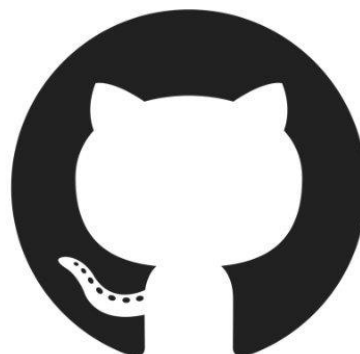# Trabalho Prático Individual Final - Git

Trabalho realizado por: Pedro Neves

Disciplina: Desenvolvimento Ágil de Software

Professor: André Carvalhas

Link: https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS

Criar o repositório:

Criar as branches master e develop:

git Flow init

Criar o branch "develop": git branch develop

Mudar para o branch "develop": git checkout develop

Criar o branch "master": git branch master

Mudar para o branch "master": git checkout master

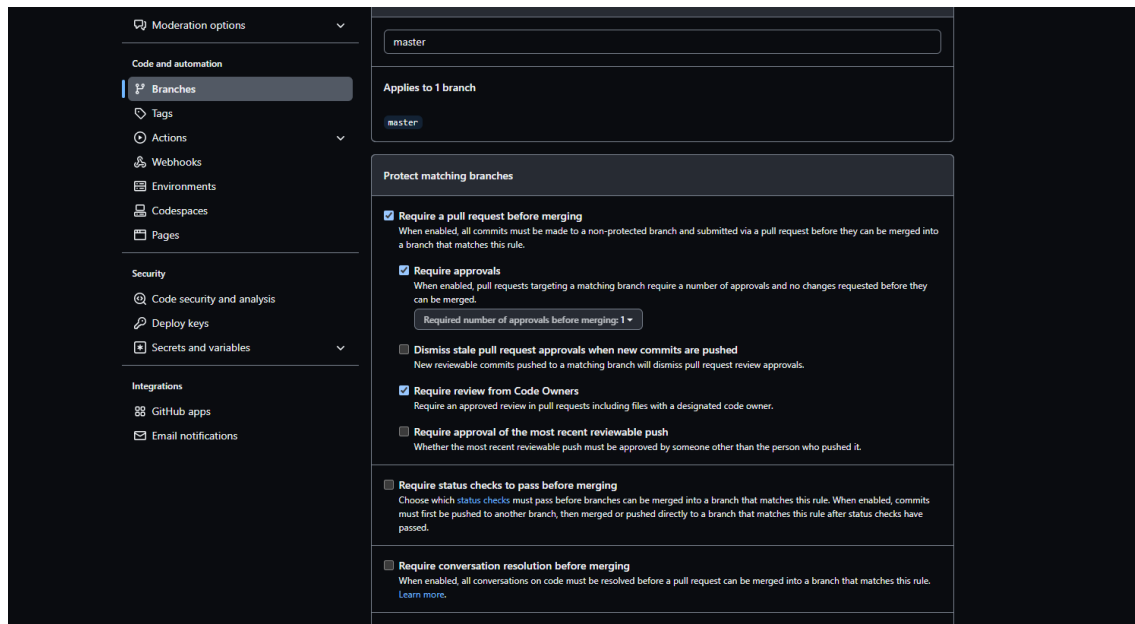## 2) Ter pelo menos dois níveis de acesso ao GitHub, permitindo a developers a submissão de código, mas nunca a alteração de visibilidade do repositório:

Base permissions alterei de read para Write.

Repository Visibility Change- tirar o visto e dar save.

3)Tornar obrigatório a revisão de código antes de um pull request ser aprovado:

4)Adicionar um ficheiro. gitignore de forma a ignorar ficheiros, .docx e .doca:

Fazer o push para o repositório:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (master)
$ git commit -m "configuração do gitignore"
[master 58eabaf] configuração do gitignore
 2 files changed, 2 insertions(+), 21 deletions(-)
 create mode 100644 .gitignore
 delete mode 100644 .gitignore.txt

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (3/3), 278 bytes | 278.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: This repository moved. Please use the new location:
remote:   https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   a030342..58eabaf  master -> master
```

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

-Carregamento inicial do ficheiro no branch develop:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git commit -m "carregamento inicial"
[develop d9bfab4] carregamento inicial
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Doc1.pdf

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git push origin develop
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 134.26 KiB | 14.92 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: This repository moved. Please use the new location:
remote:   https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   4bc7f44..d9bfab4  develop -> develop

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
```

Criar pull request:

```
 develop had recent pushes less than a minute ago          Compare & pull request
```

Aprovação do pull request:

Confirmar a aprovação:

-5 alterações no próprio branch develop com os devidos comentários:

Primeira alteração da feature1-relatorio:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git flow feature start feature1-relatorio
Switched to a new branch 'feature/feature1-relatorio'

Summary of actions:
- A new branch 'feature/feature1-relatorio' was created, based on 'develop'
- You are now on branch 'feature/feature1-relatorio'

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

    git flow feature finish feature1-relatorio


pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature1-relatorio)
$

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature1-relatorio)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature1-relatorio)
$ git commit -m "relatorio versao 1"
[feature/feature1-relatorio ff130f3] relatorio versao 1
 1 file changed, 0 insertions(+), 0 deletions(-)
```

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature1-relatori
$ git flow feature finish feature1-relatorio




Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.

Updating d9bfab4..ff130f3
Fast-forward
 Doc1.pdf | Bin 140948 -> 495475 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)

Deleted branch feature/feature1-relatorio (was ff130f3).


Summary of actions:
- The feature branch 'feature/feature1-relatorio' was merged into 'develop'
- Feature branch 'feature/feature1-relatorio' has been locally deleted
- You are now on branch 'develop'
```

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (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% (3/3), done.
Writing objects: 100% (3/3), 447.81 KiB | 24.88 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: This repository moved. Please use the new location:
remote:    https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   d9bfab4..ff130f3  develop -> develop
```

Segunda alteração da feature2-relatorio:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git flow feature start feature2-relatorio
Switched to a new branch 'feature/feature2-relatorio'

Summary of actions:
- A new branch 'feature/feature2-relatorio' was created, based on 'develop'
- You are now on branch 'feature/feature2-relatorio'

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

    git flow feature finish feature2-relatorio


pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature2-relatorio)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature2-relatorio)
$ git commit -m "relatorio versao 2"
[feature/feature2-relatorio 6feef15] relatorio versao 2
 1 file changed, 0 insertions(+), 0 deletions(-)

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature2-relatorio)
$ git flow feature finish feature2-relatorio
Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.
Updating ff130f3..6feef15
Fast-forward
 Doc1.pdf | Bin 495475 -> 560575 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
Deleted branch feature/feature2-relatorio (was 6feef15).

Summary of actions:
- The feature branch 'feature/feature2-relatorio' was merged into 'develop'
- Feature branch 'feature/feature2-relatorio' has been locally deleted
- You are now on branch 'develop'


pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (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% (3/3), done.
Writing objects: 100% (3/3), 108.70 KiB | 9.88 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.
remote: This repository moved. Please use the new location:
remote:   https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   ff130f3..6feef15  develop -> develop
```

Terceira alteração da feature3-relatorio:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git flow feature start feature3-relatorio
Switched to a new branch 'feature/feature3-relatorio'

Summary of actions:
- A new branch 'feature/feature3-relatorio' was created, based on 'develop'
- You are now on branch 'feature/feature3-relatorio'

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

    git flow feature finish feature3-relatorio


pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature3-relatorio)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature3-relatorio)
$ git commit -m "relatorio versao 3"
[feature/feature3-relatorio e96e324] relatorio versao 3
 1 file changed, 0 insertions(+), 0 deletions(-)

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature3-relatorio)
$ git flow feature finish feature3-relatorio
Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.
Updating 6feef15..e96e324
Fast-forward
 Doc1.pdf | Bin 560575 -> 615191 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
Deleted branch feature/feature3-relatorio (was e96e324).

Summary of actions:
- The feature branch 'feature/feature3-relatorio' was merged into 'develop'
- You are now on branch 'develop'3-relatorio' has been locally deleted


pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (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% (3/3), done.
Writing objects: 100% (3/3), 102.85 KiB | 8.57 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.
remote: This repository moved. Please use the new location:
remote:   https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   6feef15..e96e324  develop -> develop
```

Quarta alteração da feature4-relatorio:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git flow feature start feature4-relatorio
Switched to a new branch 'feature/feature4-relatorio'

Summary of actions:
- A new branch 'feature/feature4-relatorio' was created, based on 'develop'
- You are now on branch 'feature/feature4-relatorio'

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

    git flow feature finish feature4-relatorio

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature4-relatorio)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature4-relatorio)
$ git commit -m "relatorio versao 4"
[feature/feature4-relatorio 52c4fb1] relatorio versao 4
 1 file changed, 0 insertions(+), 0 deletions(-)

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature4-relatorio)
$ git flow feature finish feature4-relatorio
Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.
Updating e96e324..52c4fb1
Fast-forward
 Doc1.pdf | Bin 615191 -> 670145 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
Deleted branch feature/feature4-relatorio (was 52c4fb1).

Summary of actions:
- The feature branch 'feature/feature4-relatorio' was merged into 'develop'
- Feature branch 'feature/feature4-relatorio' has been locally deleted
- You are now on branch 'develop'

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (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% (3/3), done.
Writing objects: 100% (3/3), 105.46 KiB | 5.02 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.
remote: This repository moved. Please use the new location:
remote:   https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   e96e324..52c4fb1  develop -> develop
```

Quinta alteração da feature5-relatorio:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (develop)
$ git flow feature start feature5-relatorio
Switched to a new branch 'feature/feature5-relatorio'

Summary of actions:
- A new branch 'feature/feature5-relatorio' was created, based on 'develop'
- You are now on branch 'feature/feature5-relatorio'

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

    git flow feature finish feature5-relatorio

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature5-relatorio)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature5-relatorio)
$ git commit -m "relatorio versao 5"
[feature/feature5-relatorio 2baa251] relatorio versao 5
 1 file changed, 0 insertions(+), 0 deletions(-)

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (feature/feature5-relatorio)
$ git flow feature finish feature5-relatorio
Switched to branch 'develop'
Your branch is up to date with 'origin/develop'.
Updating 52c4fb1..2baa251
Fast-forward
 Doc1.pdf | Bin 670145 -> 723198 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
Deleted branch feature/feature5-relatorio (was 2baa251).

Summary of actions:
- The feature branch 'feature/feature5-relatorio' was merged into 'develop'
- Feature branch 'feature/feature5-relatorio' has been locally deleted
- You are now on branch 'develop'

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (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% (3/3), done.
Writing objects: 100% (3/3), 51.61 KiB | 5.16 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.
remote: This repository moved. Please use the new location:
remote:   https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   52c4fb1..2baa251  develop -> develop
```

Uma release que contribua para o branch master:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (master)
$ git flow release start release-relatorio
Switched to a new branch 'release/release-relatorio'

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

Follow-up actions:
- Bump the version number now!
- Start committing last-minute fixes in preparing your release
- When done, run:

     git flow release finish 'release-relatorio'


pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (release/release-relatorio)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (release/release-relatorio)
$ git commit -m "release relatorio"
[release/release-relatorio 0aa886a] release relatorio
 1 file changed, 0 insertions(+), 0 deletions(-)

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (release/release-relatorio)
$ git flow release finish release-relatorio
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
Merge made by the 'ort' strategy.
 Doc1.pdf | Bin 0 -> 777056 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Doc1.pdf
Already on 'master'
Your branch is ahead of 'origin/master' by 8 commits.
  (use "git push" to publish your local commits)
fatal: no tag message?
Fatal: Tagging failed. Please run finish again to retry.
```

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (master)
$ git push origin master
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 103.49 KiB | 4.50 MiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote: This repository moved. Please use the new location:
remote:    https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   ebf89b2..3ff4f13  master -> master
```

Hotfix efetuado utilizando a gestão de branches GitFlow:

```
pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (master)
$ git flow hotfix start hotfix-relatorio master
Switched to a new branch 'hotfix/hotfix-relatorio'

Summary of actions:
- A new branch 'hotfix/hotfix-relatorio' was created, based on 'master'
- You are now on branch 'hotfix/hotfix-relatorio'

Follow-up actions:
- Start committing your hot fixes
- Bump the version number now!
- When done, run:

     git flow hotfix finish 'hotfix-relatorio'


pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (hotfix/hotfix-relatorio)
$ git add .

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (hotfix/hotfix-relatorio)
$ git commit -m "hotfix relatorio"
[hotfix/hotfix-relatorio 3eed296] hotfix relatorio
 1 file changed, 0 insertions(+), 0 deletions(-)

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (hotfix/hotfix-relatorio)
$ git flow hotfix finish hotfix-relatorio
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
Merge made by the 'ort' strategy.
 Doc1.pdf | Bin 777056 -> 831659 bytes
 1 file changed, 0 insertions(+), 0 deletions(-)
fatal: no tag message?
Fatal: Tagging failed. Please run finish again to retry.

pedro@LAPTOP-11M388R4 MINGW64 ~/TrabalhoFinalDAS (master)
$ git push origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 107.86 KiB | 7.19 MiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote: This repository moved. Please use the new location:
remote:    https://github.com/TrabalhoIndividualFinalDAS/TrabalhoFinalDAS.git
To https://github.com/Pedro084/TrabalhoFinalDAS.git
   3ff4f13..ab4f5cf  master -> master
```