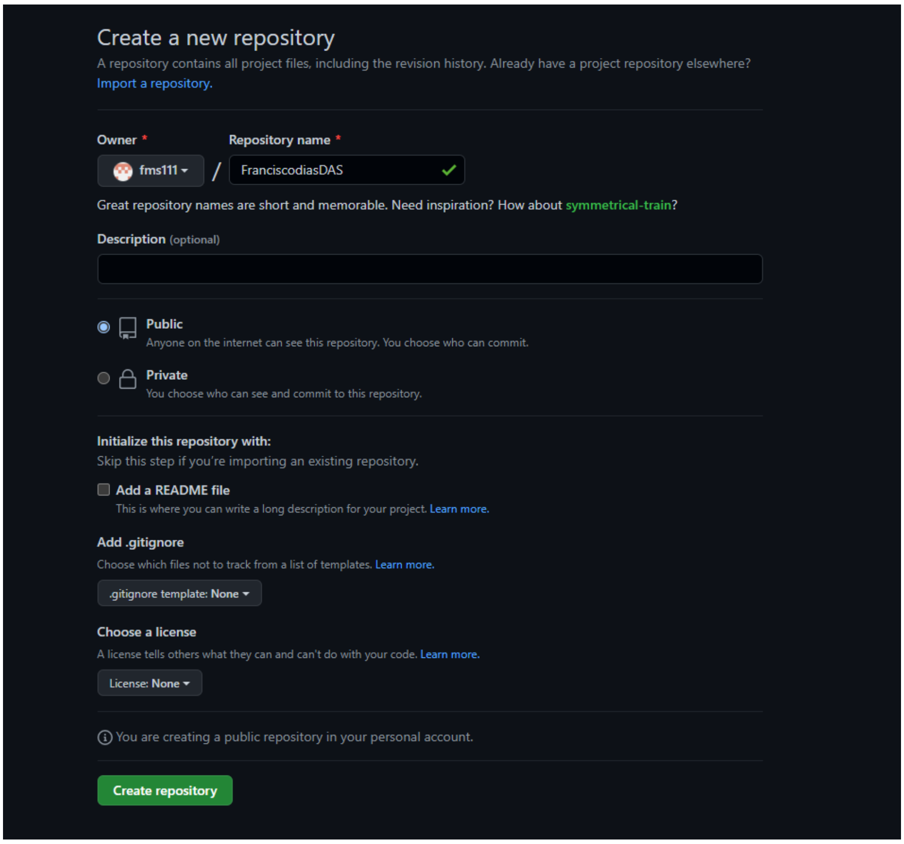
Relatório Trabalho Final DAS - Francisco Dias 2022095

1. Criar o Repositório no GitHub e as branches do mesmo



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Owner * fms111 / Repository name * FranciscodiasDAS ✓

Great repository names are short and memorable. Need inspiration? How about symmetrical-train?

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:
Skip this step if you're importing an existing repository.

□ Add a README file
This is where you can write a long description for your project. Learn more.

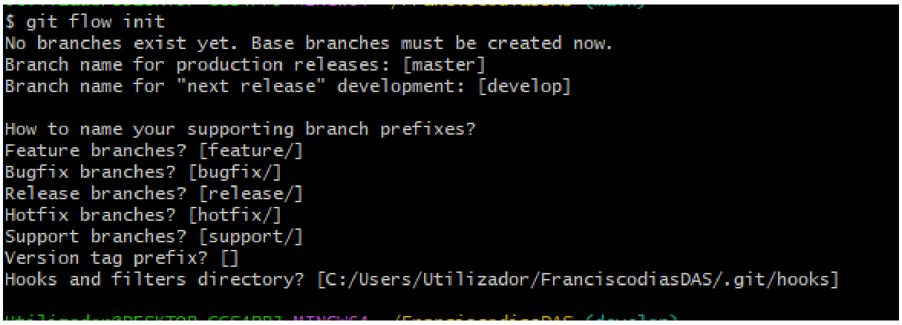
Add .gitignore
Choose which files not to track from a list of templates. Learn more.

.gitignore template: None

Choose a license
A license tells others what they can and can't do with your code. Learn more.

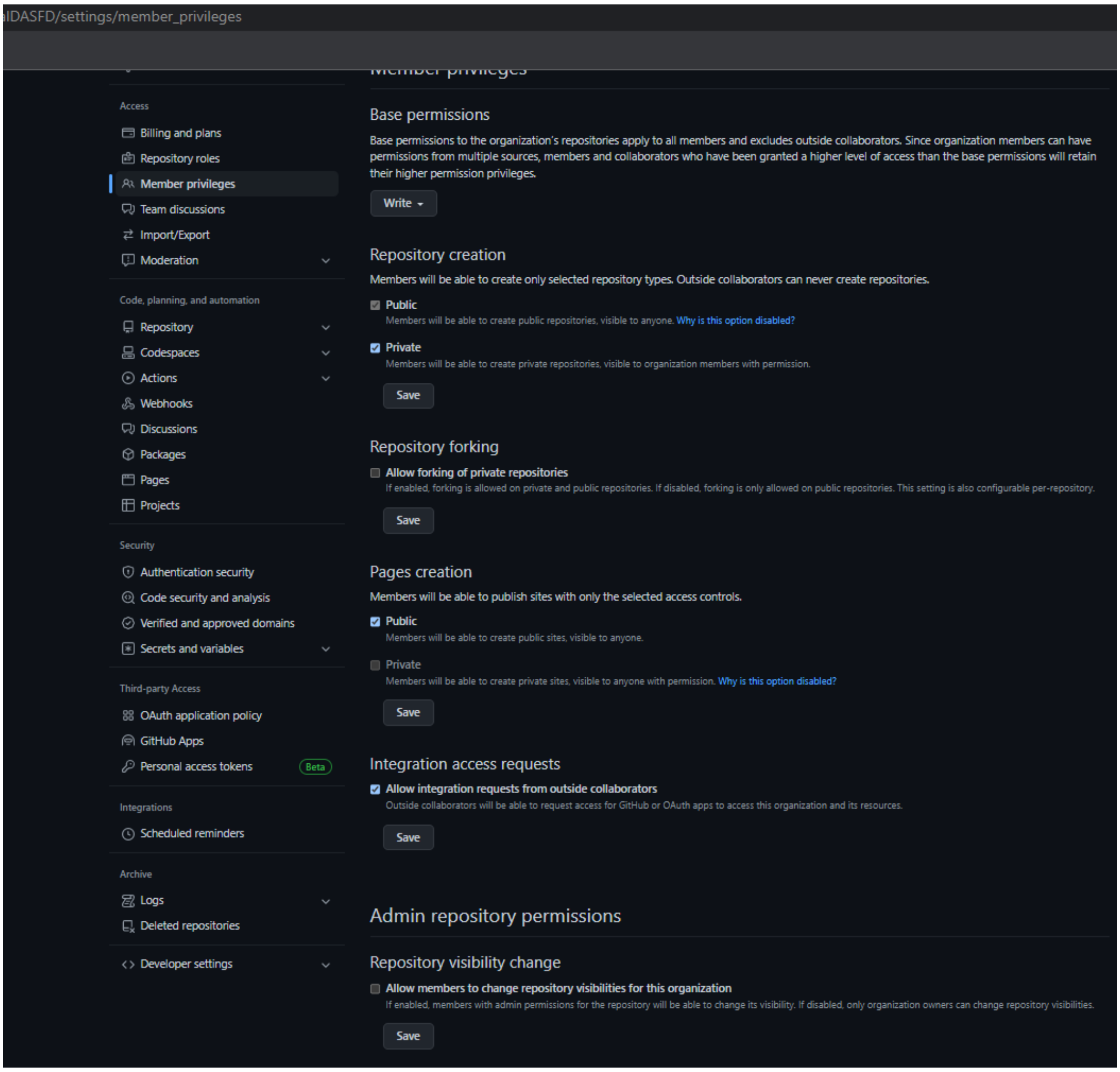
License: None

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



```
$ git flow init
No branches exist yet. Base branches must be created now.
Branch name for production releases: [master]
Branch name for "next release" development: [develop]

How to name your supporting branch prefixes?
Feature branches? [feature/]
Bugfix branches? [bugfix/]
Release branches? [release/]
Hotfix branches? [hotfix/]
Support branches? [support/]
Version tag prefix? []
Hooks and filters directory? [C:/Users/Utilizador/FranciscodiasDAS/.git/hooks]
```

2. Criei uma organização no GitHub e coloquei as regras em ordem



Member privileges

Base permissions

Base permissions to the organization's repositories apply to all members and excludes outside collaborators. Since organization members can have permissions from multiple sources, members and collaborators who have been granted a higher level of access than the base permissions will retain their higher permission privileges.

Write ▾

Repository creation

Members will be able to create only selected repository types. Outside collaborators can never create repositories.

☑ **Public**
Members will be able to create public repositories, visible to anyone. Why is this option disabled?

☑ **Private**
Members will be able to create private repositories, visible to organization members with permission.

Save

Repository forking

☐ **Allow forking of private repositories**
If enabled, forking is allowed on private and public repositories. If disabled, forking is only allowed on public repositories. This setting is also configurable per-repository.

Save

Pages creation

Members will be able to publish sites with only the selected access controls.

☑ **Public**
Members will be able to create public sites, visible to anyone.

☐ Private
Members will be able to create private sites, visible to anyone with permission. Why is this option disabled?

Save

Integration access requests

☑ **Allow integration requests from outside collaborators**
Outside collaborators will be able to request access for GitHub or OAuth apps to access this organization and its resources.

Save

Admin repository permissions

Repository visibility change

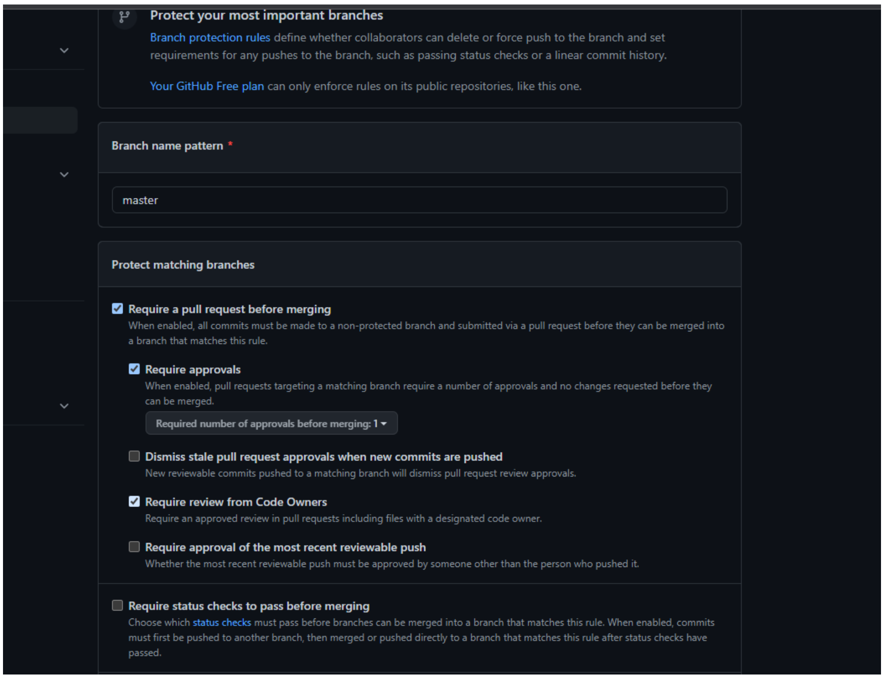
☐ **Allow members to change repository visibilities for this organization**
If enabled, members with admin permissions for the repository will be able to change its visibility. If disabled, only organization owners can change repository visibilities.

Save

Alterei a permissão para Write

Desativei a Repository Visibility Change

3. Tornei obrigatória a revisão do código antes de ser aprovado um Pull Request



Protect your most important branches

Branch protection rules define whether collaborators can delete or force push to the branch and set requirements for any pushes to the branch, such as passing status checks or a linear commit history.

Your GitHub Free plan can only enforce rules on its public repositories, like this one.

Branch name pattern *

master

Protect matching branches

☑ Require a pull request before merging
When enabled, all commits must be made to a non-protected branch and submitted via a pull request before they can be merged into a branch that matches this rule.

☑ Require approvals
When enabled, pull requests targeting a matching branch require a number of approvals and no changes requested before they can be merged.

Required number of approvals before merging: 1

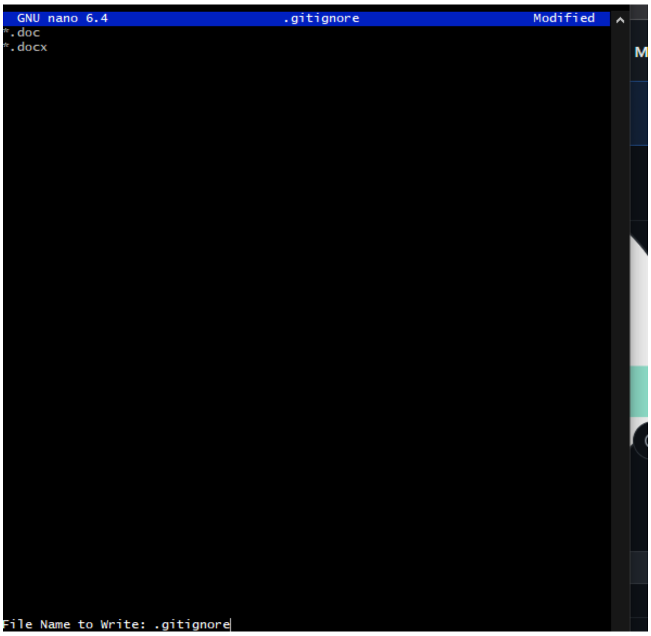
☐ Dismiss stale pull request approvals when new commits are pushed
New reviewable commits pushed to a matching branch will dismiss pull request review approvals.

☑ Require review from Code Owners
Require an approved review in pull requests including files with a designated code owner.

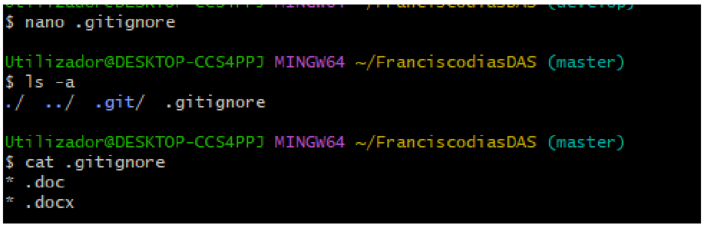
☐ Require approval of the most recent reviewable push
Whether the most recent reviewable push must be approved by someone other than the person who pushed it.

☐ Require status checks to pass before merging
Choose which status checks must pass before branches can be merged into a branch that matches this rule. When enabled, commits must first be pushed to another branch, then merged or pushed directly to a branch that matches this rule after status checks have passed.

4. Adicionar um ficheiro .Gitignore para ignorar ficheiros .doc e .docx



```
  GNU nano 6.4                    .gitignore                    Modified
*.doc
*.docx




File Name to Write: .gitignore
```

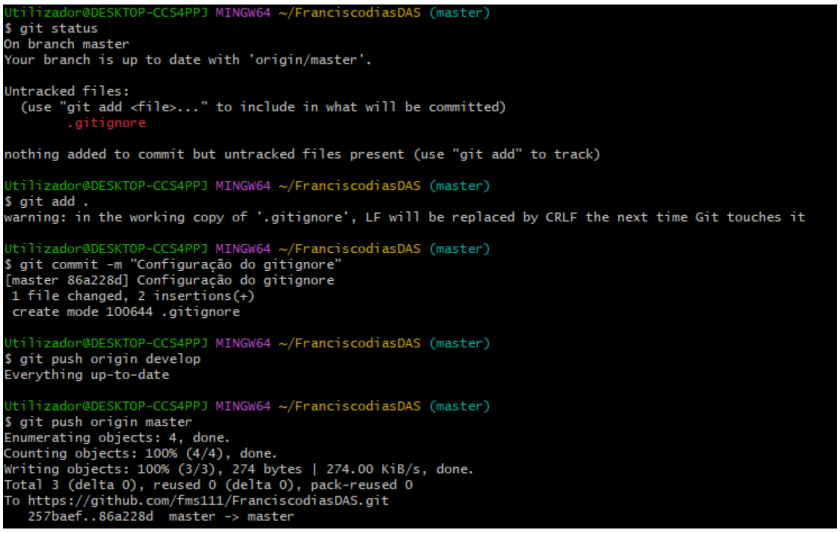


```
$ nano .gitignore

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (master)
$ ls -a
./  ../  .git/  .gitignore

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (master)
$ cat .gitignore
*.doc
*.docx
```

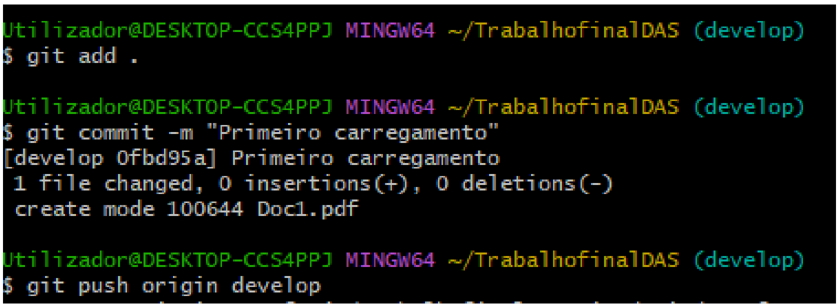
5. Controlar as versões do relatório a entregar usando o repositório, sendo que é necessário que existam pelo menos:

   a) 1 carregamento inicial do ficheiro no branch develop

      Comandos para fazer push para o repositório:

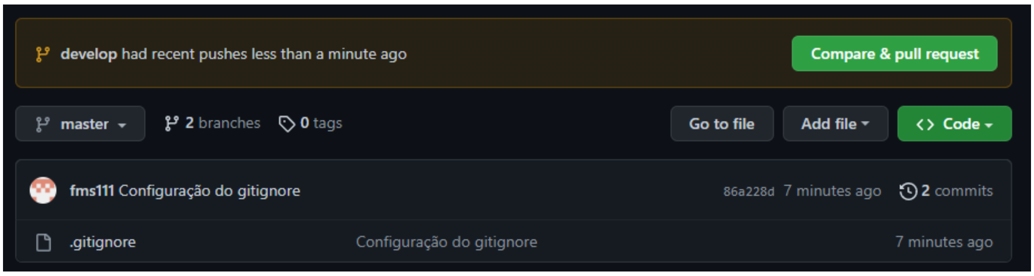


```
Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

nothing added to commit but untracked files present (use "git add" to track)

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (master)
$ git commit -m "Configuração do gitignore"
[master 86a228d] Configuração do gitignore
 1 file changed, 2 insertions(+)
 create mode 100644 .gitignore

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (master)
$ git push origin develop
Everything up-to-date

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (3/3), 274 bytes | 274.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/fms111/FranciscodiasDAS.git
   257baef..86a228d  master -> master
```



```
Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/TrabalhofinalDAS (develop)
$ git add .

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/TrabalhofinalDAS (develop)
$ git commit -m "Primeiro carregamento"
[develop 0fbd95a] Primeiro carregamento
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Doc1.pdf

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/TrabalhofinalDAS (develop)
$ git push origin develop
```

Print do Pull Request

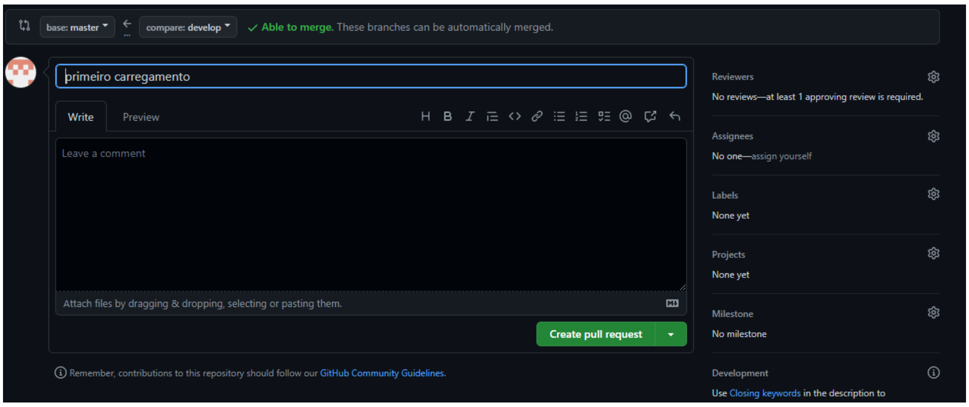


develop had recent pushes less than a minute ago

fms111 Configuração do gitignore 86a228d 7 minutes ago 2 commits

.gitignore Configuração do gitignore 7 minutes ago

Criação do pull request



base: master ▾ ← compare: develop ▾ ✓ Able to merge. These branches can be automatically merged.

primeiro carregamento

Attach files by dragging & dropping, selecting or pasting them.

Remember, contributions to this repository should follow our GitHub Community Guidelines.

Reviewers
No reviews—at least 1 approving review is required.

Assignees
No one—assign yourself

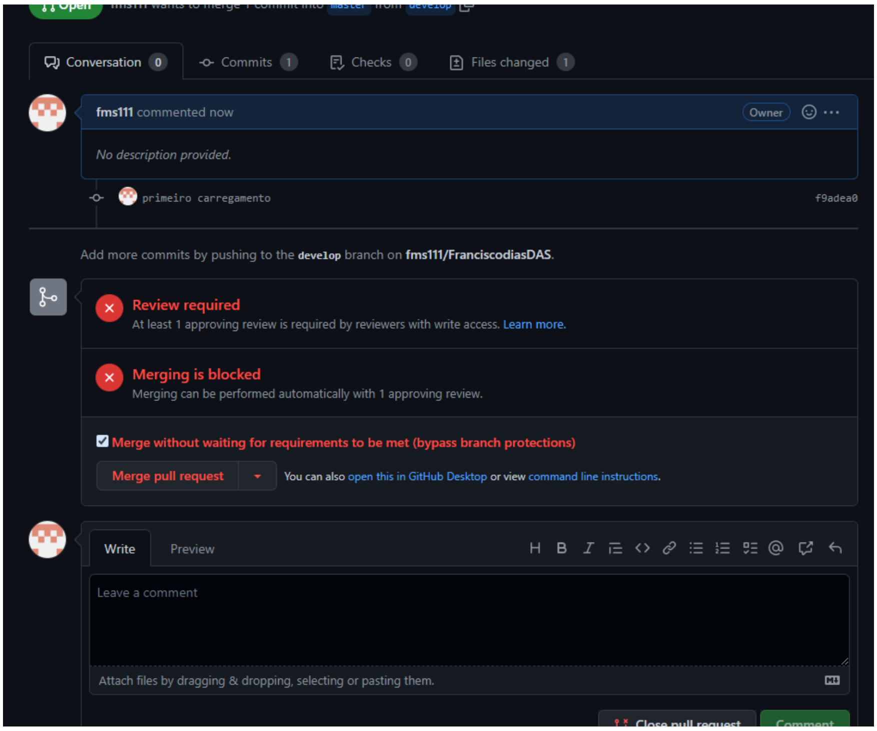
Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Use Closing keywords in the description to

Review / Aprovação do Pull Request



Open fms111 wants to merge 1 commit into master from develop

fms111 commented now Owner

No description provided.

primeiro carregamento f9adea0

Add more commits by pushing to the **develop** branch on **fms111/FranciscodiasDAS**.

Review required
At least 1 approving review is required by reviewers with write access. Learn more.

Merging is blocked
Merging can be performed automatically with 1 approving review.

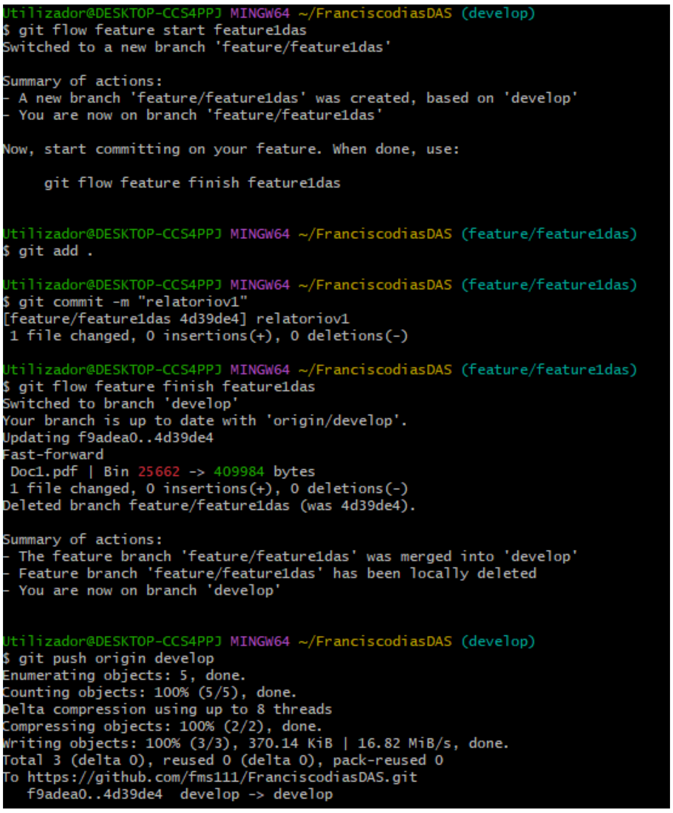
☑ Merge without waiting for requirements to be met (bypass branch protections)

You can also open this in GitHub Desktop or view command line instructions.

Attach files by dragging & dropping, selecting or pasting them.

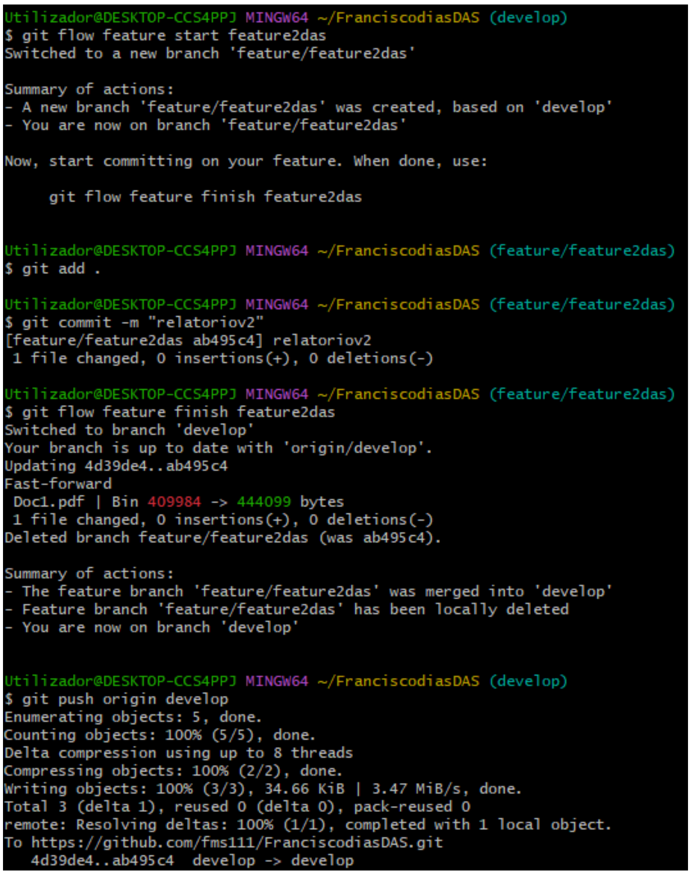
b) 5 alterações no próprio branch develop com os devidos comentários

-- Criação e alteração da feature1das --



```
Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (develop)
$ git flow feature start feature1das
Switched to a new branch 'feature/feature1das'

Summary of actions:
- A new branch 'feature/feature1das' was created, based on 'develop'
- You are now on branch 'feature/feature1das'

Now, start committing on your feature. When done, use:

     git flow feature finish feature1das


Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (feature/feature1das)
$ git add .

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (feature/feature1das)
$ git commit -m "relatoriov1"
[feature/feature1das 4d39de4] relatoriov1
 1 file changed, 0 insertions(+), 0 deletions(-)

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (feature/feature1das)
$ git flow feature finish feature1das
Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.
Updating f9adea0..4d39de4
Fast-forward
 Doc1.pdf | Bin 25662 -> 409984 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
Deleted branch feature/feature1das (was 4d39de4).

Summary of actions:
- The feature branch 'feature/feature1das' was merged into 'develop'
- Feature branch 'feature/feature1das' has been locally deleted
- You are now on branch 'develop'


Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (develop)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 370.14 KiB | 16.82 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/fms111/FranciscodiasDAS.git
   f9adea0..4d39de4  develop -> develop
```

-- Criação e alteração da feature2das --



```
Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (develop)
$ git flow feature start feature2das
Switched to a new branch 'feature/feature2das'

Summary of actions:
- A new branch 'feature/feature2das' was created, based on 'develop'
- You are now on branch 'feature/feature2das'

Now, start committing on your feature. When done, use:

     git flow feature finish feature2das


Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (feature/feature2das)
$ git add .

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (feature/feature2das)
$ git commit -m "relatoriov2"
[feature/feature2das ab495c4] relatoriov2
 1 file changed, 0 insertions(+), 0 deletions(-)

Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (feature/feature2das)
$ git flow feature finish feature2das
Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.
Updating 4d39de4..ab495c4
Fast-forward
 Doc1.pdf | Bin 409984 -> 444099 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
Deleted branch feature/feature2das (was ab495c4).

Summary of actions:
- The feature branch 'feature/feature2das' was merged into 'develop'
- Feature branch 'feature/feature2das' has been locally deleted
- You are now on branch 'develop'


Utilizador@DESKTOP-CCS4PPJ MINGW64 ~/FranciscodiasDAS (develop)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 34.66 KiB | 3.47 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/fms111/FranciscodiasDAS.git
   4d39de4..ab495c4  develop -> develop
```