

## EVAN SEDDA et Hugo PAULIER

### 1- Les Conventions de Nommages :

- Branche Main
- Branche Develop
- Branches Feat

### 2- Les Conventions de Commits :

Conventional Commits

### 3- Définir le Workflow

Feature Branch Workflow

```
sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2
$ echo "# Tp-Git2_EvanSEDDA_HugoPAULIER" >> README.md

sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2
$ git init
Initialized empty Git repository in C:/Users/sedda/Documents/Ynov/B1/Tp git 2/.git/

sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2 (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2 (master)
$ git commit -m "first commit"
[master (root-commit) ac72b0b] first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

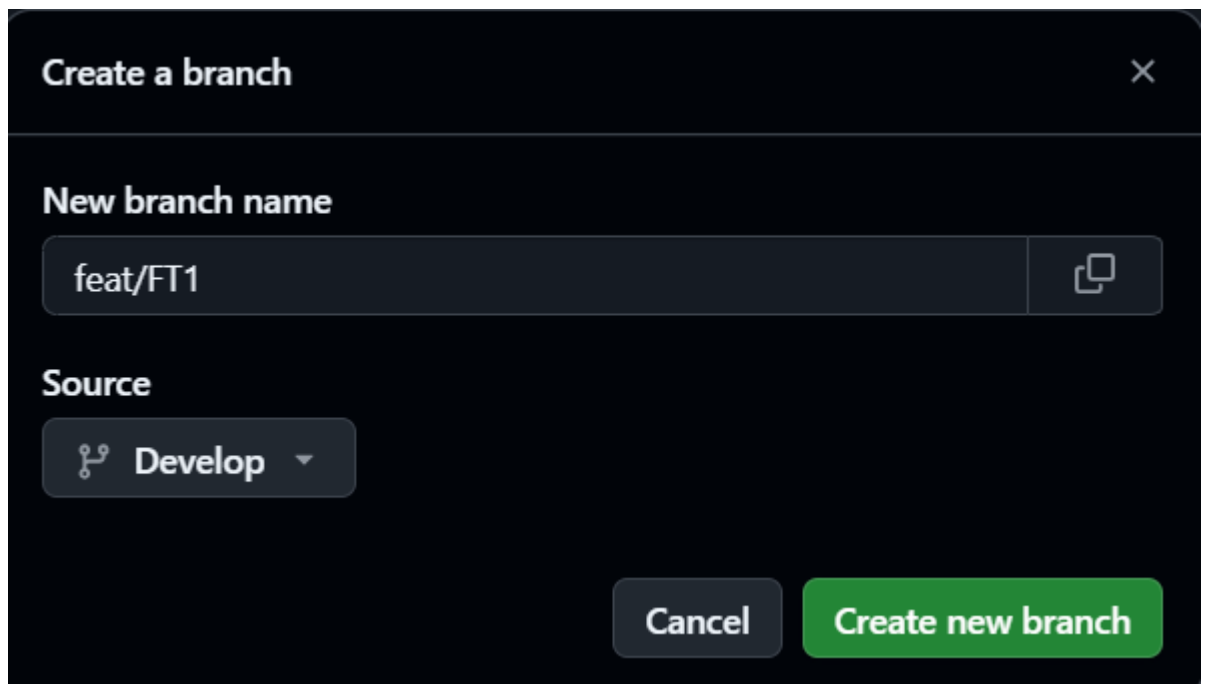
sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2 (master)
$ git branch -M main

sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2 (main)
$ $ git remote add origin https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER.git
bash: $: command not found

sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2 (main)
$ git remote add origin https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER.git

sedda@Evan MINGW64 ~/Documents/Ynov/B1/Tp git 2 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 249 bytes | 249.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

Création du Working Directory et initialisation de git.



Création d'une nouvelle branche sur l'interface github (feat/FT1)

```
hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git switch Develop
branch 'Develop' set up to track 'origin/Develop'.
Switched to a new branch 'Develop'

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (Develop)
$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

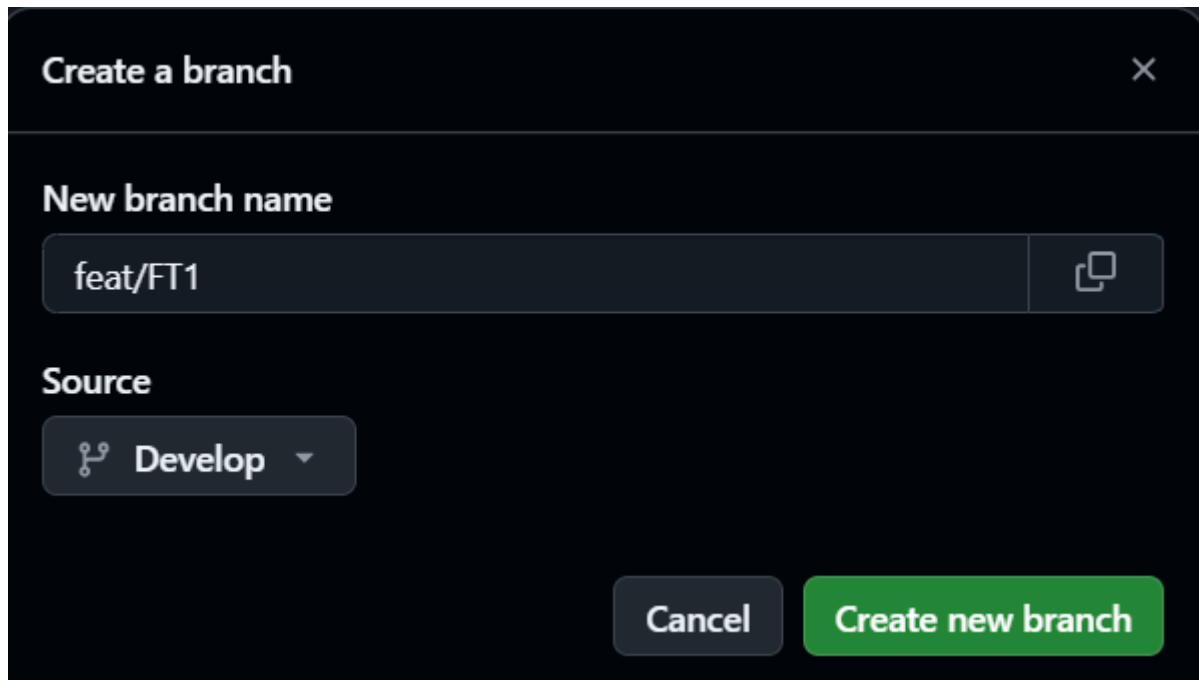
hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git switch feat/TF1
fatal: invalid reference: feat/TF1

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git switch feat/FT1
branch 'feat/FT1' set up to track 'origin/feat/FT1'.
Switched to a new branch 'feat/FT1'

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (feat/FT1)
```

Switch de Branche ( main -> Develop -> feat/FT1) pour travailler sur la première feature.

## FT1 - Créer une fonction qui initialise la partie



Initialisation de la Branche FT1

```
hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git switch Develop
branch 'Develop' set up to track 'origin/Develop'.
Switched to a new branch 'Develop'

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (Develop)
$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git switch feat/TF1
fatal: invalid reference: feat/TF1

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git switch feat/FT1
branch 'feat/FT1' set up to track 'origin/feat/FT1'.
Switched to a new branch 'feat/FT1'

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (feat/FT1)
```

On a changé de branche, Develop -> feat/FT1

Puis nous avons coder la fonction Initialisation du Jeu

```

commit 1f4d1612260566a7c3aa50f95058fa75c536159c (HEAD -> feat/FT1)
Author: Hugo PAULIER <hugo.paulier@ynov.com>
Date: Thu Sep 25 16:07:39 2025 +0200

    Feat: Fin de FT1

commit 6bb8bae40617068fcb318258154e9d7f9493ed5
Author: Hugo PAULIER <hugo.paulier@ynov.com>
Date: Thu Sep 25 14:20:59 2025 +0200

    Feat: Ajout de la fonction Affichier Les joueurs

commit e2eec86ae08a535ec64a8e8f04edf770b7f3048a (origin/main, origin/feat/FT1, origin/HEAD, origin/Develop, main, Develop)
Author: Evan SEDDA <seddaevan@outlook.fr>
Date: Thu Sep 25 11:12:41 2025 +0200

    feat/creation de main.go

commit ac72b0bb08feac585287fcd01ef2f13eed5ff0f
Author: Evan SEDDA <seddaevan@outlook.fr>
Date: Thu Sep 25 10:55:18 2025 +0200

    first commit

```

```

▼ TERMINAL
reword e2eec86 # feat/creation de main.go
s 6bb8bae # Feat: Ajout de la fonction Affichier Les joueurs
s 1f4d161 # Feat: Fin de FT1
#
# Rebase ac72b0b..1f4d161 onto ac72b0b (3 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
#                               commit's log message, unless -C is used, in which case
#                               keep only this commit's message; -c is same as -C but
#                               opens the editor
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
# d, drop <commit> = remove commit
# l, label <label> = label current HEAD with a name
# t, reset <label> = reset HEAD to a label
# m, merge [-C <commit> | -c <commit>] <label> [# <oneline>]
#     create a merge commit using the original merge commit's
#     message (or the oneline, if no original merge commit was
#     specified); use -c <commit> to reword the commit message
# u, update-ref <ref> = track a placeholder for the <ref> to be updated
#                       to this position in the new commits. The <ref> is
#                       updated at the end of the rebase
#
# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
.git/rebase-merge/git-rebase-todo[+] [unix] (16:08 25/09/2025) 4,1 All
-- INSERT --

```

On a squash les commits

Résultat du squash :

```
PS C:\Users\hugop\Documents\Taff\Ynov-25-26\TP\Tp-Git2_EvanSEDDA_HugoPAULIER> git log
commit cfc0e8dcec4a7f58ddb916f7e0cf8c1d52b34946 (HEAD -> feat/FT1)
Author: Evan SEDDA <seddaevan@outlook.fr>
Date: Thu Sep 25 11:12:41 2025 +0200

    feat/fin de FT1

    Feat: Ajout de la fonction Affichier Les joueurs

    Feat: Fin de FT1

commit ac72b0bb08feac585287fcfd01ef2f13eed5ff0f
Author: Evan SEDDA <seddaevan@outlook.fr>
Date: Thu Sep 25 10:55:18 2025 +0200

    first commit
PS C:\Users\hugop\Documents\Taff\Ynov-25-26\TP\Tp-Git2_EvanSEDDA_HugoPAULIER>
```

Puis une fois fini, on merge feat/FT1 vers Develop

```
hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/TP-Git2_EvanSEDDA_HugoPAULIER (feat/FT1)
$ git add .

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/TP-Git2_EvanSEDDA_HugoPAULIER (feat/FT1|MERGING)
$ git push
To https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER.git
! [rejected]        feat/FT1 -> feat/FT1 (non-fast-forward)
error: failed to push some refs to 'https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. If you want to integrate the remote changes,
hint: use 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/TP-Git2_EvanSEDDA_HugoPAULIER (feat/FT1|MERGING)
$ git commit -m "docs/merge de ft1"
[feat/FT1 93cbb6a] docs/merge de ft1

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/TP-Git2_EvanSEDDA_HugoPAULIER (feat/FT1)
$ git push
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 1.36 KiB | 1.36 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER.git
e2eec86..93cbb6a feat/FT1 -> feat/FT1

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/TP-Git2_EvanSEDDA_HugoPAULIER (feat/FT1)
$
```

Puis on retourne sur Develop, on pull request et on recrée les branches (feat/FT2, feat/FT3, feat/FT4, feat/FT5) et on s'y connect et code :

```
hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (feat/FT2)
$ git switch Develop
Switched to branch 'Develop'
Your branch is up to date with 'origin/Develop'.

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (Develop)
$ git pull
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (1/1), 881 bytes | 440.00 KiB/s, done.
From https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER
   909c0c6..a700a20  Develop    -> origin/Develop
Updating 909c0c6..a700a20
Fast-forward
 main.go | 16 ++++++-----
 1 file changed, 8 insertions(+), 8 deletions(-)

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (Develop)
$ git switch -c feat/FT4
```

On répète ces actions jusqu'à feat/FT5, puis on merge tout Develop sur le main :

```
hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git commit -m "hotfix/main"
1 file changed, 25 insertions(+), 2 deletions(-)

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ *git push
bash: *git: command not found

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 718 bytes | 718.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Evanfever13/Tp-Git2_EvanSEDDA_HugoPAULIER.git
   00174df..3545b7f  main -> main

hugop@PC-Hugo MINGW64 ~/Documents/Taff/Ynov-25-26/TP/Tp-Git2_EvanSEDDA_HugoPAULIER (main)
$
```

Et le puissance 4 est terminer

Nos principales difficultés sur ce projet concernaient la gestion des branches. Nous avons rencontré des problèmes lors des opérations de *merge*, *pull* et *push*. Au début, cela nous a beaucoup ralenti et nous avons eu du mal à avancer. Cependant, en apprenant de nos erreurs, nous avons progressivement trouvé notre rythme et avons pu travailler de manière plus régulière et efficace.