Local Branch Creation:

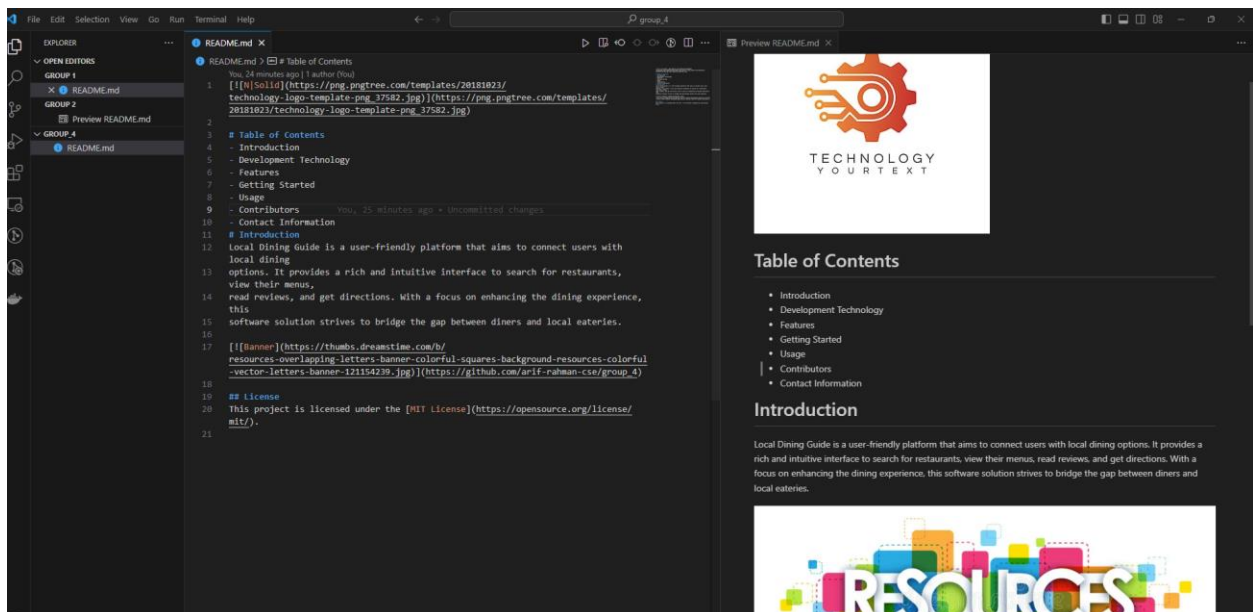


The screenshot shows the VS Code interface with a terminal window open. The terminal displays the following commands and their outputs:

```
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git branch
* development
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git init
Reinitialized existing Git repository in C:/Users/VAIFUR/OneDrive/Desktop/IT_PROJECT/task/group_4/.git/
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git branch
* development
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git brnach feature-add-project-content
git: 'brnach' is not a git command. See 'git --help'.

The most similar command is
branch
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git branch feature-add-project-content
* development
  feature-add-project-content
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git checkout feature-add-project-content
Switched to branch 'feature-add-project-content'
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git branch
* development
  feature-add-project-content
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git status
On branch feature-add-project-content
nothing to commit, working tree clean
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git add .
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git status
On branch feature-add-project-content
nothing to commit, working tree clean
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git add .
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git status
On branch feature-add-project-content
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4> git commit -m "Added Projects Contents"
[feature-add-project-content e0e0b33] Added Projects Contents
1 file changed, 20 insertions(+), 1 deletion(-)
 create README.md (new)
PS C:\Users\VAIFUR\OneDrive\Desktop\IT_PROJECT\task\group_4>
```

3. README Content Update:



The screenshot shows the VS Code interface with the README.md file open. The content of the README.md file is as follows:

```
1  [![Solid](https://png.pngtree.com/templates/20181023/technology-logo-template-png-37582.jpg)](https://png.pngtree.com/templates/20181023/technology-logo-template-png-37582.jpg)
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
15 [![Banner](https://thumbs.dreamstime.com/b/resources-overlapping-letters-banner-colorful-squares-background-resources-colorful-vector-letters-banner-121154239.jpg)](https://github.com/arif-rahan-cse/group_4)
16
17 ## License
18 This project is licensed under the [MIT License](https://opensource.org/licenses/mit/).
19
20
```

4. Commit:

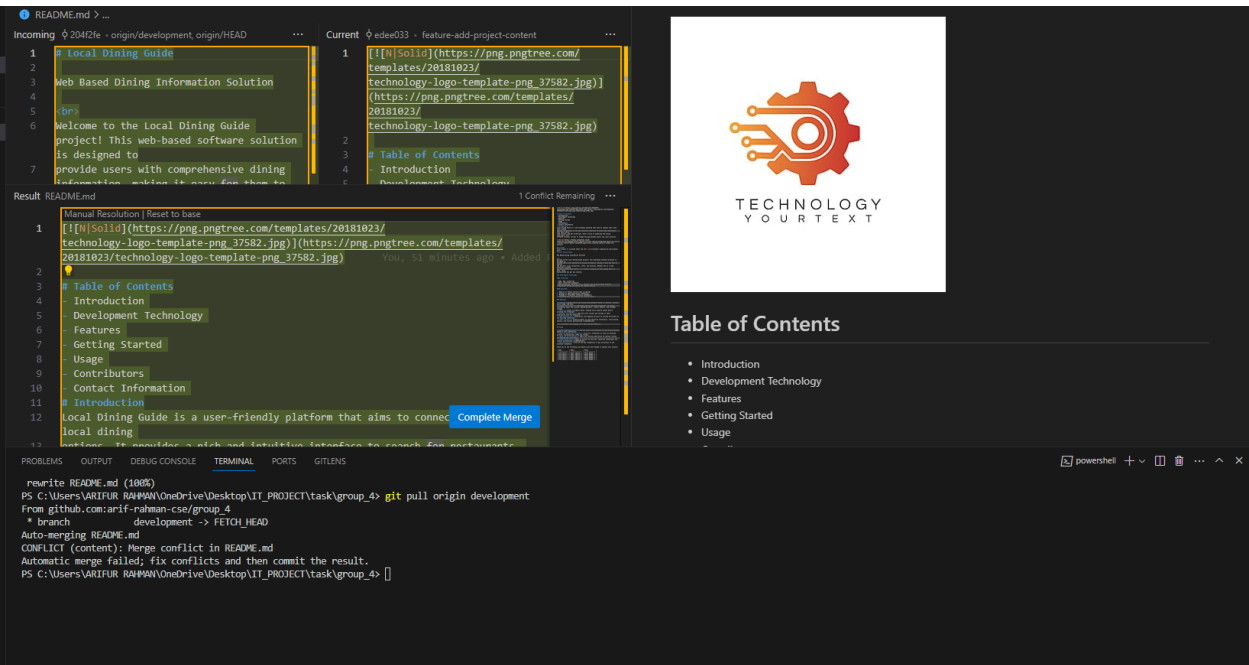
```
PS C:\Users\VARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git status
On branch feature-add-project-content
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

PS C:\Users\VARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git commit -m "Added Projects Contents"
[feature-add-project-content edee033] Added Projects Contents
 1 file changed, 20 insertions(+), 1 deletion(-)
 rewrite README.md (100%)
PS C:\Users\VARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git pull origin development
From github.com:arif-rahman-cse/group_4
 * branch                development -> FETCH_HEAD
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
PS C:\Users\VARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git push
fatal: The current branch feature-add-project-content has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin feature-add-project-content

PS C:\Users\VARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git push --set-upstream origin feature-add-project-content
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 20 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 1.14 KiB | 1.14 MiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
```

5. Merge Conflict:



The screenshot displays a Visual Studio Code editor with a merge conflict in the `README.md` file. The 'Incoming' branch (origin/development) shows a 'Local Dining Guide' section, while the 'Current' branch (feature-add-project-content) shows a 'Table of Contents' section. The conflict is resolved by keeping the 'Table of Contents' section. The terminal shows the git pull command and the resulting merge conflict.

Table of Contents

- Introduction
- Development Technology
- Features
- Getting Started
- Usage

```
rewrite README.md (100%)
PS C:\Users\VARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git pull origin development
From github.com:arif-rahman-cse/group_4
 * branch                development -> FETCH_HEAD
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
PS C:\Users\VARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4>
```

6. Push:

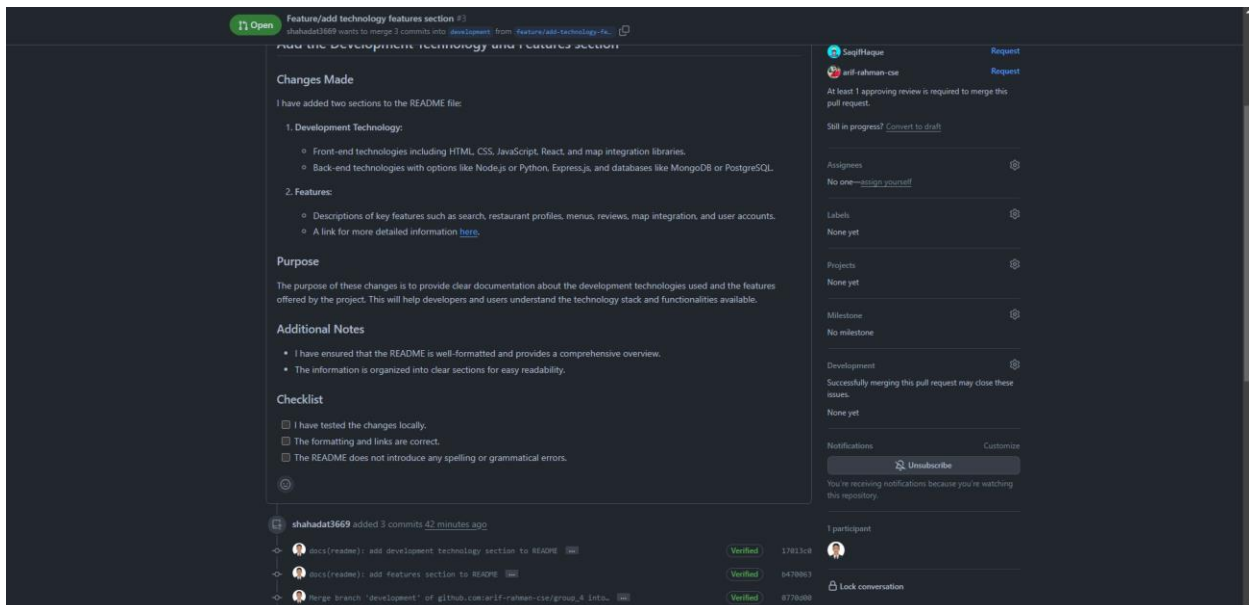
```
PS C:\Users\ARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git status
On branch feature-add-project-content
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

PS C:\Users\ARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git commit -m "Added Projects Contents"
[feature-add-project-content edee033] Added Projects Contents
 1 file changed, 20 insertions(+), 1 deletion(-)
 rewrite README.md (100%)
PS C:\Users\ARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git pull origin development
From github.com:arif-rahman-cse/group_4
 * branch                development -> FETCH_HEAD
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
PS C:\Users\ARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git push
fatal: The current branch feature-add-project-content has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin feature-add-project-content

PS C:\Users\ARIFUR RAHMAN\OneDrive\Desktop\IT_PROJECT\task\group_4> git push --set-upstream origin feature-add-project-content
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 20 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 1.14 KiB | 1.14 MiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
```

7. Pull request and Task Merge:



Feature/add technology features section #3
shahadat3669 wants to merge 3 commits into `development` from `feature-add-technology-fe...`

Changes Made
I have added two sections to the README file.

- Development Technology:**
 - Front-end technologies including HTML, CSS, JavaScript, React, and map integration libraries.
 - Back-end technologies with options like Node.js or Python, Express.js, and databases like MongoDB or PostgreSQL.
- Features:**
 - Descriptions of key features such as search, restaurant profiles, menus, reviews, map integration, and user accounts.
 - A link for more detailed information [here](#).

Purpose
The purpose of these changes is to provide clear documentation about the development technologies used and the features offered by the project. This will help developers and users understand the technology stack and functionalities available.

Additional Notes

- I have ensured that the README is well-formatted and provides a comprehensive overview.
- The information is organized into clear sections for easy readability.

Checklist

- ☐ I have tested the changes locally.
- ☐ The formatting and links are correct.
- ☐ The README does not introduce any spelling or grammatical errors.

Assignees
No one—[assign yourself](#)

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Successfully merging this pull request may close these issues.
None yet

Notifications
[Unsubscribe](#) [Customize](#)
You're receiving notifications because you're watching this repository.

Participants
1 participant

Lock conversation

Commits

- shahadat3669 added 3 commits 42 minutes ago
- docs(readme): add development technology section to README [Verified](#) 17813x8
- docs(readme): add features section to README [Verified](#) 04780x3
- Merge branch 'development' of github.com:arif-rahman-cse/group_4 into... [Verified](#) 0770x00

arif-rahman-cse / group_4

Q Type to search

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Feature/add technology features section #3

Merged

arif-rahman-cse merged 3 commits into development from feature/add-technology-features-section 1 hour

Conversation

Commits

Checks

Files changed

+43 -20

shahadat3669 commented 1 minute ago

Collaborator

Add the Development Technology and Features section

Changes Made

I have added two sections to the README file:

1. Development Technology:
 - Front-end technologies including HTML, CSS, JavaScript, React, and map integration libraries.
 - Back-end technologies with options like Node.js or Python, Express.js, and databases like MongoDB or PostgreSQL.
2. Features:
 - Descriptions of key features such as search, restaurant profiles, menus, reviews, map integration, and user accounts.
 - A link for more detailed information [here](#).

Purpose

The purpose of these changes is to provide clear documentation about the development technologies used and the features offered by the project. This will help developers and users understand the technology stack and functionalities available.

Additional Notes

- I have ensured that the README is well-formatted and provides a comprehensive overview.
- The information is organized into clear sections for easy readability.

Checklist

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

8.