

Tarea 2

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Rodrigo Eduardo Ramirez Calderon - 23993

Pablo Andre Orellana Mijangos - 20555

- Crear un repositorio en GITHUB, otorgar permisos a los otros dos estudiantes

The screenshot displays the GitHub interface for a public repository named 'TAREA-2' owned by 'PabllorellanaM'. The repository has 1 watch, 0 forks, and 0 stars. The main content area includes a 'Set up GitHub Copilot' button, an 'Add collaborators' button, and a 'Quick setup' section with instructions for setting up the repository on a desktop or via command line. The 'Manage access' section is expanded, showing a list of collaborators: 'dils1809' and 'Rodrigo Ramirez'. The 'Add people' button is visible in the top right of the 'Manage access' section.

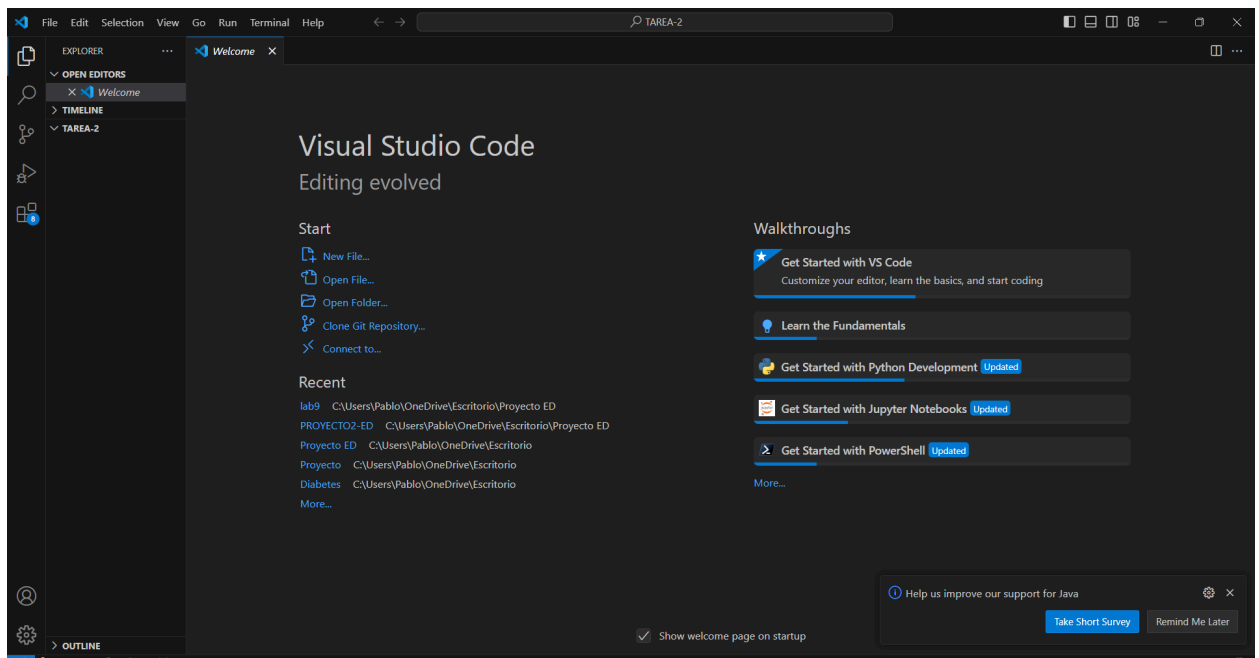
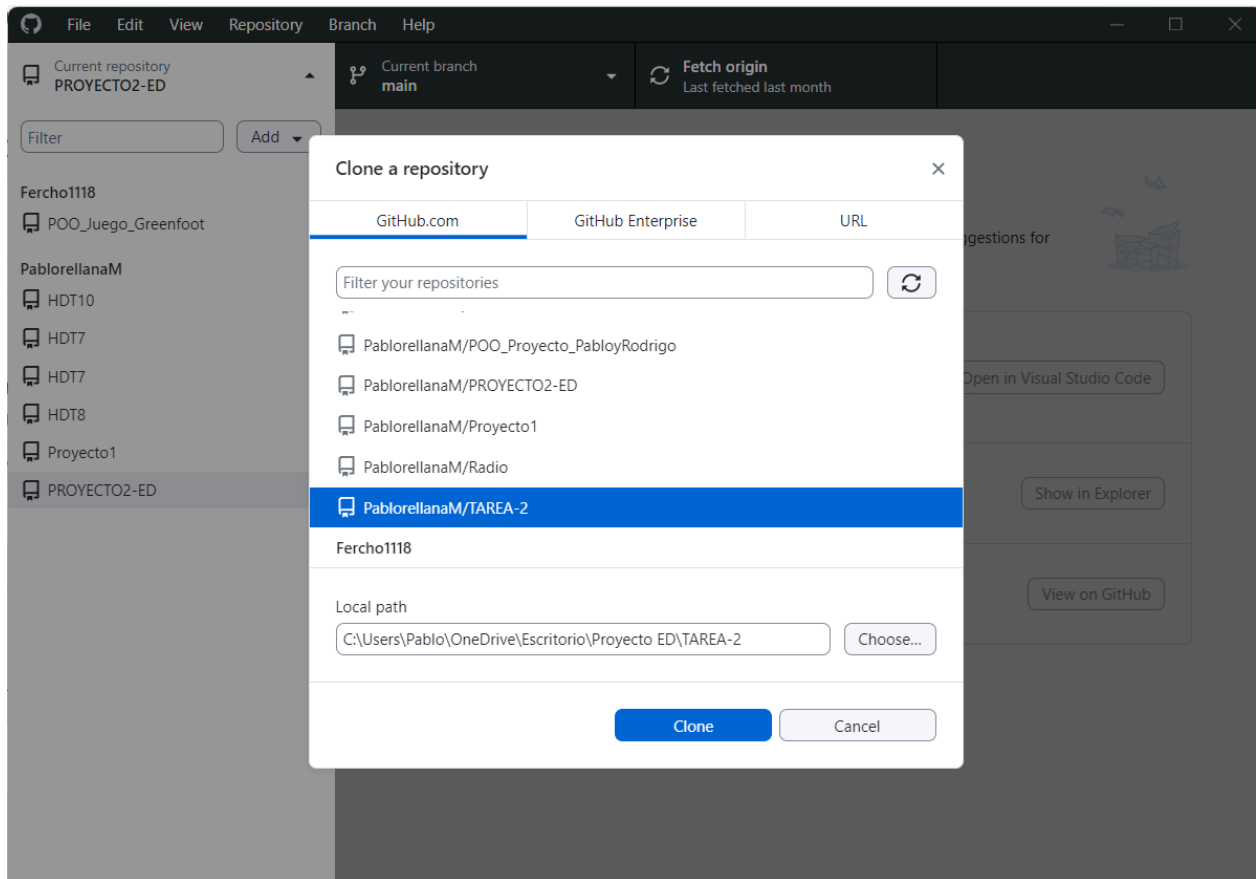
Collaborators

Manage access

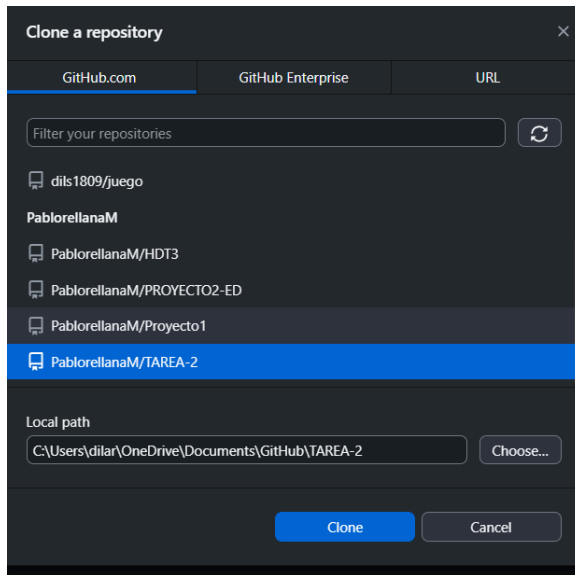
Select	Collaborator	Type
<input type="checkbox"/>	dils1809 Collaborator	
<input type="checkbox"/>	Rodrigo Ramirez Guallitoprogra • Collaborator	

- Clonarlo cada uno en su computadora.

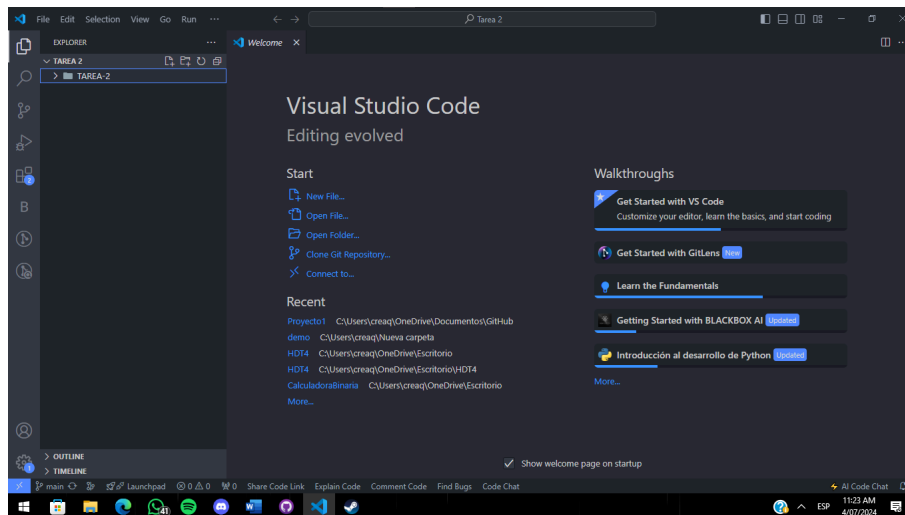
Pablo Orellana

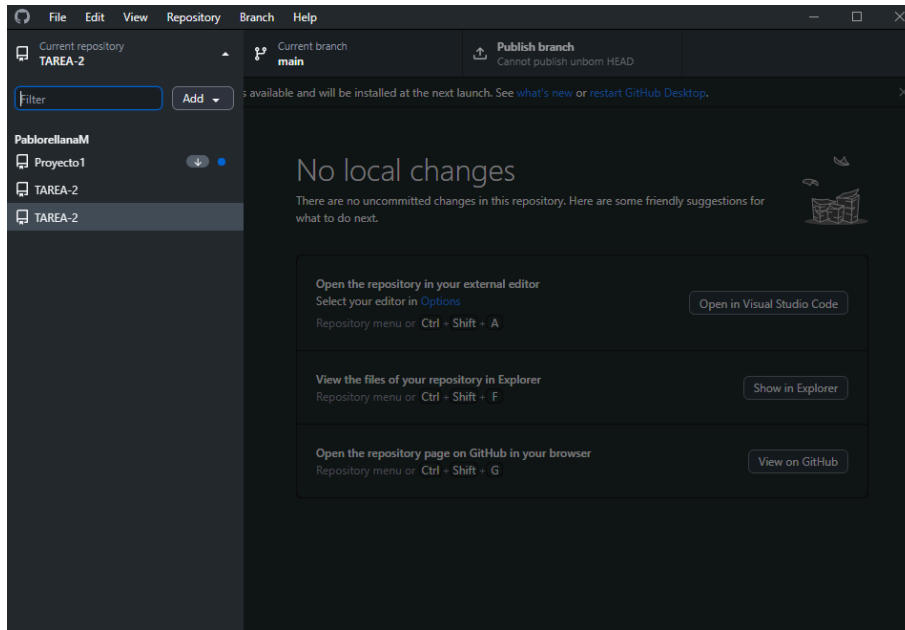


Dilary Cruz

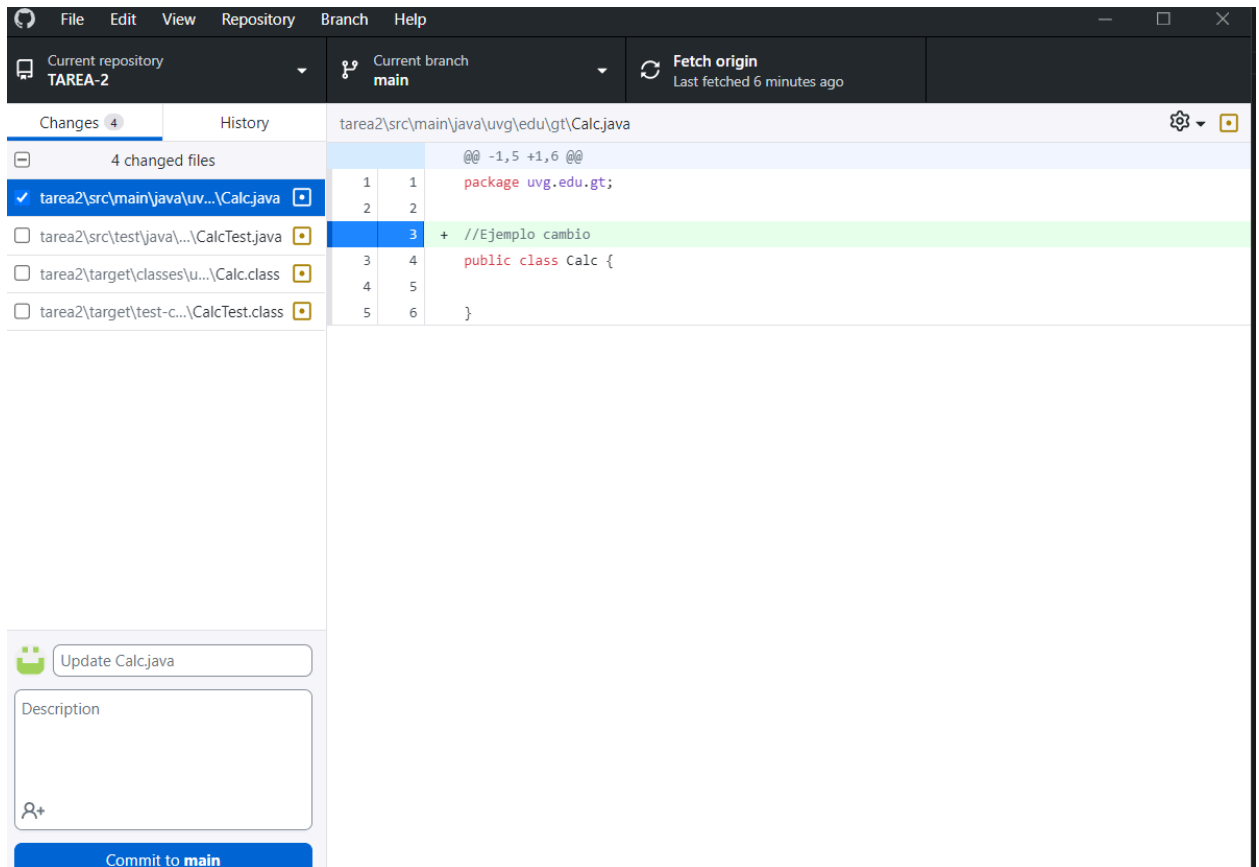


Rodrigo Ramírez

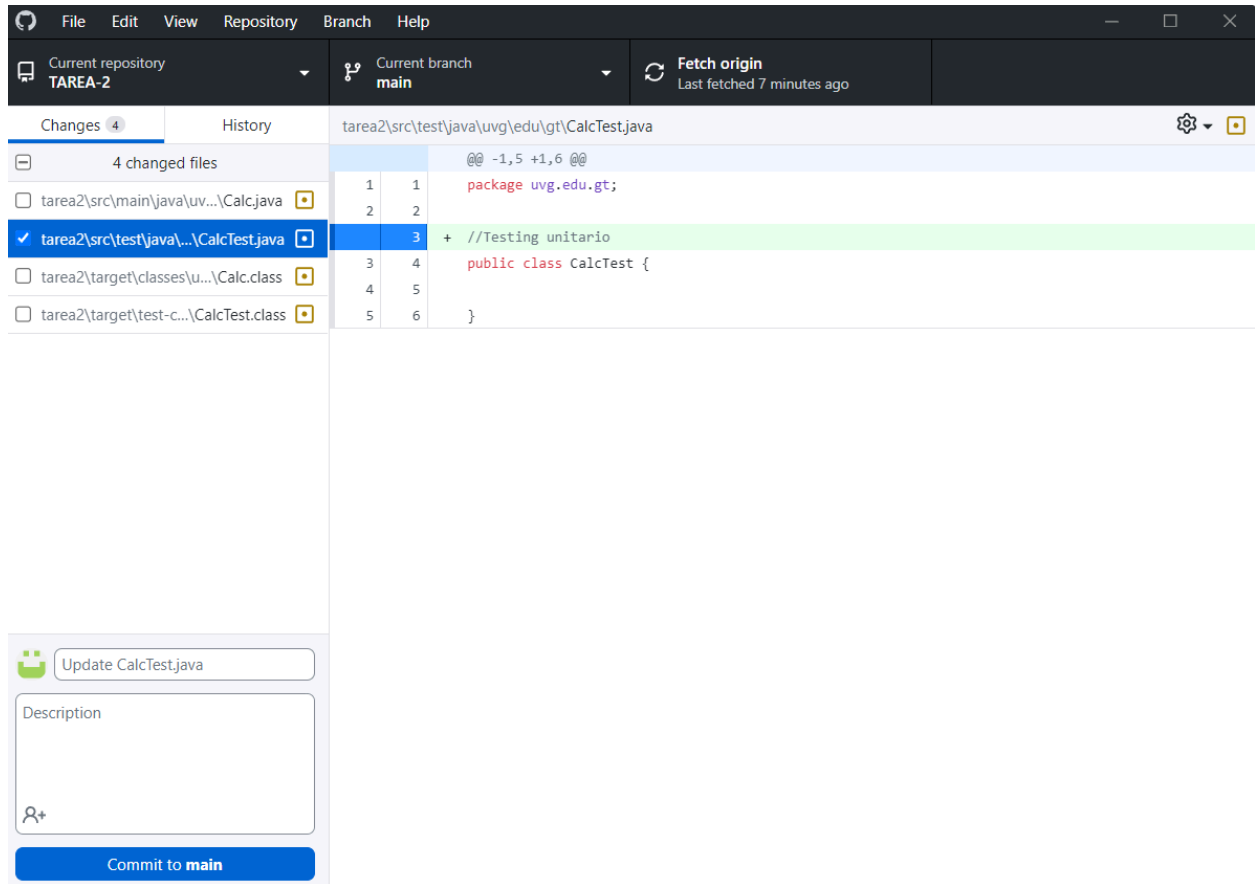




- **Primer Commit Carpeta Srcs (Clase Calc.java)**



- **Segundo Commit Test (Clase CalcTest.java)**



- **Commit Documento (Screenshots.docx)**

- Historial

FileEditViewRepositoryBranchHelp

Current repository
TAREA-2

Current branch
main

Fetch origin
Last fetched just now

ChangesHistory

No branches to compare

Update

PablorellanaM • just now

Update CalcTest.java

PablorellanaM • 1 minute ago

CREATING CLASSES

PablorellanaM • 11 minutes ago

MAVEN STRCTR

PablorellanaM • 17 minutes ago

MAVEN STRCTR

PablorellanaM • ceb5c37 • +108 -0

3 changed files

tarea2\pom.xml

tarea2\src\main\java\uvg\e...\App.java

tarea2\src\test\java\uvg...\AppTest.java

tarea2\pom.xml

@@ -0,0 +1,75 @@

1 + <?xml version="1.0" encoding="UTF-8"?>

2 +

3 + <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:

4 + xsi="http://www.w3.org/2001/XMLSchema-instance"

5 + xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 h

6 + ttp://maven.apache.org/xsd/maven-4.0.0.xsd">

7 + <modelVersion>4.0.0</modelVersion>

8 +

9 + <groupId>uvg.edu.gt</groupId>

10 + <artifactId>tarea2</artifactId>

11 + <version>y</version>

12 +

13 + <name>tarea2</name>

14 + <!-- FIXME change it to the project's website -->

15 + <url>http://www.example.com</url>

16 +

17 + <properties>

18 + <project.build.sourceEncoding>UTF-8</project.build.so

19 + urceEncoding>

20 + <maven.compiler.source>1.7</maven.compiler.source>

21 + <maven.compiler.target>1.7</maven.compiler.target>

22 + </properties>

23 +

24 + <dependencies>

File Edit View Repository Branch Help

Current repository: TAREA-2

Current branch: main

Fetch origin: Last fetched 1 minute ago

Changes: No branches to compare

History: Update (PablorellanaM • 1 minute ago), Update CalcTest.java (PablorellanaM • 1 minute ago), **CREATING CLASSES (PablorellanaM • 11 minutes ago)**, MAVEN STRCTR (PablorellanaM • 17 minutes ago)

8 changed files

tarea2\src\main\java\uvg\edu\gt\App.java

```
@@ -1,13 +0,0 @@
1  - package uvg.edu.gt;
2  -
3  - /**
4  -  * Hello world!
5  -  *
6  -  */
7  - public class App
8  - {
9  -     public static void main( String[] args )
10 -     {
11 -         System.out.println( "Hello World!" );
12 -     }
13 - }
```

File Edit View Repository Branch Help

Current repository
TAREA-2

Current branch
main

Fetch origin
Last fetched 1 minute ago

Changes History

No branches to compare

Update
PablorellanaM • 1 minute ago

Update CalcTest.java
PablorellanaM • 1 minute ago

CREATING CLASSES
PablorellanaM • 11 minutes ago

MAVEN STRCTR
PablorellanaM • 17 minutes ago

Update CalcTest.java

PablorellanaM 5131c6a +1 -0

1 changed file

tarea2\src\test\java\uvg\edu\gt\CalcTest.java

tarea2\src\test\java\uvg... \CalcTest.java

1	1	@@ -1,5 +1,6 @@
2	2	package uvg.edu.gt;
3	3	+ //Testing unitario
4	4	public class CalcTest {
5	5	
6	6	}

File Edit View Repository Branch Help

Current repository: TAREA-2

Current branch: main

Fetch origin: Last fetched 2 minutes ago

Changes History

No branches to compare

Update

PablorellanaM • 1 minute ago

Update CalcTest.java

PablorellanaM • 1 minute ago

CREATING CLASSES

PablorellanaM • 12 minutes ago

MAVEN STRCTR

PablorellanaM • 18 minutes ago

Update

3 changed files

tarea2\src\main\java\uvg\edu\gt\Calc.java

tarea2\src\main\java\uvg\edu\gt\Calc.java

@@ -1,5 +1,6 @@

package uvg.edu.gt;

tarea2\target\classes\uvg\edu\gt\Calc.class

tarea2\target\test-classes\uvg\edu\gt\CalcTest.class

1 1 @@ -1,5 +1,6 @@

2 2 package uvg.edu.gt;

3 3 + //Ejemplo cambio

4 4 public class Calc {

5 5 }

● Simulación Conflicto

- Cambio Estudiante 1

```

public class UI {
    Run | Debug
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        Calc calculadora = new Calc();

        System.out.println(x:"Ingrese el primer número:");
        int n1 = scanner.nextInt();
        System.out.println(x:"Ingrese el segundo número:");
        int n2 = scanner.nextInt();
        // Ejemplo Cambio
        System.out.println(x:"Elija una operación: 1. Suma 2. Resta 3. Multiplicación");
        int opcion = scanner.nextInt();

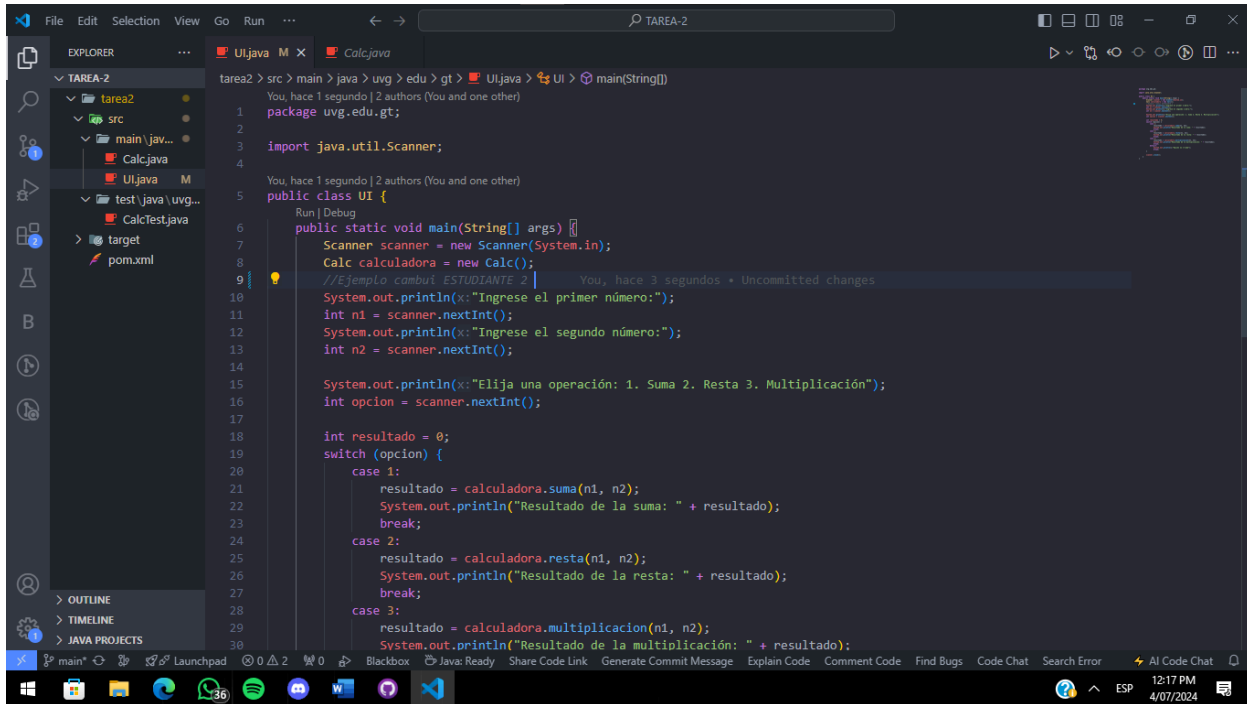
        int resultado = 0;
        switch (opcion) {
            case 1:
                resultado = calculadora.suma(n1, n2);
                System.out.println("Resultado de la suma: " + resultado);
                break;
            case 2:
                resultado = calculadora.resta(n1, n2);
                System.out.println("Resultado de la resta: " + resultado);
                break;
            case 3:
                resultado = calculadora.multiplicacion(n1, n2);
                System.out.println("Resultado de la multiplicación: " + resultado);
                break;
            default:
                System.out.println(x:"Opción no válida");
                break;
        }

        scanner.close();
    }
}

```

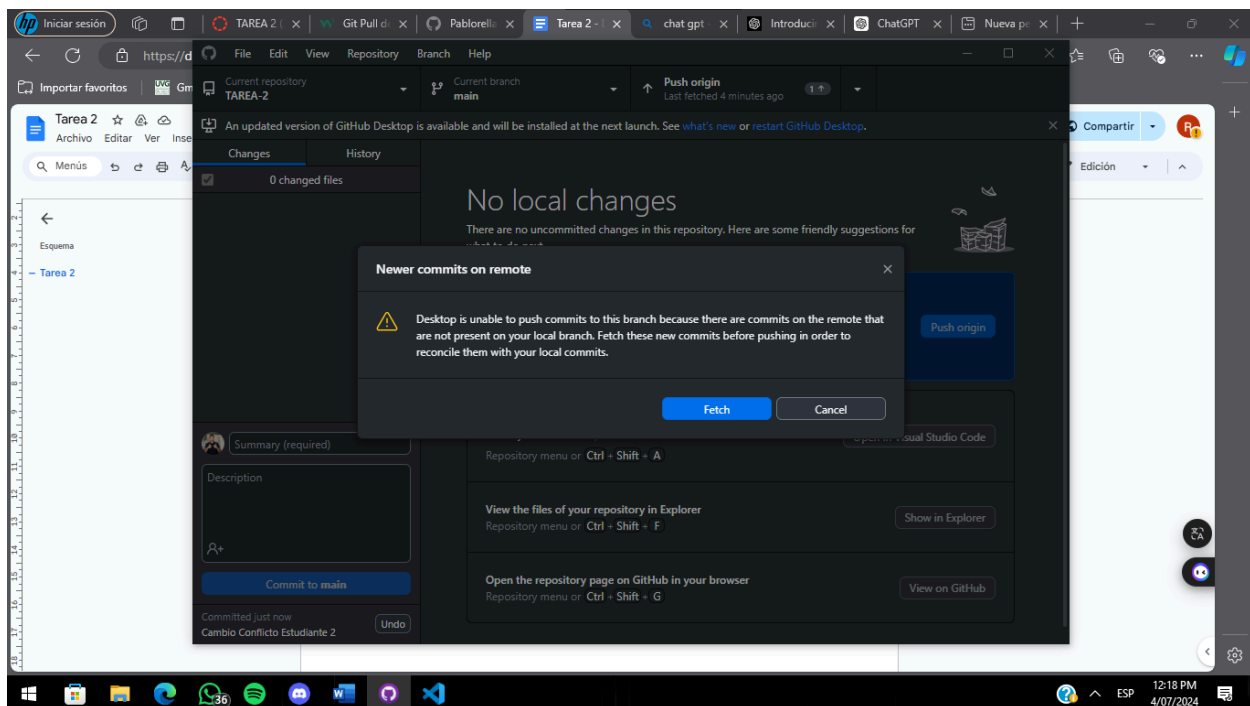
Cambio Conflicto EST1 PablorellanaM • just now	1 changed file tarea2\src\main\java\uvg\edu...\UI.java	tarea2\src\main\java\uvg\edu\gt\UI.java @@ -11,7 +11,7 @@ public class UI { 11 11 int n1 = scanner.nextInt(); 12 12 System.out.println("Ingrese el segundo número:"); 13 13 int n2 = scanner.nextInt(); 14 - 14 + // Ejemplo Cambio 15 15 System.out.println("Elija una operación: 1. Suma 2 16 16 Resta 3. Multiplicación"); 17 17 int opcion = scanner.nextInt();
TestMultiplicación dils1809 • 4 minutes ago		
TestResta dils1809 • 7 minutes ago		
TestSuma dils1809 • 10 minutes ago		
Corregción Rodrigo Ramirez • 12 minutes ago		
2 Update UI Rodrigo Ramirez • 17 minutes ago		
Update of class UI Rodrigo Ramirez • 22 minutes ago		

- Cambio Estudiante 2

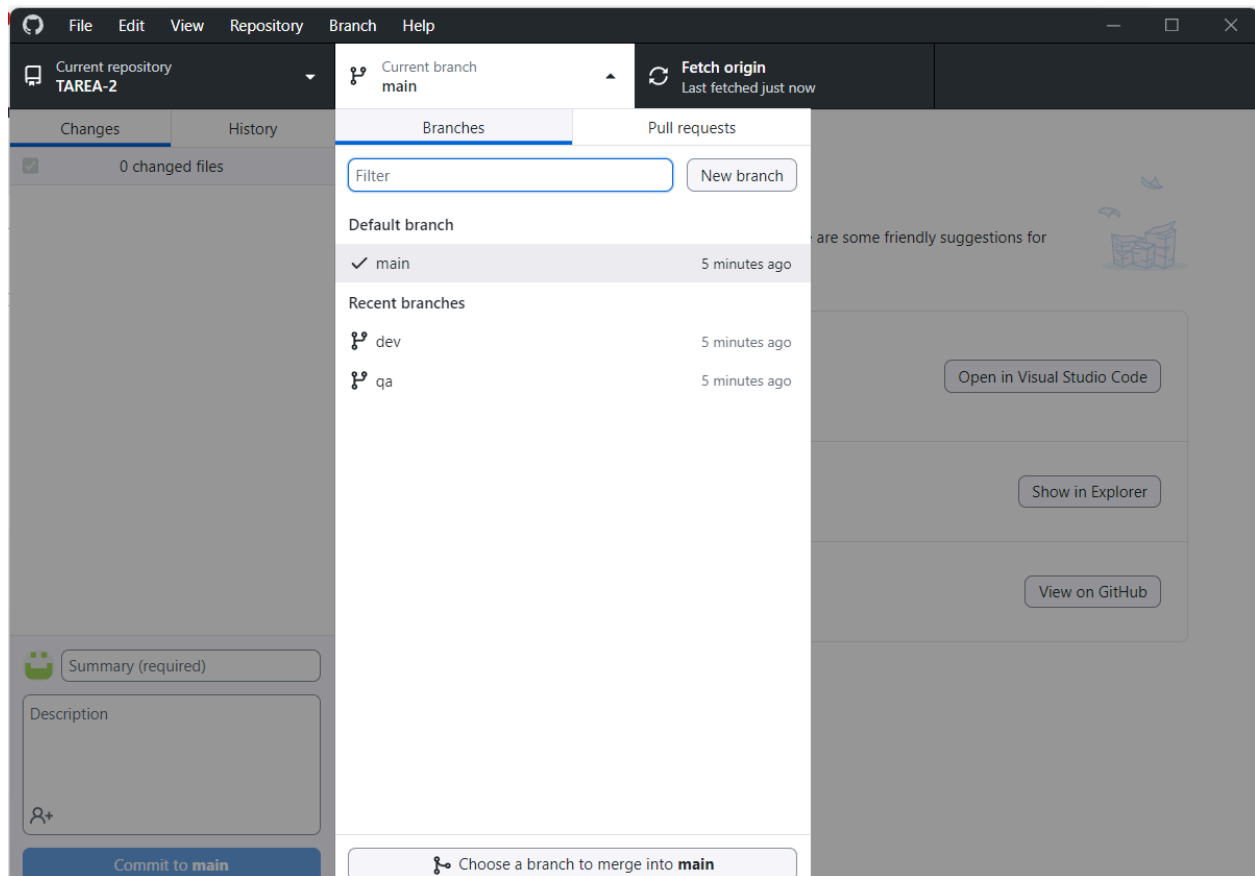


```
1 package uvg.edu.gt;
2
3 import java.util.Scanner;
4
5 public class UI {
6     public static void main(String[] args) {
7         Scanner scanner = new Scanner(System.in);
8         Calc calculadora = new Calc();
9         //Ejemplo cambi ESTUDIANTE 2
10        System.out.println("Ingrese el primer número:");
11        int n1 = scanner.nextInt();
12        System.out.println("Ingrese el segundo número:");
13        int n2 = scanner.nextInt();
14
15        System.out.println("Elija una operación: 1. Suma 2. Resta 3. Multiplicación");
16        int opcion = scanner.nextInt();
17
18        int resultado = 0;
19        switch (opcion) {
20            case 1:
21                resultado = calculadora.suma(n1, n2);
22                System.out.println("Resultado de la suma: " + resultado);
23                break;
24            case 2:
25                resultado = calculadora.resta(n1, n2);
26                System.out.println("Resultado de la resta: " + resultado);
27                break;
28            case 3:
29                resultado = calculadora.multiplicacion(n1, n2);
30                System.out.println("Resultado de la multiplicación: " + resultado);
```

- Mensaje de error Estudiante 2



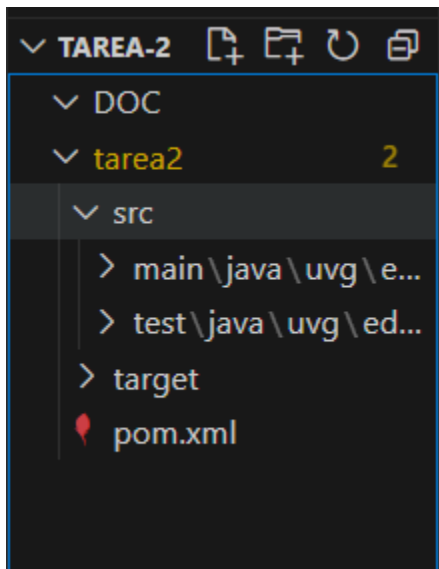
- Creacion de Branches



Pablo Orellana: Demostración del "git revert"

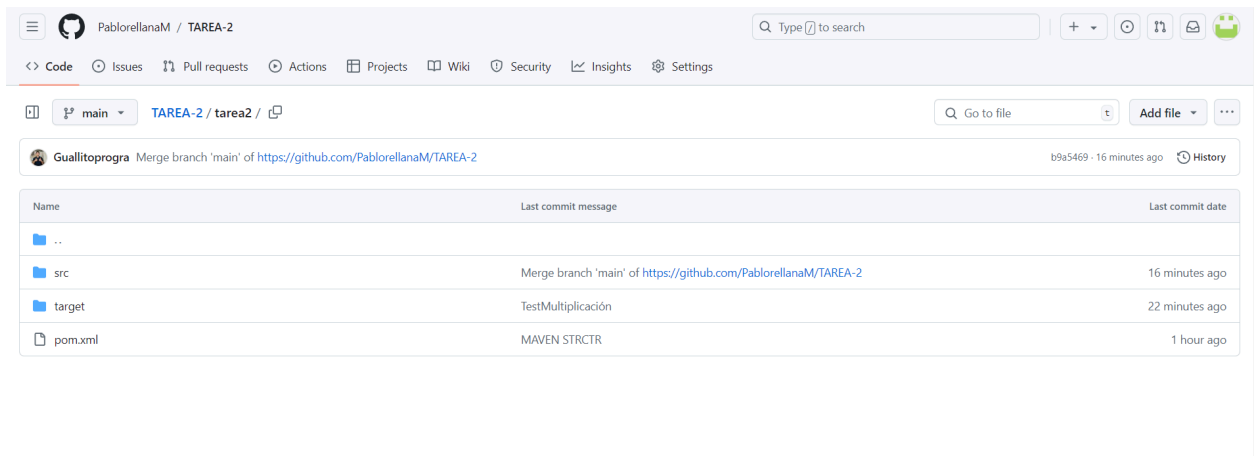
- **Paso 1:**

Crear un Proyecto Maven:




- **Paso 2:**




Inicializar un Repositorio en GitHub








- **Paso 3:**

Hacer el Primer Commit

MAVEN STRCTR 

 PablorellanaM  ceb5c37  +108 -0

3 changed files		tarea2\pom.xml  
tarea2\pom.xml 		<pre>@@ -0,0 +1,75 @@ 1 + <?xml version="1.0" encoding="UTF-8"?> 2 + 3 + <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns: 4 + xsi="http://www.w3.org/2001/XMLSchema-instance" 5 + xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 h 6 + http://maven.apache.org/xsd/maven-4.0.0.xsd"> 7 + <modelVersion>4.0.0</modelVersion> 8 + 9 + <groupId>uvg.edu.gt</groupId> 10 + <artifactId>tarea2</artifactId> 11 + <version>y</version> 12 + 13 + <name>tarea2</name> 14 + <!-- FIXME change it to the project's website --> 15 + <url>http://www.example.com</url> 16 + 17 + <properties> 18 + <project.build.sourceEncoding>UTF-8</project.build.so 19 + urceEncoding> 20 + <maven.compiler.source>1.7</maven.compiler.source> 21 + <maven.compiler.target>1.7</maven.compiler.target> 22 + </properties> 23 + 24 + <dependencies></pre>
tarea2\src\main\java\uvg\e...\App.java 		
tarea2\src\test\java\uvg...\AppTest.java 		

- **Paso 4:**

Agregar la Clase Calc.java y hacer el commit

CREATING CLASSES

PablorellanaM 4f1f0c9 +15 -33

8 changed files		tarea2\src\main\java\uvg\edu\gt\Calc.java	@@ -0,0 +1,5 @@
tarea2\src\main\java\uvg\edu\gt\App.java	[-]	1	+ package uvg.edu.gt;
tarea2\src\main\java\uvg\edu\gt\Calc.java	[+]	2	+
tarea2\src\main\java\uvg\edu\gt\UI.java	[+]	3	+ public class Calc {
tarea2\src\test\java\uvg\edu\gt\AppTest.java	[-]	4	+
tarea2\src\test\java\uvg\edu\gt\CalcTest.java	[+]	5	+ }

- **Paso 5:**

Agregar Clase UI.java

CREATING CLASSES

PablorellanaM 4f1f0c9 +15 -33

8 changed files		tarea2\src\main\java\uvg\edu\gt\UI.java	@@ -0,0 +1,5 @@
tarea2\src\main\java\uvg\edu\gt\App.java	[-]	1	+ package uvg.edu.gt;
tarea2\src\main\java\uvg\edu\gt\Calc.java	[+]	2	+
tarea2\src\main\java\uvg\edu\gt\UI.java	[+]	3	+ public class UI {
tarea2\src\test\java\uvg\edu\gt\AppTest.java	[-]	4	+
		5	+ }

- **Paso 6:**

Verificar el Historial del Commits

```
git log --oneline
```

se debe de ver algo como esto:

```
d6e8f8f (HEAD -> main) Agregar la clase UI.java
c1f8b2b Agregar la clase Calc.java
a1e5d8c Inicializar el proyecto Maven con arquetipo quickstart
```

- **Paso 7:**

Revertir un Commit

```
git revert d6e8f8f
```

Se mostrará un mensaje para confirmar el revert

```
Revert "Agregar la clase UI.java"

This reverts commit d6e8f8f.

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch main
# Changes to be committed:
#   modified:   src/main/java/com/ejemplo/UI.java
#
```

- **Paso 8:**

Verificar el Estado del Repositorio

```
git log --oneline
```

Se mostrará esto:

```
f2c9d8e (HEAD -> main) Revert "Agregar la clase UI.java"  
d6e8f8f Agregar la clase UI.java  
c1f8b2b Agregar la clase Calc.java  
a1e5d8c Inicializar el proyecto Maven con arquetipo quickstart
```

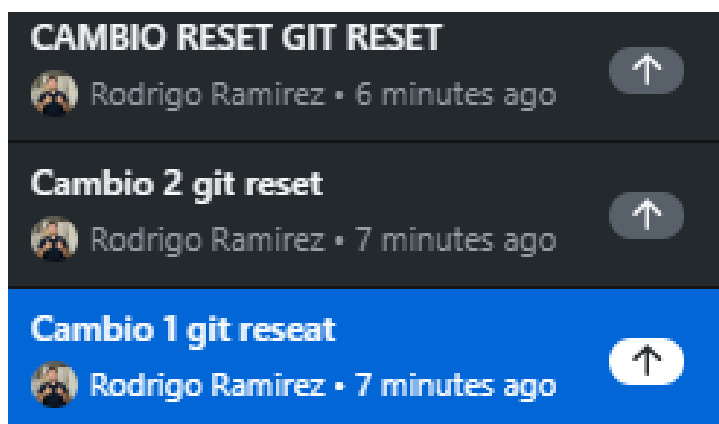
- **Paso 9:**

Verificar los Archivos del Repositorio

Calc.java

Rodrigo Ramirez: Demostración del "git reset"

1. Cambiar a la rama principal
 - a. **git checkout main**
2. Actualizar la rama principal
 - a. **git pull origin main**
3. Crear los 3 commits que se desean eliminar



4. Usar el comando git log --oneline

```
b9a5469 (HEAD -> main, origin/qa, origin/dev) Merge branch 'main' of https://github.com/PablorellanaM/TAREA-2
ebd1cfa Cambio Conflicto Estudiante 2
4d45e3d Cambio Conflicto EST1
5d054a3 TestMultiplicación
47136fc TestResta
baf1ad6 TestSuma
...skipping...
b9a5469 (HEAD -> main, origin/qa, origin/dev) Merge branch 'main' of https://github.com/PablorellanaM/TAREA-2
ebd1cfa Cambio Conflicto Estudiante 2
4d45e3d Cambio Conflicto EST1
5d054a3 TestMultiplicación
47136fc TestResta
baf1ad6 TestSuma
6a3867e Corrección
0d9f368 2 Update UI
83c4002 Update of class UI
f686454 Crear Método de Multiplicacion
c41a743 Crear Metodo de Resta
c3238cf Crear Metodo de Suma
e548667 Crear Metodo de suma
c0aa995 Update
5131c6a Update CalcTest.java
4f1f0c9 CREATING CLASSES
ceb5c37 MAVEN STRCTR
```

5. Usar el comando git reset luego de identificar el comando del commit el cual queremos regresar

```
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR GITLENS

d421f57 Cambio 2 git reset
aaccde7 Cambio 1 git resear
b9a5469 (origin/qa, origin/dev) Merge branch 'main' of https://github.com/PablorellanaM/TAREA-2
4d45e3d Cambio Conflicto EST1
PS C:\Users\creaq\OneDrive\Escritorio\Tarea 2\TAREA-2> git reset b9a5469
Unstaged changes after reset:
M      tarea2/src/main/java/uvg/edu/gt/UI.java
M      tarea2/target/classes/uvg/edu/gt/UI.class
PS C:\Users\creaq\OneDrive\Escritorio\Tarea 2\TAREA-2> git log --oneline
```

Dilary Cruz: Demostración del "git merge"

6. Cambiar a la rama principal

a. `git checkout main`

```
git checkout main
```

b. resultado

```
Switched to branch 'main'
```

7. Actualizar la rama principal

a. `git pull origin main`

```
git pull origin main
```

b. Resultado

```
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 3), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 507 bytes | 507.00 KiB/s, done.
From https://github.com/usuario/repo
* branch          main      -> FETCH_HEAD
  a1b2c3d..d4e5f6g main      -> origin/main
Updating a1b2c3d..d4e5f6g
Fast-forward
 src/main/java/com/example/App.java | 2 +-
 src/main/java/com/example/Util.java | 1 +
 2 files changed, 2 insertions(+), 1 deletion(-)
```

8. Fusionar la rama de características

a. `git merge feature-branch`

```
git merge feature-branch
```

b. Resultado

```
Updating a1b2c3d..d4e5f6g
Fast-forward
 src/main/java/com/example/App.java | 2 +-
 src/main/java/com/example/Util.java | 1 +
 2 files changed, 2 insertions(+), 1 deletion(-)
```

9. Resolver conflictos (en caso que sí hayan)

```
Auto-merging tarea2/src/main/java/uvg/edu/gt/Calc.java
CONFLICT (content): Merge conflict in tarea2/src/main/java/uvg/edu/gt/Calc.java
Automatic merge failed; fix conflicts and then commit the result.
```

10. Agregar archivos resueltos

a. `git add <archivo>`

```
git add tarea2/src/main/java/uvg/edu/gt/Calc.java
```

b. Resultado

```
(no hay salida si el comando se ejecuta correctamente)
```

11. Confirmar la fusión

a. `git commit`

```
git commit
```

b. resultado

```
[main abcdef1] Merge branch 'feature-branch'
```

12. Verificar la fusión

a. git log

```
git log --oneline
```

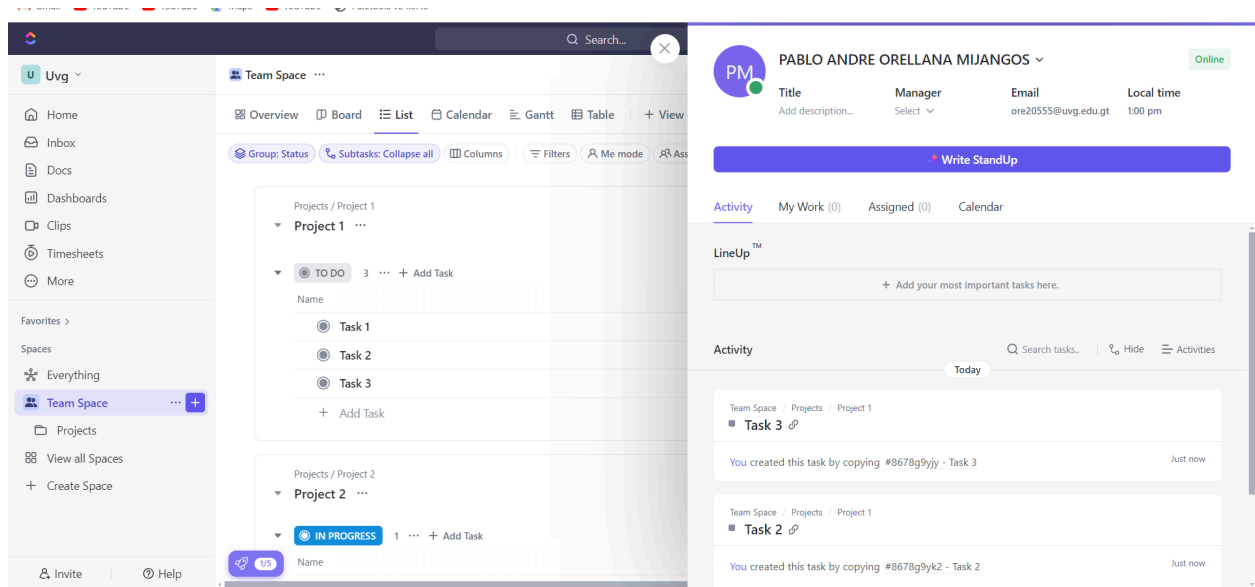
b. resultado

```
abcdef1 (HEAD -> main) Merge branch 'feature-branch'  
d4e5f6g Add new feature to Util.java  
a1b2c3d Update App.java  
9a8b7c6 Initial commit
```


CUENTAS CREADAS

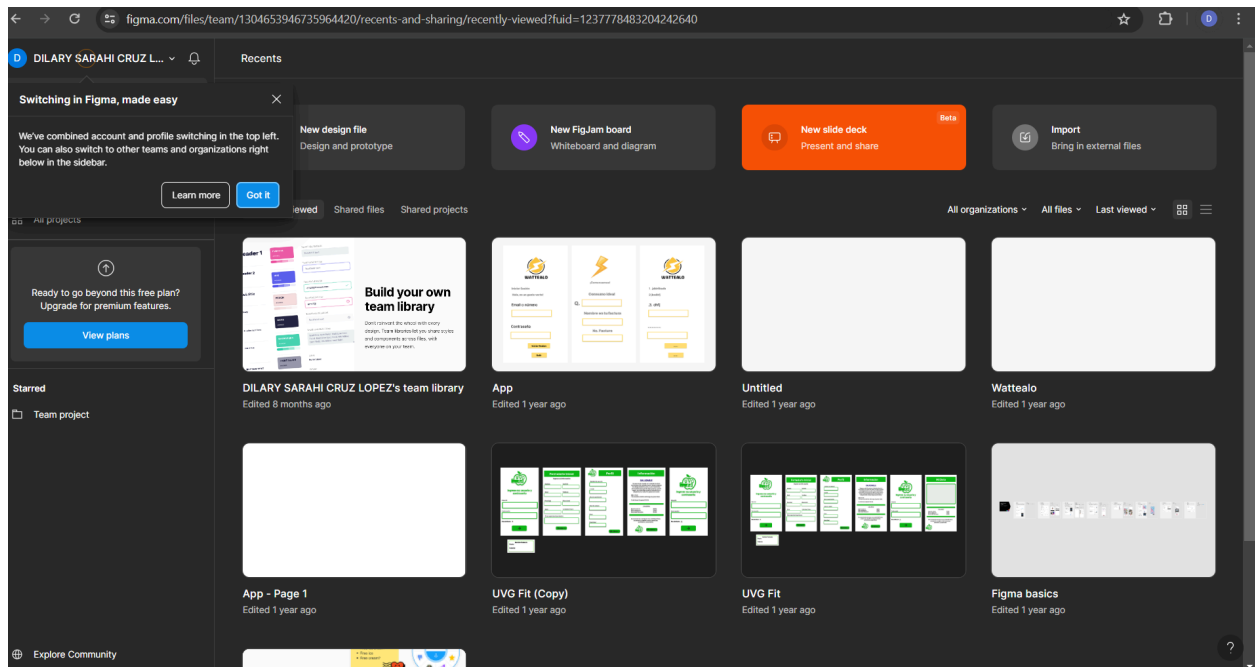
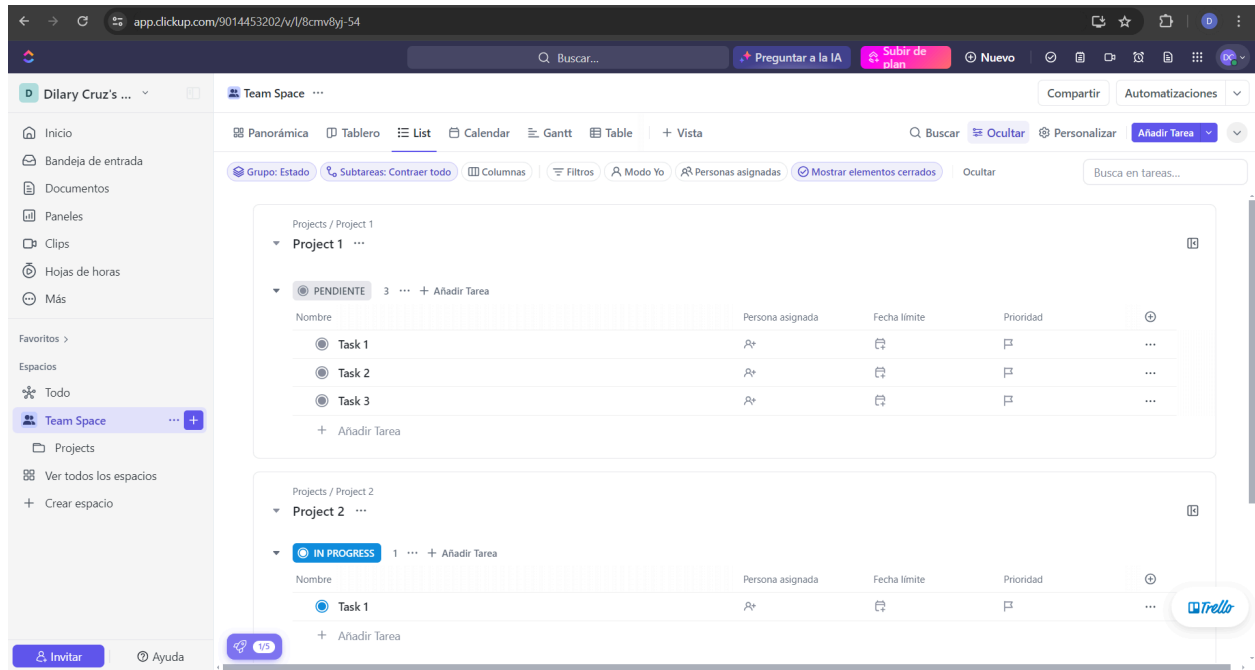
- Tello

Pablo Orellana

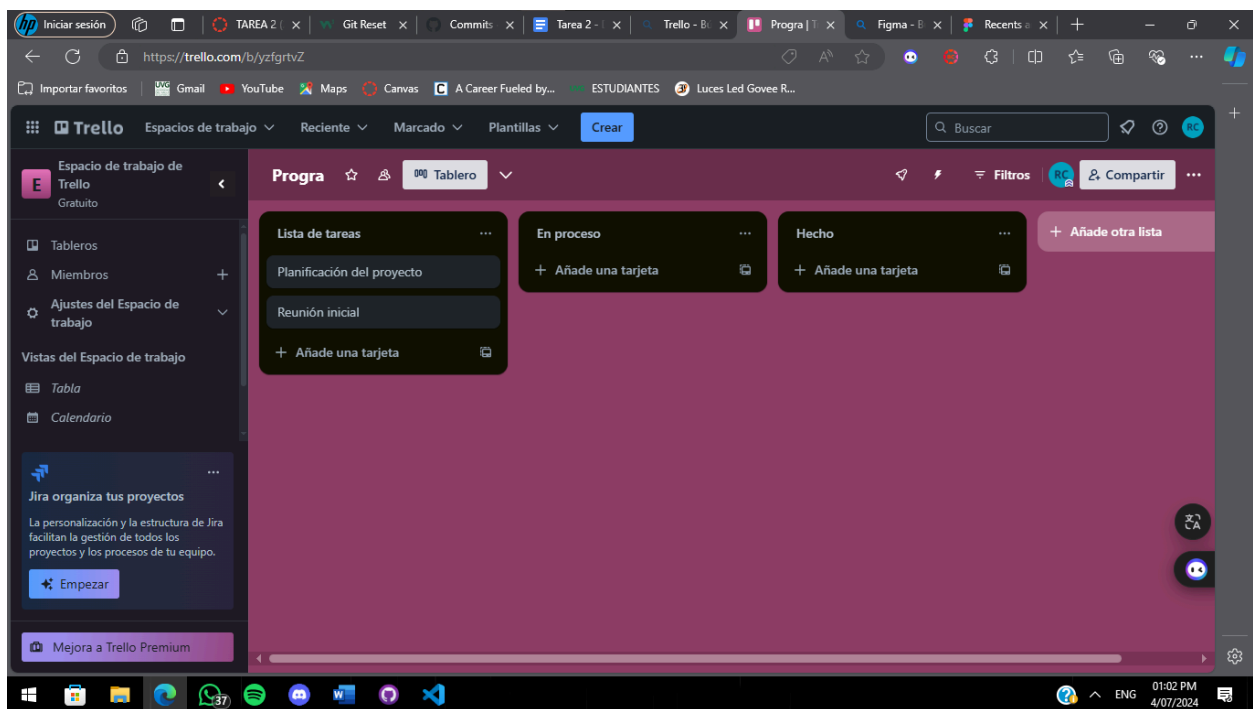


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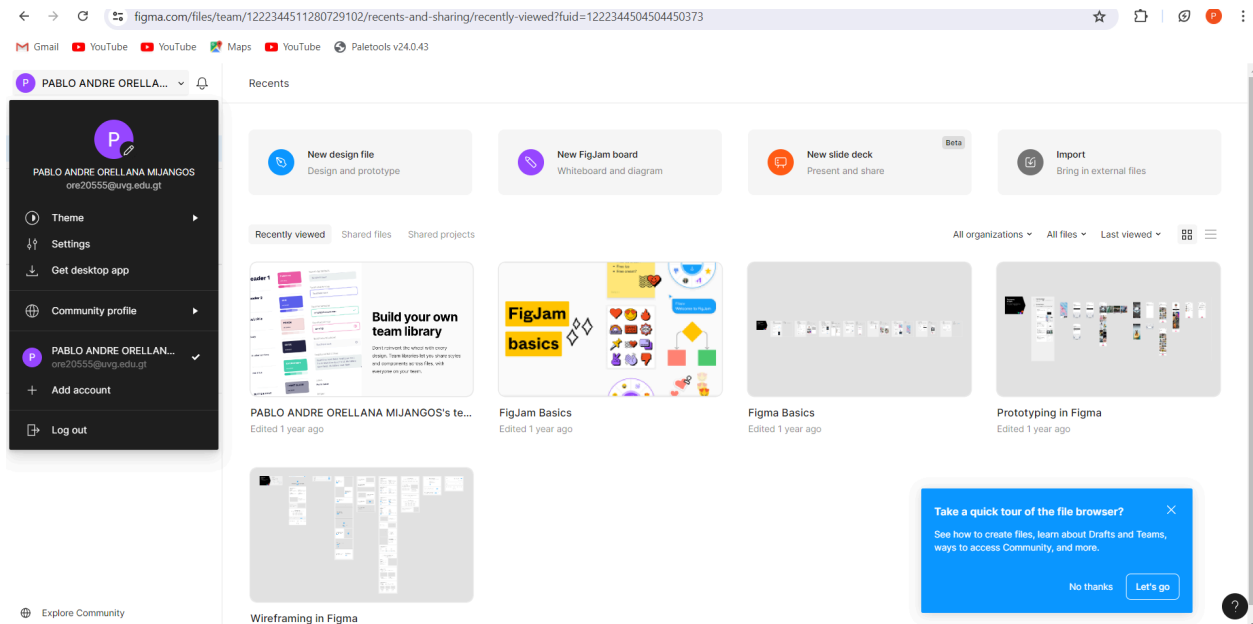
Rodrigo Ramirez



- Figma

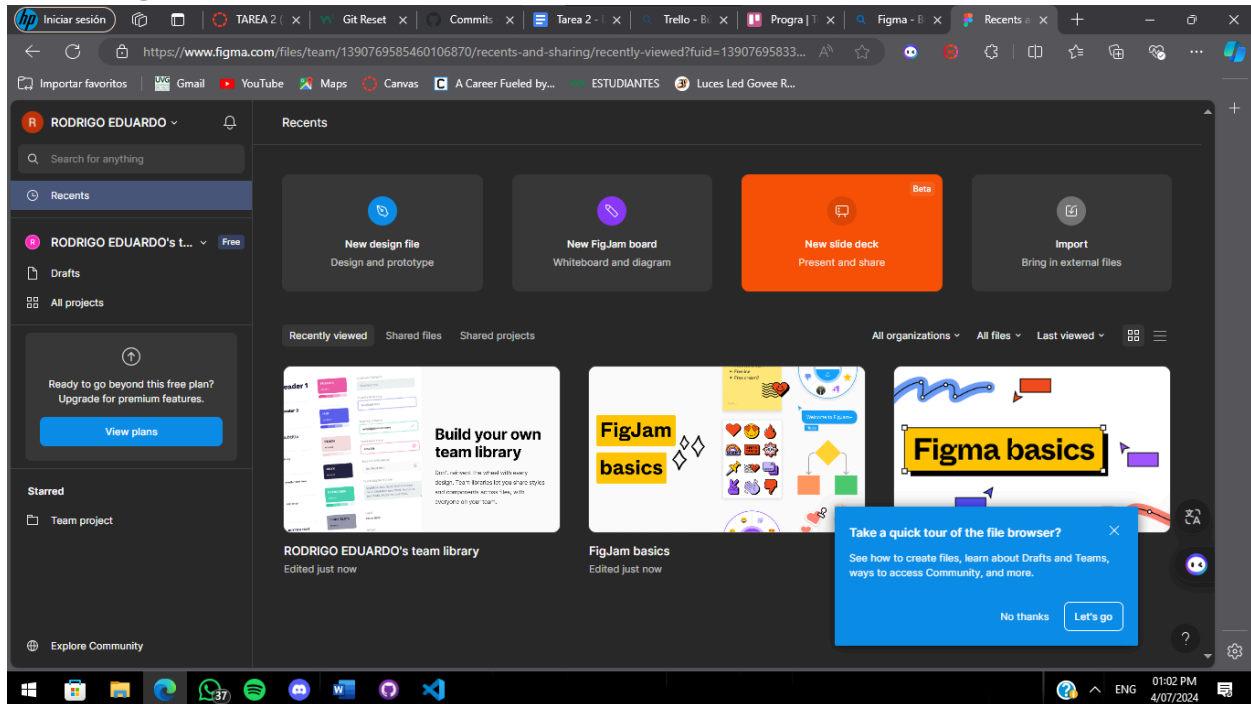
Pablo Orellana

Universidad del Valle de Guatemala
Facultad de Ingeniería
Programación de plataformas móviles



Dilary Cruz

Rodrigo Ramirez



LINK AL REPOSITORIO:

<https://github.com/PablorellanaM/TAREA-2/tree/main/tarea2>