Práctica 02 Comandos Git Flow a nivel local

- Crear una carpeta llamada **gitpracticaflow** e inicializar el repositorio con el comando correspondiente tomando en cuenta qué existen dos ramas: **main y develop**

```
C:\Users\lapto>cd Videos

C:\Users\lapto\Videos>mkdir gitpracticaflow

C:\Users\lapto\Videos>cd gitpracticaflow

C:\Users\lapto\Videos\gitpracticaflow>git flow init
Initialized empty Git repository in C:/Users/lapto/Videos/gitpracticaflow/.git/
No branches exist yet. Base branches must be created now.
Branch name for production releases: [master] main
Branch name for "next release" development: [develop]

How to name your supporting branch prefixes?
Feature branches? [feature/]
Bugfix branches? [bugfix/]
Release branches? [release/]
Hotfix branches? [hotfix/]
Support branches? [support/]
Version tag prefix? [] Version-1
Hooks and filters directory? [C:/Users/lapto/Videos/gitpracticaflow/.git/hooks]

C:\Users\lapto\Videos\gitpracticaflow>
```

- Comprueba el estado del repositorio a través del comando correspondiente.

```
C:\Users\lapto\Videos\gitpracticaflow>git status
On branch develop
nothing to commit, working tree clean

C:\Users\lapto\Videos\gitpracticaflow>
```

- Crear una nueva funcionalidad llamada **fun-login** utilizando el patrón MVC y los comandos correspondientes de **gitflow**

```
C:\Users\lapto\Videos\gitpracticaflow>git flow feature start fun-login
Switched to a new branch 'feature/fun-login'

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

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

     git flow feature finish fun-login


C:\Users\lapto\Videos\gitpracticaflow>gi
```

- Crea tres carpetas llamadas: **model, views y controller**.

```
C:\Users\lapto\Videos\gitpracticaflow>mkdir model view controller

C:\Users\lapto\Videos\gitpracticaflow>dir
 El volumen de la unidad C es Windows-SSD
 El número de serie del volumen es: DA72-9FEC

 Directorio de C:\Users\lapto\Videos\gitpracticaflow

26/05/2023  16:32    <DIR>          .
26/05/2023  16:24    <DIR>          ..
26/05/2023  16:32    <DIR>          controller
26/05/2023  16:32    <DIR>          model
26/05/2023  16:32    <DIR>          view
               0 archivos              0 bytes
               5 dirs  360.084.889.600 bytes libres

C:\Users\lapto\Videos\gitpracticaflow>
```

- Agregar un archivo para cada carpeta
  - Model: **ModelLoginDTO.java**
  - Views: **viewLogin.html**
  - Controller: **ControllerLogin.java**

```
C:\Users\lapto\Videos\gitpracticaflow\model>dir
 El volumen de la unidad C es Windows-SSD
 El número de serie del volumen es: DA72-9FEC

 Directorio de C:\Users\lapto\Videos\gitpracticaflow\model

26/05/2023  16:33    <DIR>          .
26/05/2023  16:32    <DIR>          ..
26/05/2023  16:33                 0 ModelLoginDTO.java
               1 archivos              0 bytes
               2 dirs  360.084.365.312 bytes libres

C:\Users\lapto\Videos\gitpracticaflow\model>cd ..

C:\Users\lapto\Videos\gitpracticaflow>cd controller

C:\Users\lapto\Videos\gitpracticaflow\controller>copy con ControllerLogin.java
^Z
        1 archivo(s) copiado(s).

C:\Users\lapto\Videos\gitpracticaflow\controller>cd ..

C:\Users\lapto\Videos\gitpracticaflow>cd view

C:\Users\lapto\Videos\gitpracticaflow\view>copy con viewLogin.html
^Z
        1 archivo(s) copiado(s).

C:\Users\lapto\Videos\gitpracticaflow\view>
```

- Finaliza la funcionalidad

```
C:\Users\lapto\Videos\gitpracticaflow>git flow feature finish fun-login
Switched to branch 'develop'
Updating a2d7ef9..86c1c0f
Fast-forward
 controller/ControllerLogin.java | 0
 model/ModelLoginDTO.java         | 0
 view/viewLogin.html             | 1 +
 3 files changed, 1 insertion(+)
 create mode 100644 controller/ControllerLogin.java
 create mode 100644 model/ModelLoginDTO.java
 create mode 100644 view/viewLogin.html
Deleted branch feature/fun-login (was 86c1c0f).

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


C:\Users\lapto\Videos\gitpracticaflow>
```
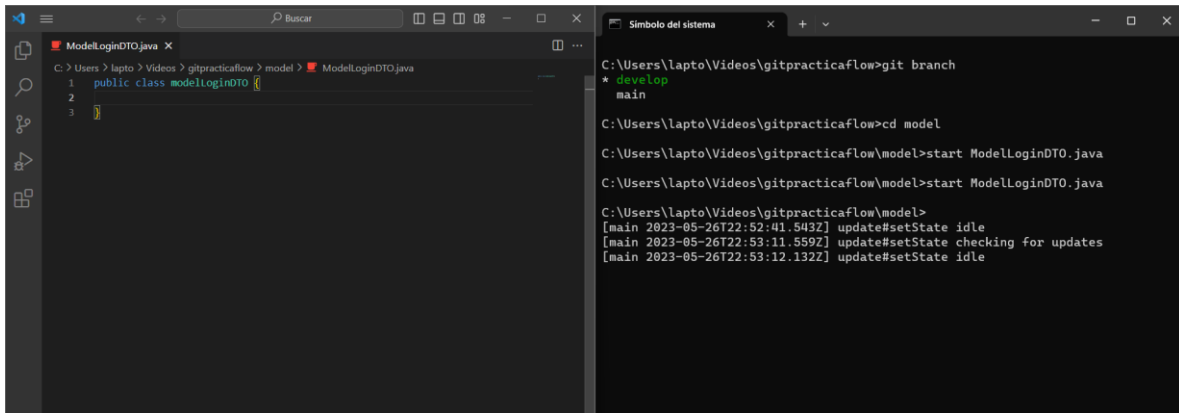
- Verificar las diferencias entre las ramas **main** y **develop**

```
C:\Users\lapto\Videos\gitpracticaflow>git diff main..develop
diff --git a/controller/ControllerLogin.java b/controller/ControllerLogin.ja
va
new file mode 100644
index 0000000..e69de29
diff --git a/model/ModelLoginDTO.java b/model/ModelLoginDTO.java
new file mode 100644
index 0000000..e69de29
diff --git a/view/viewLogin.html b/view/viewLogin.html
new file mode 100644
index 0000000..52e60b4
--- /dev/null
+++ b/view/viewLogin.html
@@ -0,0 +1 @@
+^X
\ No newline at end of file

C:\Users\lapto\Videos\gitpracticaflow>
```

- Crear una modificación a la funcionalidad fun-login
  - **ModelLoginDTO.java** agregar la instrucción public class modelLoginDTO {}

- agregar la instrucción `<h1> Estoy entre ramas </h1>`

```
C:\Users\lapto\Videos\gitpracticaflow\view>start viewLogin.html code.

C:\Users\lapto\Videos\gitpracticaflow\view>copy con viewLogin.html
<h1> Estoy entre ramas </h1>^Z
¿Sobrescribir viewLogin.html? (Sí/No/Todo): Si
        1 archivo(s) copiado(s).

C:\Users\lapto\Videos\gitpracticaflow\view>
```

- **ControlleLogin.java** agregar la instrucción public class controlleLogin.java{}

```
C:\Users\lapto\Videos\gitpracticaflow>cd controller

C:\Users\lapto\Videos\gitpracticaflow\controller>copy con ControllerLogin.ja
va
public class controlleLogin.java{}^Z
¿Sobrescribir ControllerLogin.java? (Sí/No/Todo): Si
        1 archivo(s) copiado(s).

C:\Users\lapto\Videos\gitpracticaflow\controller>
```

- Guardar los cambios al Stanging Area

```
C:\Users\lapto\Videos\gitpracticaflow>git add .

C:\Users\lapto\Videos\gitpracticaflow>git commit -m "Update-1"
[develop a399e1b] Update-1
 3 files changed, 5 insertions(+), 1 deletion(-)

C:\Users\lapto\Videos\gitpracticaflow>
```

- Verificar la historia de los commits

```
C:\Users\lapto\Videos\gitpracticaflow>git reflog
a399e1b (HEAD -> develop) HEAD@{0}: commit: Update-1
86c1c0f HEAD@{1}: merge feature/fun-login: Fast-forward
a2d7ef9 (main) HEAD@{2}: checkout: moving from feature/fun-login to develop
86c1c0f HEAD@{3}: commit: Creacion MCV
a2d7ef9 (main) HEAD@{4}: checkout: moving from develop to feature/fun-login
a2d7ef9 (main) HEAD@{5}: checkout: moving from main to develop
a2d7ef9 (main) HEAD@{6}: commit (initial): Initial commit

C:\Users\lapto\Videos\gitpracticaflow>
```

- Verificar las diferencias entre las ramas main y develop a través del comando

```
C:\Users\lapto\Videos\gitpracticaflow>git diff main..develop
diff --git a/controller/ControllerLogin.java b/controller/ControllerLogin.ja
va
new file mode 100644
index 0000000..c3eab7a
--- /dev/null
+++ b/controller/ControllerLogin.java
@@ -0,0 +1 @@
+public class controlleLogin.java{}
\ No newline at end of file
diff --git a/model/ModelLoginDTO.java b/model/ModelLoginDTO.java
new file mode 100644
index 0000000..97690be
--- /dev/null
+++ b/model/ModelLoginDTO.java
@@ -0,0 +1,3 @@
+public class modelLoginDTO {
+
+}
\ No newline at end of file
diff --git a/view/viewLogin.html b/view/viewLogin.html
new file mode 100644
index 0000000..feb9562
--- /dev/null
+++ b/view/viewLogin.html
@@ -0,0 +1 @@
+<h1> Estoy entre ramas </h1>
\ No newline at end of file

C:\Users\lapto\Videos\gitpracticaflow>
```

- Iniciar una liberación con la versión 1.0 como prefijo

```
C:\Users\lapto\Videos\gitpracticaflow>git flow release start '1.0'
Switched to a new branch 'release/1.0'

Summary of actions:
- A new branch 'release/1.0' was created, based on 'develop'
- You are now on branch 'release/1.0'

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

    git flow release finish '1.0'


C:\Users\lapto\Videos\gitpracticaflow>
```

- Iniciar la liberación con el sufijo ".1".

```
C:\Users\lapto\Videos\gitpracticaflow>git flow release start 1.0.1
Switched to a new branch 'release/1.0.1'

Summary of actions:
- A new branch 'release/1.0.1' was created, based on 'develop'
- You are now on branch 'release/1.0.1'

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

    git flow release finish '1.0.1'


C:\Users\lapto\Videos\gitpracticaflow>git add .

C:\Users\lapto\Videos\gitpracticaflow>git status
On branch release/1.0.1
nothing to commit, working tree clean

C:\Users\lapto\Videos\gitpracticaflow>git commit -m "Liberaion 1.0.1"
On branch release/1.0.1
nothing to commit, working tree clean

C:\Users\lapto\Videos\gitpracticaflow>git flow release finish 1.0.1
Switched to branch 'main'
Merge made by the 'ort' strategy.
Already on 'main'
Switched to branch 'develop'
Merge made by the 'ort' strategy.
Deleted branch release/1.0.1 (was e919eef).

Summary of actions:
- Release branch 'release/1.0.1' has been merged into 'main'
- The release was tagged 'Version-11.0.1'
- Release tag 'Version-11.0.1' has been back-merged into 'develop'
- Release branch 'release/1.0.1' has been locally deleted
- You are now on branch 'develop'
```

- Finalizar la liberación

```
C:\Users\lapto\Videos\gitpracticaflow>git branch
  develop
  main
* release/1.0

C:\Users\lapto\Videos\gitpracticaflow>git flow release finish '1.0'
Switched to branch 'main'
Merge made by the 'ort' strategy.
 controller/ControllerLogin.java | 1 +
 model/ModelLoginDTO.java        | 3 +++
 view/viewLogin.html             | 1 +
 3 files changed, 5 insertions(+)
 create mode 100644 controller/ControllerLogin.java
 create mode 100644 model/ModelLoginDTO.java
 create mode 100644 view/viewLogin.html
Already on 'main'
Switched to branch 'develop'
Merge made by the 'ort' strategy.
Deleted branch release/1.0 (was a399e1b).

Summary of actions:
- Release branch 'release/1.0' has been merged into 'main'
- The release was tagged 'Version-11.0'
- Release tag 'Version-11.0' has been back-merged into 'develop'
- Release branch 'release/1.0' has been locally deleted
- You are now on branch 'develop'


C:\Users\lapto\Videos\gitpracticaflow>
```

- Verificar las diferencias entre las ramas main y develop a través del comando

```
C:\Users\lapto\Videos\gitpracticaflow>git diff main..develop

C:\Users\lapto\Videos\gitpracticaflow>
```