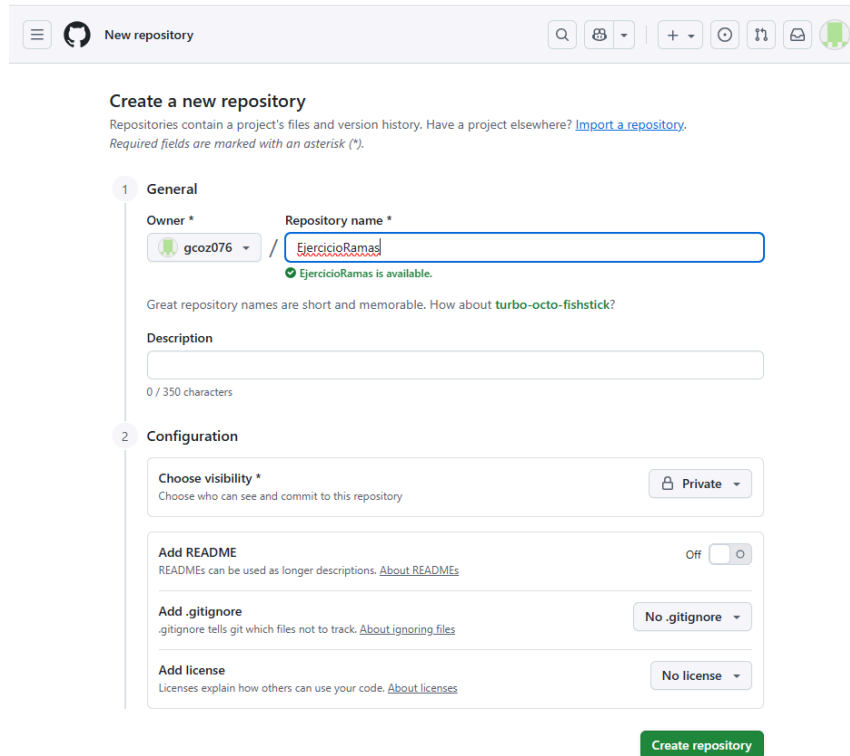


## Trabajamos con ramas - Evaluable

### Apartado 1: Grupo

Esta tarea debe ser realizada en grupos de 3 personas. Debéis entregar de manera individual el paso a paso en un documento en la tarea de la Moodle.

1. Crear un repositorio privado y añade de colaborador a tus dos compañeros



The screenshot shows the GitHub 'Create a new repository' page. At the top, there's a header with the GitHub logo and 'New repository'. Below it, a section titled 'Create a new repository' explains that repositories contain project files and version history, with a link to 'Import a repository'. It notes that required fields are marked with an asterisk (\*).

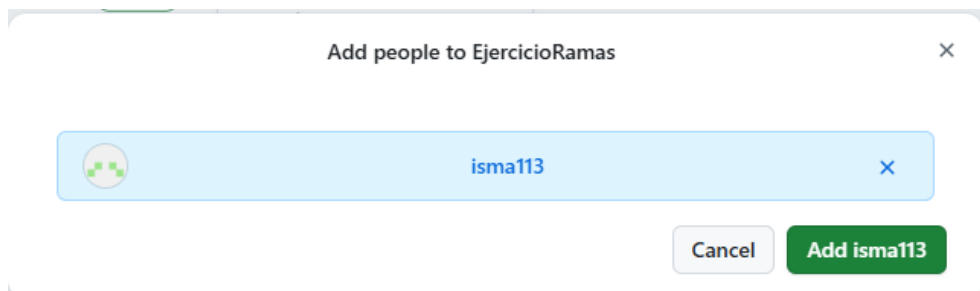
The form is divided into two sections: '1 General' and '2 Configuration'.

In the 'General' section, the 'Owner' is set to 'gcoz076'. The 'Repository name' is 'EjercicioRamas', with a green checkmark indicating it's available. A description field is empty, with a character count of '0 / 350 characters'.

In the '2 Configuration' section, 'Choose visibility' is set to 'Private'. 'Add README' is turned 'Off'. 'Add .gitignore' is set to 'No .gitignore'. 'Add license' is set to 'No license'.

A green 'Create repository' button is at the bottom right.

2. Añade un fichero hola.txt



The screenshot shows a dialog box titled 'Add people to EjercicioRamas'. It has a close button (X) in the top right corner. Inside the dialog, there's a search bar with a green checkmark icon on the left and a blue bar containing the text 'isma113' and a close button (X) on the right. At the bottom right, there are two buttons: 'Cancel' and 'Add isma113'.

3. Clónate el repositorio.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\Alumno\Desktop\1DAM> git clone https://github.com/gcoz076/EjercicioRamas.git
Cloning into 'EjercicioRamas'...
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.
PS C:\Users\Alumno\Desktop\1DAM> |
```

## Apartado 2: Individual

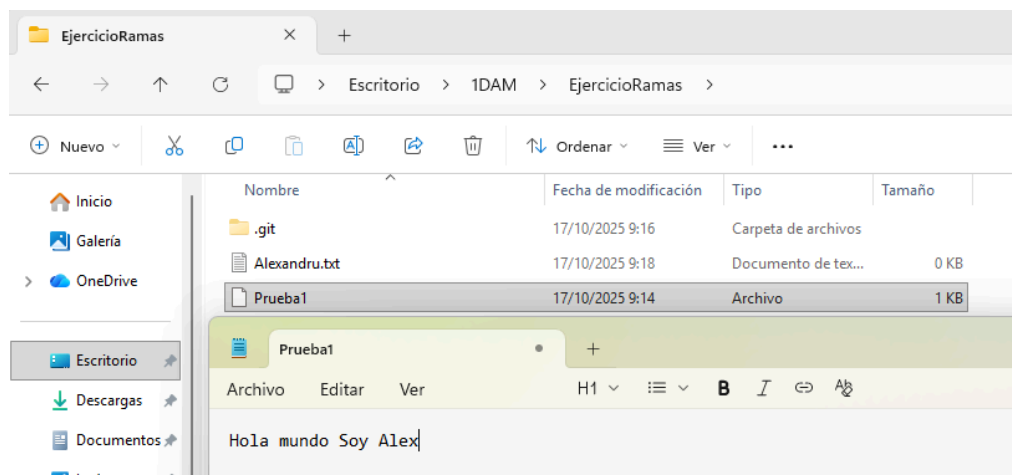
1. Crea una rama con tu nombreFeature.

```
PS C:\Users\Alumno\Desktop\1DAM> cd Ejer*
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git branch AlexFeature
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git branch -a
AlexFeature
* main
remotes/origin/HEAD -> origin/main
remotes/origin/main
```

2. Apunta para que tu local trabaje con esa rama.

```
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git switch AlexFeature
Switched to branch 'AlexFeature'
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git branch -a
* AlexFeature
main
remotes/origin/HEAD -> origin/main
remotes/origin/main
```

3. Realiza dos cambios: uno añadiendo un fichero llamado tuNombre.txt y otro modificando hola.txt



4. Propaga el cambio desde tu local a tu rama

```
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git add .
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git commit -m "Subo ficheros"
[AlexFeature 618bc8b] Subo ficheros
2 files changed, 2 insertions(+), 1 deletion(-)
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git push -u origin AlexFeatures
error: src refspec AlexFeatures does not match any
error: failed to push some refs to 'https://github.com/gcoz076/EjercicioRamas.git'
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git push -u origin AlexFeature
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (7/7), 555 bytes | 555.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'AlexFeature' on GitHub by visiting:
remote:   https://github.com/gcoz076/EjercicioRamas/pull/new/AlexFeature
remote:
To https://github.com/gcoz076/EjercicioRamas.git
 * [new branch]      AlexFeature -> AlexFeature
branch 'AlexFeature' set up to track 'origin/AlexFeature'.
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> |
```

### Apartado 3: Grupal Integramos las ramas.

1. Establecer un orden de manera que cada uno será responsable de integrar la rama de otro de sus compañeros. Cada uno de vosotros/as ejercerá de responsable de integración por turnos. Integraremos los cambios en una de las ramas creadas

```
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git switch AlexFeature
Switched to branch 'AlexFeature'
Your branch is up to date with 'origin/AlexFeature'.
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git merge origin/ismaelFeature -m "Integramos ramas"
Merge made by the 'ort' strategy.
 IsmaelRuiz.txt | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 IsmaelRuiz.txt
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 334 bytes | 334.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/gcoz076/EjercicioRamas.git
 618bc8b..10d36e0 AlexFeature -> AlexFeature
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> |
```

2. Si aparecen **conflictos**, resolvedlos en grupo:

### Apartado 4: Fusionar con rama principal Grupal

1. Definir un responsable de integración.

```
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git merge origin/ismaelFeature -m "Soy Alex y subo cambios de mi compañero"
Updating 54912ce..4f73b85
Fast-forward (no commit created; -m option ignored)
 IsmaelRuiz.txt | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 IsmaelRuiz.txt
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git push
To https://github.com/gcoz076/EjercicioRamas.git
 ! [rejected]        main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/gcoz076/EjercicioRamas.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.
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git pull
From https://github.com/gcoz076/EjercicioRamas
 54912ce..618bc8b  main      -> origin/main
Merge made by the 'ort' strategy.
 Alexandru.txt | 1 +
 Pruebal      | 2 +-
 2 files changed, 2 insertions(+), 1 deletion(-)
 create mode 100644 Alexandru.txt
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git add .
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git commit -m "Soy Alex, me a dado fallo, hago pull y subo de nuevo"
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\Alumno\Desktop\1DAM\EjercicioRamas> git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 371 bytes | 371.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/gcoz076/EjercicioRamas.git
 618bc8b..3fcc9c7  main -> main
```

2. Esta persona debe fusionar nuestros cambios de la rama anterior a la rama principal.