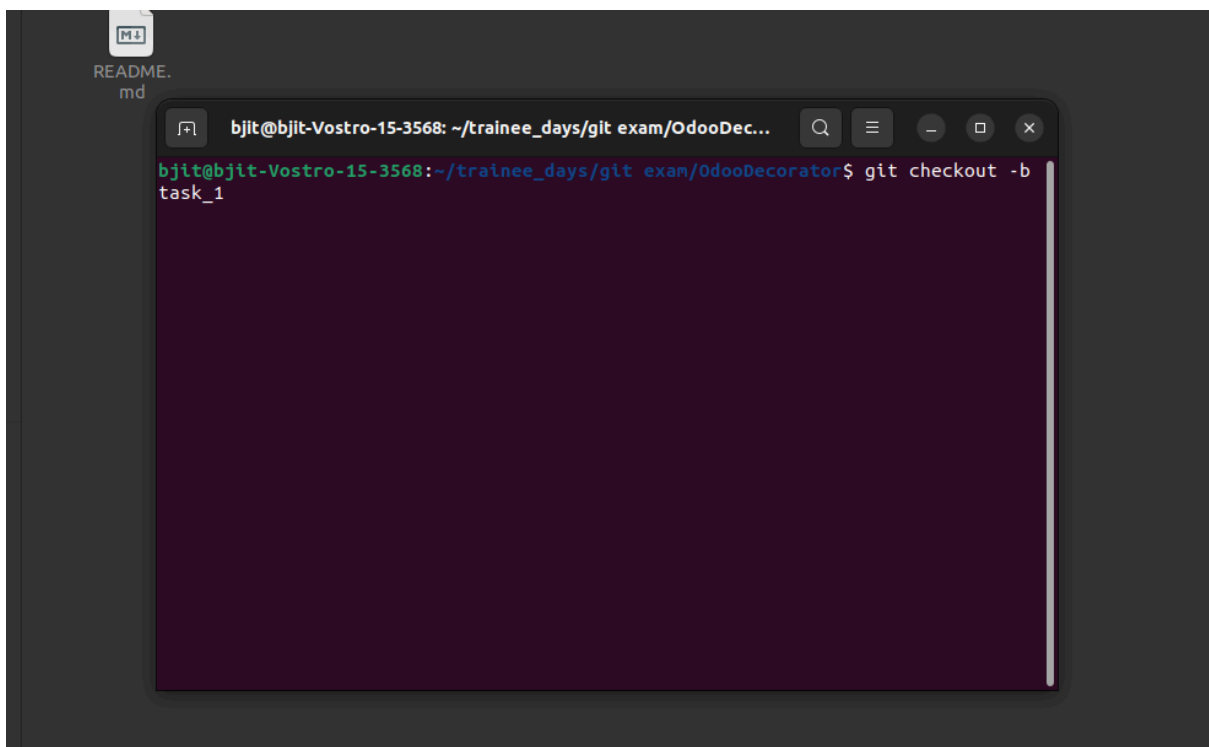


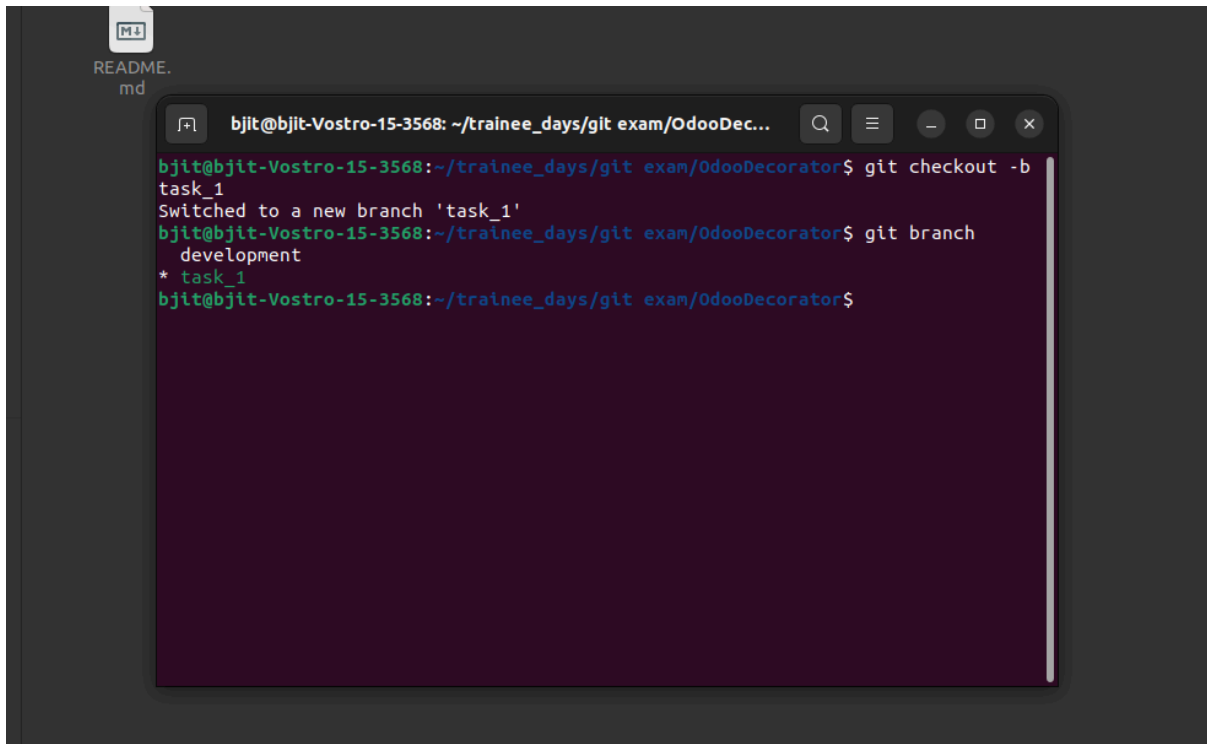
A terminal window titled "bjit@bjit-Vostro-15-3568: ~/trainee_days/git exam". The command entered is `git clone git@github.com:anup-ghosh-bjit/OdooDecorator.git`. The terminal has a dark purple background and a white cursor at the end of the command line.

Fig 1: Clone the repository



A terminal window titled "bjit@bjit-Vostro-15-3568: ~/trainee_days/git exam/OdooDec...". The command entered is `git checkout -b task_1`. The terminal has a dark purple background and a white cursor at the end of the command line. A file icon labeled "README.md" is visible in the top left corner of the terminal window.

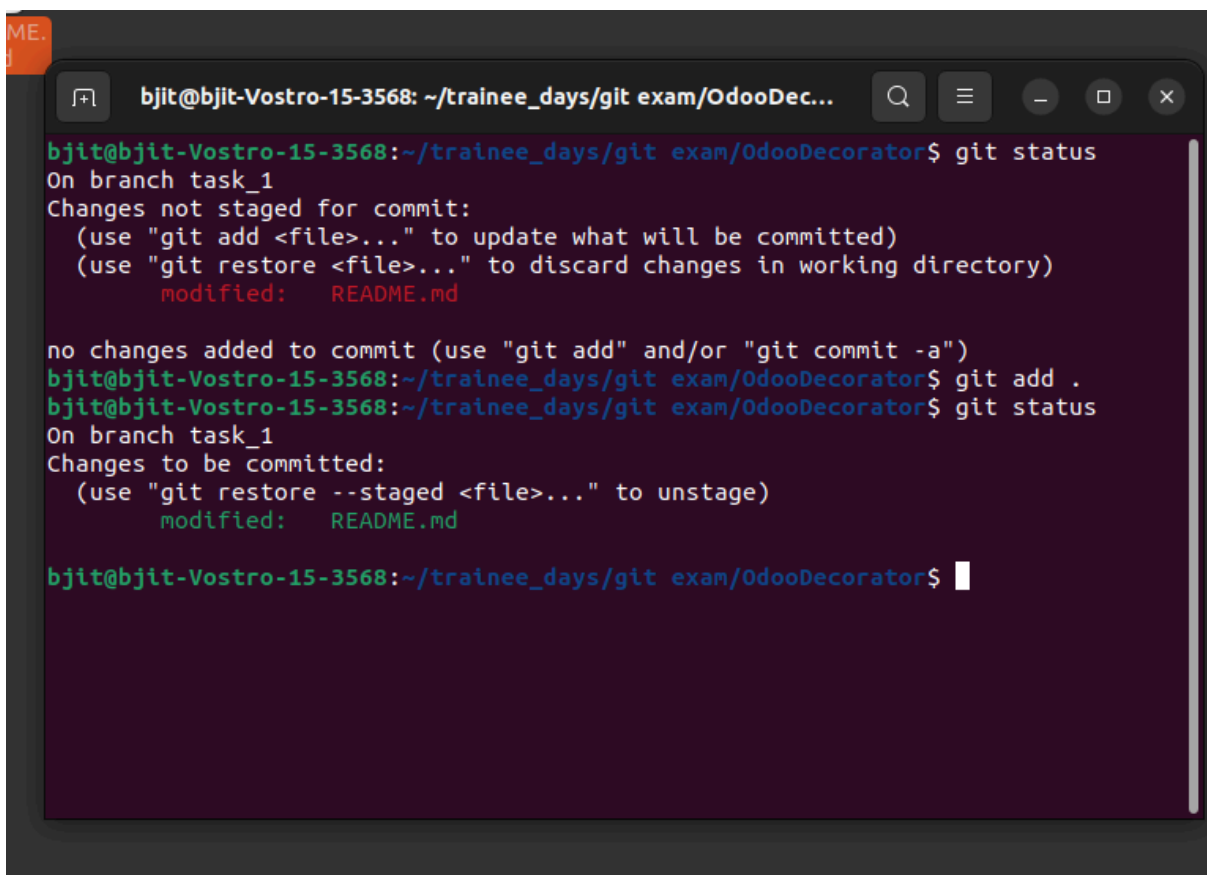
Fig 2: Create the working branch



A terminal window titled "bjit@bjit-Vostro-15-3568: ~/trainee_days/git exam/OdooDec..." is shown. The terminal output is as follows:

```
bjit@bjit-Vostro-15-3568:~/trainee_days/git exam/OdooDecorator$ git checkout -b task_1
Switched to a new branch 'task_1'
bjit@bjit-Vostro-15-3568:~/trainee_days/git exam/OdooDecorator$ git branch
  development
* task_1
bjit@bjit-Vostro-15-3568:~/trainee_days/git exam/OdooDecorator$
```

Fig 3: Check the branches



A terminal window titled "bjit@bjit-Vostro-15-3568: ~/trainee_days/git exam/OdooDec..." is shown. The terminal output is as follows:

```
bjit@bjit-Vostro-15-3568:~/trainee_days/git exam/OdooDecorator$ git status
On branch task_1
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
bjit@bjit-Vostro-15-3568:~/trainee_days/git exam/OdooDecorator$ git add .
bjit@bjit-Vostro-15-3568:~/trainee_days/git exam/OdooDecorator$ git status
On branch task_1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

bjit@bjit-Vostro-15-3568:~/trainee_days/git exam/OdooDecorator$
```

Fig 4: Staged the changes

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git commit -m "docx(readme): Add table of contents and introduction."
[task_1 6764884] docx(readme): Add table of contents and introduction.
1 file changed, 33 insertions(+), 1 deletion(-)
rewrite README.md (100%)
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git status
On branch task_1
nothing to commit, working tree clean
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$

```

Fig 5: Commit the work and check the staging area

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git commit --amend -m "doc(readme):Add introduction and table of contents" -m "ref:#0001"
[development 1beedf3] doc(readme):Add introduction and table of contents
Author: Anup Ghosh <anup.ghosh@bjitacademy.com>
Date: Mon Nov 25 12:18:34 2024 +0600
1 file changed, 1 insertion(+)
create mode 100644 README.md

```

Fig 6: Mistakenly commit in the development branch

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git reset --hard HEAD~1
HEAD is now at 9ae6b76 Initial commit
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git status
On branch development
Your branch is behind 'origin/development' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)

nothing to commit, working tree clean
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git log

```

Fig 7: Reset the last commit

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git commit --amend -m "doc(readme):Add introduction and table of contents" -m "ref:#0001"
[task_1 b1f14ed] doc(readme):Add introduction and table of contents
Date: Mon Nov 25 13:44:32 2024 +0600
1 file changed, 33 insertions(+), 1 deletion(-)
rewrite README.md (100%)
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git log

```

Fig 8: Now amend the previous commit and add ref in the working directory

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git pull origin development
From github.com:anup-ghosh-bjit/OdooDecorator
* branch          development -> FETCH_HEAD
Updating 9ae6b76..ad2f26c
Fast-forward
 README.md | 8 ++++++-
1 file changed, 7 insertions(+), 1 deletion(-)

```

Fig 9: Pull the latest changes from remote to local repository

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git checkout -b test_task_1
Switched to a new branch 'test_task_1'
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git branch
  development
* test_task_1
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/OdooDecorator$ git cherry-pick b1f14ede4695df441d9addb41296e2a824bfc
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply b1f14ed... doc(readme):Add introduction and table of contents
hint: After resolving the conflicts, mark them with
hint: "git add/rm <paths>", 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".

```

Fig 10: Create an another test branch for my task and cherry pick my working directory's commit on top of this new branch and expectedly conflicts occurs

```

1 |<<<<<< HEAD
2 <h1> Local Dining Guide </h1>
3 Web Based Dining Information Solution </br></br>
4 <p> Welcome to the Local Dining Guide project! This web-based software solution is designed to
5 provide users with comprehensive dining information, making it easy for them to explore
6 and discover local restaurants, cafes, and eateries. Whether you're a food enthusiast looking
7 for new culinary experiences or a traveller seeking the best dining spots in town, Local
8 Dining Guide has got you covered.</p>
9 =====
10
11 # Local Dining Guide
12
13 ![Project Logo](https://seeklogo.com/images/0/odoo-logo-62B6A3D625-seeklogo.com.png)
14
15
16 ## Table of Contents
17
18 - [Introduction](#introduction)
19 - [Development Technology](#development-technology)
20 - [Features](#features)
21 - [Getting Started](#getting-started)
22 - [Usage](#usage)
23 - [Contributors](#contributors)
24 - [Contact Information](#contact-information)
25
26 ---
27
28 ## Introduction
29
30 Local Dining Guide is a user-friendly platform that aims to connect users with local dining options. It provides a
31 interface to search for restaurants, view their menus, read reviews, and get directions. With a focus on enhancing
32 this software solution strives to bridge the gap between diners and local eateries.
33
34 ---

```

Fig 11: Remove the marker line and resolve the conflicts

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/odooDecorator$ git add .
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/odooDecorator$ git commit -m "doc(readme): Add table of contents and introduction " -m "ref:#0001"
[test_task_1 73cfe9] doc(readme): Add table of contents and introduction
Date: Mon Nov 25 13:44:32 2024 +0600
1 file changed, 36 insertions(+)
bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/odooDecorator$ git status
On branch test_task_1
nothing to commit, working tree clean

```

Fig 12: Add and commit modifications

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/odooDecorator$ git log
commit 1beedf3468408df6a51409eacc3cae7da37d9f78 (HEAD -> development)
Author: Anup Ghosh <anup.ghosh@bjitacademy.com>
Date: Mon Nov 25 12:18:34 2024 +0600

    doc(readme):Add introduction and table of contents

ref:#0001

```

Fig 13: Check the log

```

bjit@bjit-Vostro-15-3568:~/trainee_days/git_exam/odooDecorator$ git push -u origin test_task_1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 5.84 KiB | 1.46 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'test_task_1' on GitHub by visiting:
remote: https://github.com/anup-ghosh-bjit/odooDecorator/pull/new/test_task_1
remote:
To github.com:anup-ghosh-bjit/odooDecorator.git
 * [new branch] test_task_1 -> test_task_1
Branch 'test_task_1' set up to track remote branch 'test_task_1' from 'origin'.

```

Fig 14: Push the work into remote

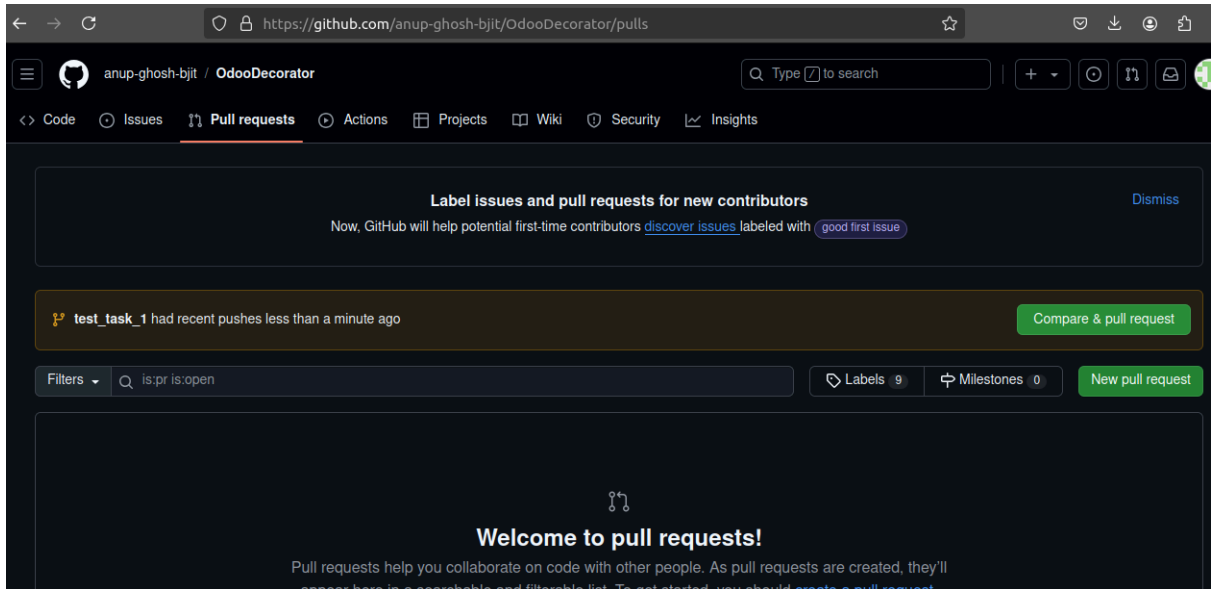


Fig 15: Create a Pull request

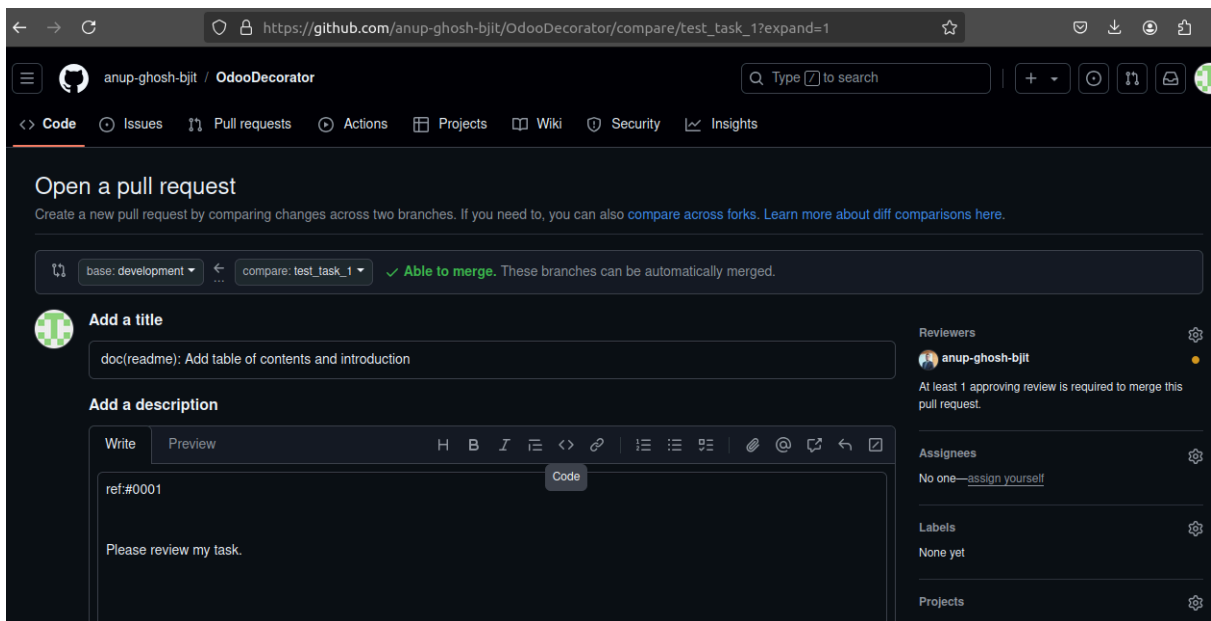


Fig 16: Send request to owner to merge the pull request

