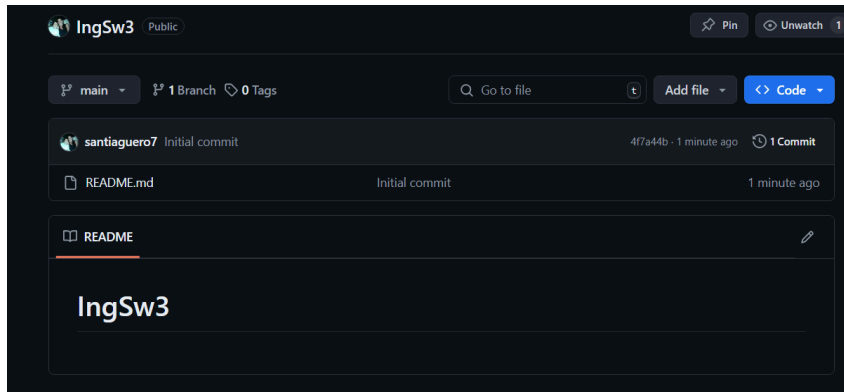


# Ingeniería en Software 3

## TP1 - GitHub

### Santiago Agüero

#### 1- Crear Repo en GitHub y clonarlo localmente



```
PS C:\FACULTAD\IngSw3> git clone https://github.com/santiaguero7/IngSw3.git
Cloning into 'IngSw3'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```

- Editar archivo Readme.md, agregar algunas líneas con texto a dicho archivo.

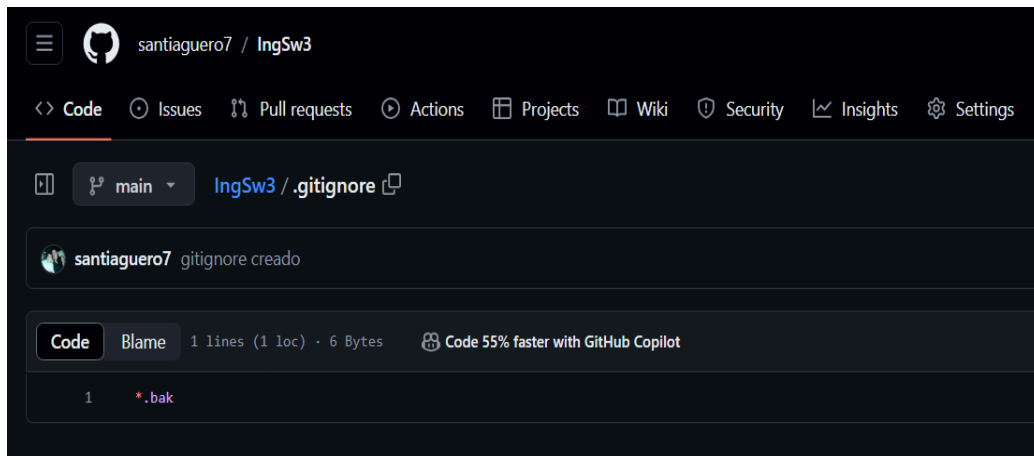
```
PS C:\FACULTAD\IngSw3\IngSw3> git status
On branch main
Your branch is up to date with 'origin/main'.

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")
PS C:\FACULTAD\IngSw3\IngSw3> git add .
PS C:\FACULTAD\IngSw3\IngSw3> git commit -m "Se edito el readme"
[main c293c28] Se edito el readme
 1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\FACULTAD\IngSw3\IngSw3> git pull
Already up to date.
PS C:\FACULTAD\IngSw3\IngSw3> git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 284 bytes | 284.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/santiaguero7/IngSw3.git
 4f7a44b..c293c28  main -> main
PS C:\FACULTAD\IngSw3\IngSw3> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

- **Editar (crearlo si no existe) el archivo .gitignore**  
**Agregar \*.bak**



## 2- Crear Repo local y subirlo a GitHub

- **Agregar archivo Readme.md, agregar algunas líneas con texto a dicho archivo.**
- **Crear archivo .gitignore**
- **Crear un commit y proveer un mensaje descriptivo.**

```
C:\FACULTAD\IngSw3\IngSw3\demotpl>echo. > README.md
C:\FACULTAD\IngSw3\IngSw3\demotpl>echo. > .gitignore
C:\FACULTAD\IngSw3\IngSw3\demotpl>echo *.bak > .gitignore
C:\FACULTAD\IngSw3\IngSw3\demotpl>git add .
C:\FACULTAD\IngSw3\IngSw3\demotpl>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   .gitignore
        new file:   README.md

C:\FACULTAD\IngSw3\IngSw3\demotpl>git commit -m "Se agrego readme y .gitignore"
```

```

C:\FACULTAD\IngSw3\IngSw3\demotpl>git commit -m "Se agrego readme y .gitignore"
[main d0d5e4e] Se agrego readme y .gitignore
2 files changed, 2 insertions(+)
create mode 100644 demotpl/.gitignore
create mode 100644 demotpl/README.md

C:\FACULTAD\IngSw3\IngSw3\demotpl>git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 945 bytes | 135.00 KiB/s, done.
From https://github.com/santiaguero7/IngSw3
   c293c28..0b98a4b  main       -> origin/main
Merge made by the 'ort' strategy.
 .gitignore | 1 +
1 file changed, 1 insertion(+)
create mode 100644 .gitignore

C:\FACULTAD\IngSw3\IngSw3\demotpl>git push origin main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (7/7), 748 bytes | 748.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/santiaguero7/IngSw3.git
   0b98a4b..5d4b573  main -> main

```

- Crear repo en github
- Asociar local con remoto:

```

C:\FACULTAD\IngSw3\IngSw3\demotpl>git remote add origin https://github.com/santiaguero7/IngSw3.git
C:\FACULTAD\IngSw3\IngSw3\demotpl>git branch -M main
C:\FACULTAD\IngSw3\IngSw3\demotpl>

```

### 3- Ramas

- Ver ramas
- Crear rama
- Cambiarnos a la nueva rama

```

C:\FACULTAD\IngSw3\IngSw3\demotpl>git branch -M main

C:\FACULTAD\IngSw3\IngSw3\demotpl>git branch -a
* main

C:\FACULTAD\IngSw3\IngSw3\demotpl>git branch nuevarama

C:\FACULTAD\IngSw3\IngSw3\demotpl>git checkout nuevarama
Switched to branch 'nuevarama'

```

- Hacemos un cambio en un archivo, comiteamos y vemos la diferencia

```

C:\FACULTAD\IngSw3\IngSw3\demotpl>git add .

C:\FACULTAD\IngSw3\IngSw3\demotpl>git commit -m "Cambio en el branch"
On branch nuevarama
nothing to commit, working tree clean

C:\FACULTAD\IngSw3\IngSw3\demotpl>git diff main nuevarama

C:\FACULTAD\IngSw3\IngSw3\demotpl>git branch -a
main
* nuevarama

C:\FACULTAD\IngSw3\IngSw3\demotpl>

```

## 4- Merge

### Fast-Forward Merge (FF):

- Hacemos el merge
- Borramos la rama y vemos el log

```

C:\FACULTAD\IngSw3\IngSw3\demotpl>git branch -a
main
* nuevarama

C:\FACULTAD\IngSw3\IngSw3\demotpl>git checkout main
Switched to branch 'main'

C:\FACULTAD\IngSw3\IngSw3\demotpl>git merge nuevarama
Already up to date.

C:\FACULTAD\IngSw3\IngSw3\demotpl>git push origin main
Everything up-to-date

C:\FACULTAD\IngSw3\IngSw3\demotpl>git branch -d nuevarama
Deleted branch nuevarama (was 5d4b573).

C:\FACULTAD\IngSw3\IngSw3\demotpl>git log --oneline
5d4b573 (HEAD -> main, origin/main) Merge branch 'main' of https://github.com/santiaguero
d0d5e4e Se agrego readme y .gitignore
0b98a4b gitignore creado
c293c28 Se edito el readme
4f7a44b Initial commit

```

### No Fast-Forward Merge (No-FF):

- Creamos nueva rama
- Hacemos un cambio en archivo en rama main, hacemos commit
- Modificamos un archivo y hacemos commit
- Vemos la diferencia entre ramas

```

C:\FACULTAD\IngSw3\IngSw3\demotp1>git branch -a
* main
  nuevarama2
  remotes/origin/main

C:\FACULTAD\IngSw3\IngSw3\demotp1>git status
On branch main
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")

C:\FACULTAD\IngSw3\IngSw3\demotp1>git add .

C:\FACULTAD\IngSw3\IngSw3\demotp1>git commit -m "Se modifico readme rama mai
n"
[main 964b30e] Se modifico readme rama main
 1 file changed, 1 insertion(+), 1 deletion(-)

C:\FACULTAD\IngSw3\IngSw3\demotp1>git diff main nuevarama2
diff --git a/demotp1/README.md b/demotp1/README.md
index 1acce04..8d1c8b6 100644
--- a/demotp1/README.md
+++ b/demotp1/README.md
@@ -1,1 @@
- modificando readme rama main
+

```

- Hacemos el merge:
- Borramos la rama y vemos el log

```

C:\FACULTAD\IngSw3\IngSw3\demotp1>git checkout main
Already on 'main'

C:\FACULTAD\IngSw3\IngSw3\demotp1>git merge nuevarama2 --no-ff -m "merge con no ff"
Already up to date.

C:\FACULTAD\IngSw3\IngSw3\demotp1>git branch -d nuevarama2
Deleted branch nuevarama2 (was 5d4b573).

C:\FACULTAD\IngSw3\IngSw3\demotp1>git log --oneline --graph --decorate
* 964b30e (HEAD -> main) Se modifico readme rama main
* 5d4b573 (origin/main) Merge branch 'main' of https://github.com/santiaguero7/IngSw3
| \
| * 0b98a4b gitignore creado
* | d0d5e4e Se agrego readme y .gitignore
| /
* c293c28 Se edito el readme
* 4f7a44b Initial commit

C:\FACULTAD\IngSw3\IngSw3\demotp1>

```

## Instalación de merge y diff

```
MINGW64:/c:/Users/aguer/OneDrive/Escritorio
aguer@NotebookdeSanti MINGW64 ~/OneDrive/Escritorio
$ git config --global merge.tool p4merge
aguer@NotebookdeSanti MINGW64 ~/OneDrive/Escritorio
$ git config --global mergetool.p4merge.path "C:\Program Files\Perforce\p4merge.exe"
aguer@NotebookdeSanti MINGW64 ~/OneDrive/Escritorio
$ git config --global mergetool.prompt false
aguer@NotebookdeSanti MINGW64 ~/OneDrive/Escritorio
$ git config --global diff.tool p4merge
aguer@NotebookdeSanti MINGW64 ~/OneDrive/Escritorio
$ git config --global difftool.p4merge.path "C:\Program Files\Perforce\p4merge.exe"
aguer@NotebookdeSanti MINGW64 ~/OneDrive/Escritorio
$ git config --global difftool-prompt false
error: key does not contain a section: difftool-prompt
aguer@NotebookdeSanti MINGW64 ~/OneDrive/Escritorio
$ git config --global difftool.prompt false
```

## 5- Resolución de conflictos

```
C:\FACULTAD\IngSw3\IngSw3\demotpl>git checkout -b conflictBranch
Switched to a new branch 'conflictBranch'

C:\FACULTAD\IngSw3\IngSw3\demotpl>git checkout main
Switched to branch 'main'

C:\FACULTAD\IngSw3\IngSw3\demotpl>echo "Modificación en main" > Readme.md

C:\FACULTAD\IngSw3\IngSw3\demotpl>git add Readme.md
```

```
C:\FACULTAD\IngSw3\IngSw3\demotpl>git commit -m "Modificacion en la linea 1 desde main"
On branch main
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")

C:\FACULTAD\IngSw3\IngSw3\demotpl>git checkout conflictBranch
Switched to branch 'conflictBranch'
M       demotpl/README.md

C:\FACULTAD\IngSw3\IngSw3\demotpl>echo "Modificación en conflictBranch" > Readme.md

C:\FACULTAD\IngSw3\IngSw3\demotpl>git add Readme.md
```

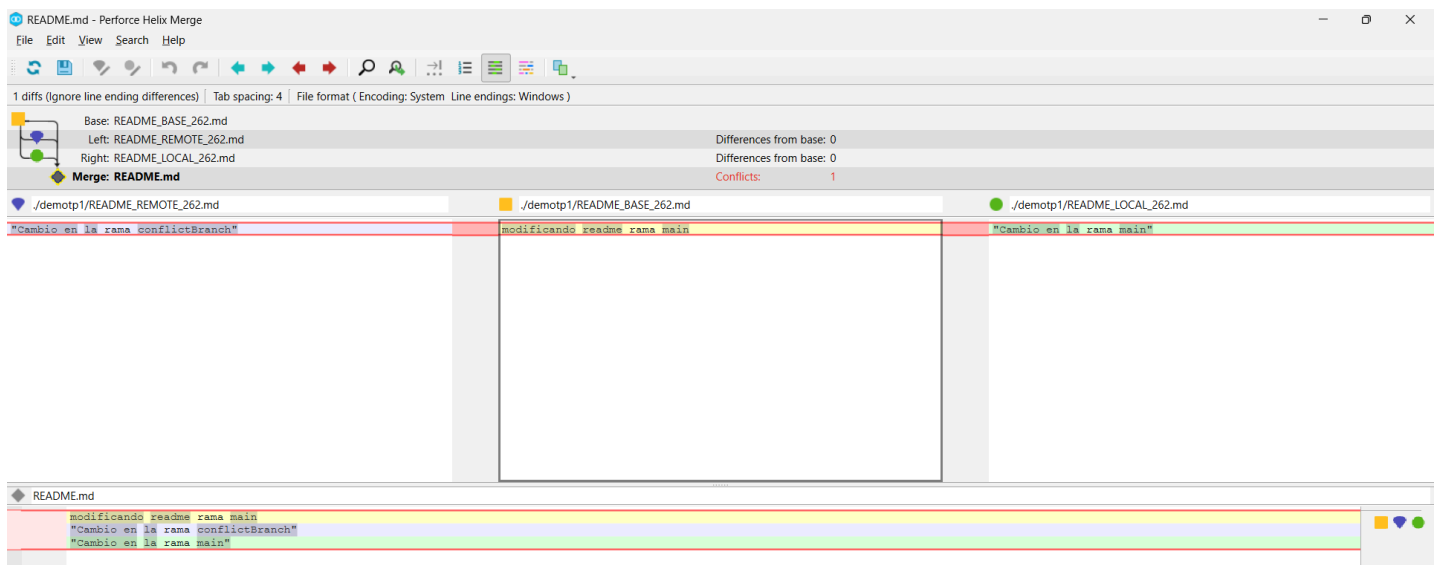
```
C:\FACULTAD\IngSw3\IngSw3\demotp1>git commit -m "Modificacion en la linea 1
desde conflictBranch"
On branch conflictBranch
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

C:\FACULTAD\IngSw3\IngSw3\demotp1>git difftool main conflictBranch

C:\FACULTAD\IngSw3\IngSw3\demotp1>git checkout main
Switched to branch 'main'
M       demotp1/README.md

C:\FACULTAD\IngSw3\IngSw3\demotp1>git merge conflictBranch
Already up to date.
```



## 6-Pull Request

Un pull request (PR) es una solicitud para que los cambios realizados en una rama de un repositorio se integren en otra rama. Es una forma de colaborar y revisar el código antes de que se fusionen los cambios.





```
C:\FACULTAD\IngSw3\IngSw3\demotp1>git checkout -b pruebapull
Switched to a new branch 'pruebapull'


C:\FACULTAD\IngSw3\IngSw3\demotp1>gid add .
"gid" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.

C:\FACULTAD\IngSw3\IngSw3\demotp1>git add .

C:\FACULTAD\IngSw3\IngSw3\demotp1>git commit -m "prueba de pull"
[pruebapull b281871] prueba de pull
 2 files changed, 9 insertions(+)
 create mode 100644 demotp1/README.md.orig


C:\FACULTAD\IngSw3\IngSw3\demotp1>git push origin pruebapull
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 4 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (12/12), 1.10 KiB | 1.10 MiB/s, done.
Total 12 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
remote:
remote: Create a pull request for 'pruebapull' on GitHub by visiting:
remote:   https://github.com/santiaguero7/IngSw3/pull/new/pruebapull
remote:
To https://github.com/santiaguero7/IngSw3.git
 * [new branch]      pruebapull -> pruebapull
```

santiaguero7 / IngSw3


[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) 


Label issues and pull requests for new contributors [Dismiss](#)



Now, GitHub will help potential first-time contributors [discover issues](#) labeled with [good first issue](#)


 pruebapull had recent pushes less than a minute ago [Compare & pull request](#)

[Labels](#) [Milestones](#) [New](#)

Filters 

 is:pr is:open

 0 Open  0 Closed



## Welcome to pull requests!