Intensificación Técnico Organizativa

Nombre: Rafael

Apellidos: Pulido Cifuentes

UVUS: rafpulcif

Enlace al repositorio de GitHub:https://github.com/rafpulcif/EGC-2425-rafpulcif

Ejercicio Git

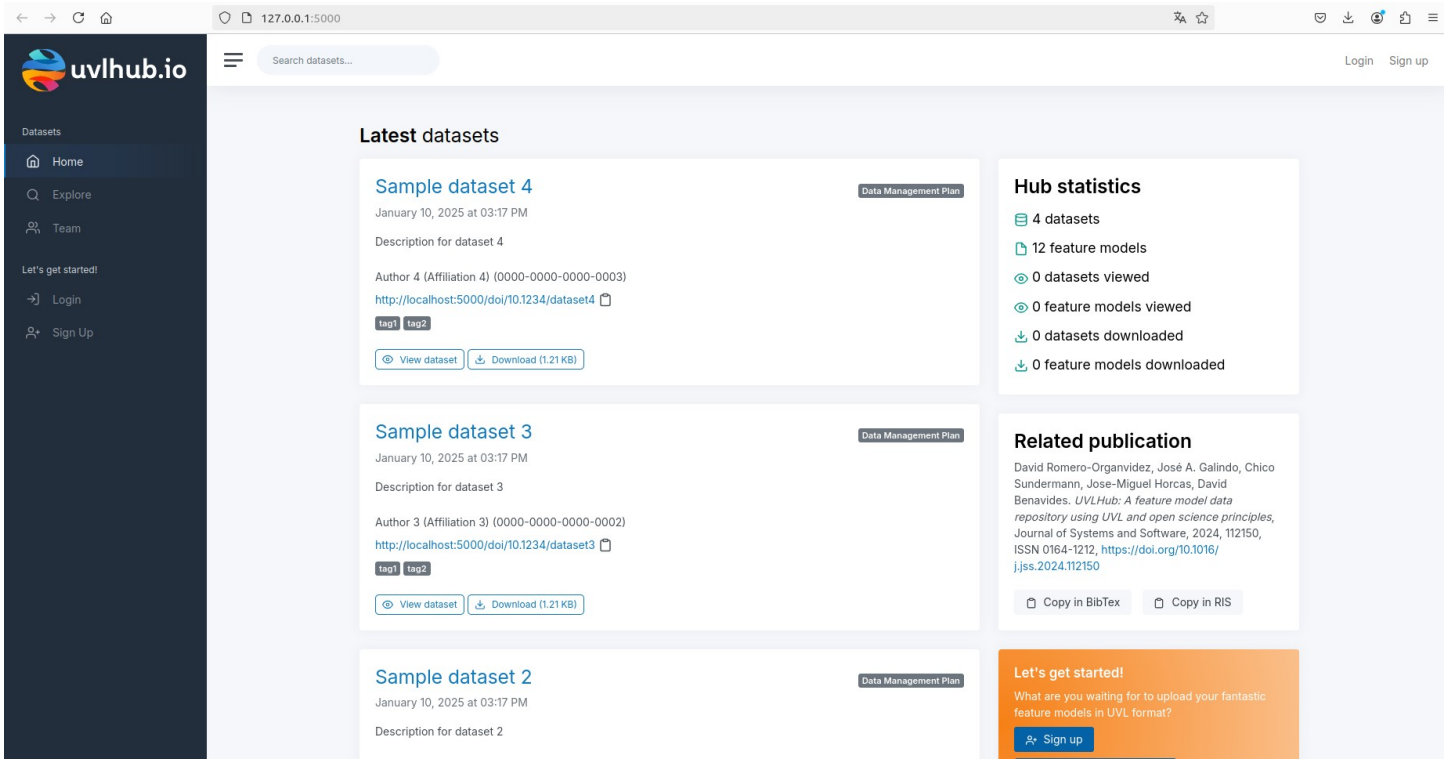
Apartado 1

```
practica@pc-14-74:~/examen$ git clone git@github.com:rafpulcif/EGC-2425-rafpulcif.git
```

```
practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ ls
app    docker      README.md         rosemary  setup.py
core   migrations  requirements.txt  scripts   vagrant
```

Ejercicio Git

Apartado 2

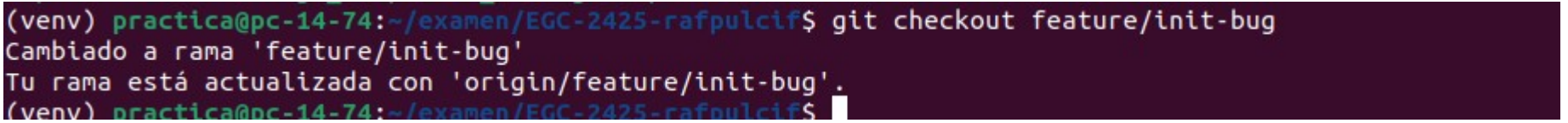


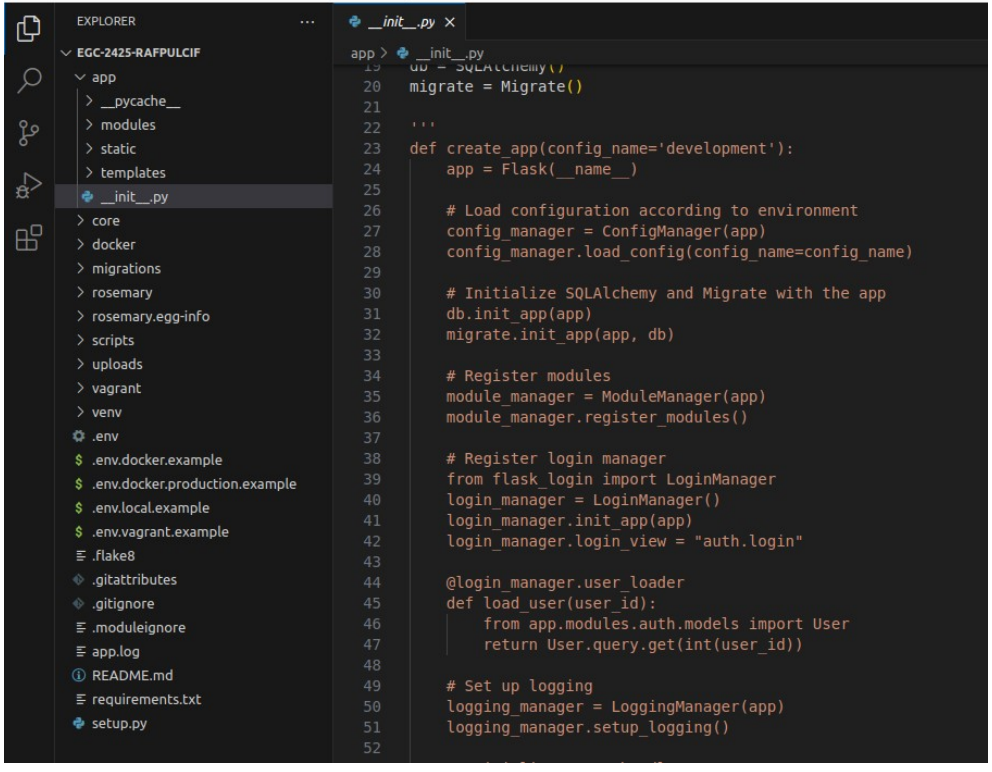
```
practica@pc-14-74:~$ cd examen/EGC-2425-rafpulcif/
practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ python3.12 -m venv venv
practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ source venv/bin/activate
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ cp .env.local.example .env
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ ls
app   docker      README.md         rosemary  setup.py  venv
core  migrations  requirements.txt  scripts   vagrant
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ pip install -r requirements.txt
Collecting afmparser==1.0.3 (from -r requirements.txt (line 1))
  Downloading afmparser-1.0.3-py3-none-any.whl.metadata (3.1 kB)
Collecting alembic==1.13.2 (from -r requirements.txt (line 2))
  Downloading alembic-1.13.2-py3-none-any.whl.metadata (7.4 kB)
Collecting aniso8601==9.0.1 (from -r requirements.txt (line 3))
  Downloading aniso8601-9.0.1-py2.py3-none-any.whl.metadata (23 kB)
Collecting antlr4-python3-runtime==4.13.1 (from -r requirements.txt (line 4))
  Downloading antlr4_python3_runtime-4.13.1-py3-none-any.whl.metadata (304 bytes)
Collecting astutils==0.0.6 (from -r requirements.txt (line 5))
  Downloading astutils-0.0.6.tar.gz (9.3 kB)
  Installing build dependencies ... done
  Getting requirements to build wheel ... done
  Preparing metadata (pyproject.toml) ... done
Collecting attrs==23.2.0 (from -r requirements.txt (line 6))
  Downloading attrs-23.2.0-py3-none-any.whl.metadata (9.5 kB)
Collecting beautifulsoup4==4.12.3 (from -r requirements.txt (line 7))
  Downloading beautifulsoup4-4.12.3-py3-none-any.whl.metadata (3.8 kB)
Collecting blinker==1.8.2 (from -r requirements.txt (line 8))
  Downloading blinker-1.8.2-py3-none-any.whl.metadata (1.6 kB)
```

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ flask run --host=0.0.0.0 --reload --debug
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI
 server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://10.1.14.74:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 747-141-492
[2025-01-10 16:19:27,000] INFO in routes: Access index
2025-01-10 16:19:27,000 - app.modules.public.routes - INFO - Access index
127.0.0.1 - - [10/Jan/2025 16:19:27] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [10/Jan/2025 16:19:27] "GET /static/css/app.css HTTP/1.1" 200 -
127.0.0.1 - - [10/Jan/2025 16:19:27] "GET /static/css/dropzone.css HTTP/1.1" 200 -
```

Ejercicio Git

Apartado 3




EXPLORER
EGC-2425-RAFPULCIF
app
__pycache__
modules
static
templates
__init__.py
core
docker
migrations
rosemary
rosemary.egg-info
scripts
uploads
vagrant
venv
.env
.env.docker.example
.env.docker.production.example
.env.local.example
.env.vagrant.example
.flake8
.gitattributes
.gitignore
.moduleignore
app.log
README.md
requirements.txt
setup.py
__init__.py
app > __init__.py
migrate = Migrate()
'''
def create_app(config_name='development'):
app = Flask(__name__)
# Load configuration according to environment
config_manager = ConfigManager(app)
config_manager.load_config(config_name=config_name)
# Initialize SQLAlchemy and Migrate with the app
db.init_app(app)
migrate.init_app(app, db)
# Register modules
module_manager = ModuleManager(app)
module_manager.register_modules()
# Register login manager
from flask_login import LoginManager
login_manager = LoginManager()
login_manager.init_app(app)
login_manager.login_view = "auth.login"
@login_manager.user_loader
def load_user(user_id):
from app.modules.auth.models import User
return User.query.get(int(user_id))
# Set up logging
logging_manager = LoggingManager(app)
logging_manager.setup_logging()

Ejercicio Git

Apartado 4

Ejercicio Git

Apartado 5

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git checkout -b fix/app-init
```

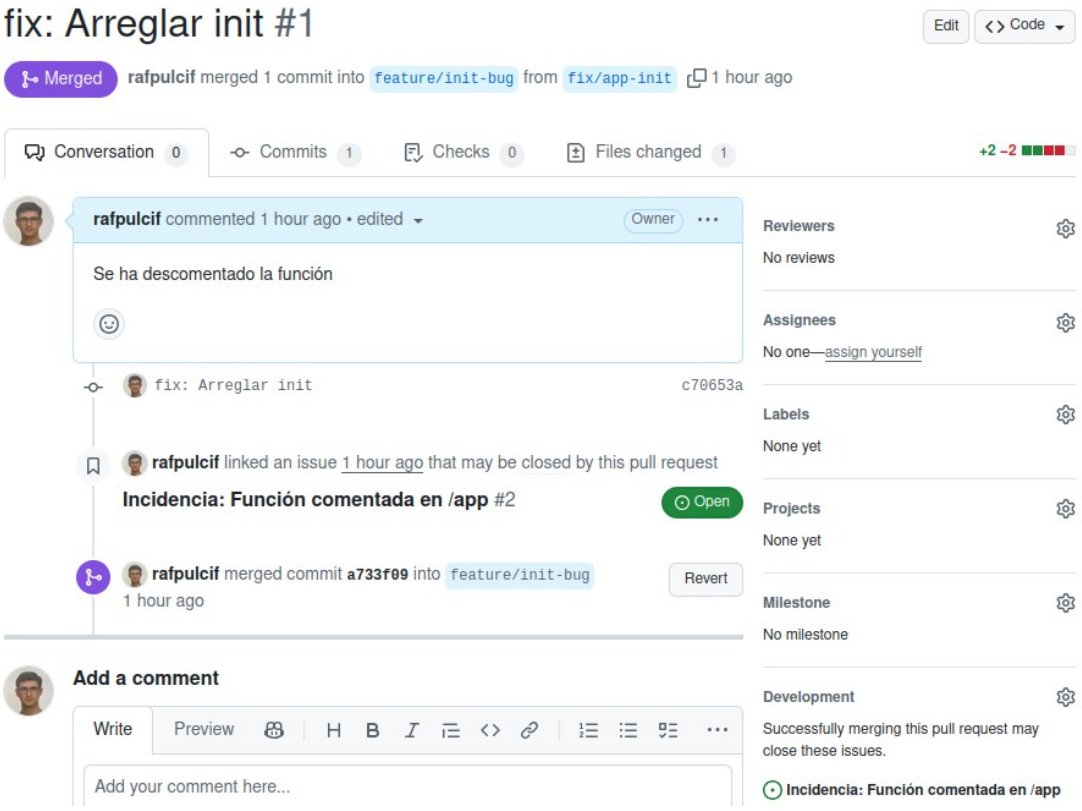
```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git add .
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git commit -m "fix: Arreglar init"
[fix/app-init c70653a] fix: Arreglar init
 1 file changed, 2 insertions(+), 2 deletions(-)
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git push --set-upstream origin fix/app-init
Enumerando objetos: 7, listo.
Contando objetos: 100% (7/7), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (3/3), listo.
Escribiendo objetos: 100% (4/4), 476 bytes | 476.00 KiB/s, listo.
Total 4 (delta 2), reused 2 (delta 1), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'fix/app-init' on GitHub by visiting:
remote:      https://github.com/rafpulcif/EGC-2425-rafpulcif/pull/new/fix/app-init
remote:
To github.com:rafpulcif/EGC-2425-rafpulcif.git
 * [new branch]      fix/app-init -> fix/app-init
rama 'fix/app-init' configurada para rastrear 'origin/fix/app-init'.
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```


No elimine la rama, la necesitará a continuación

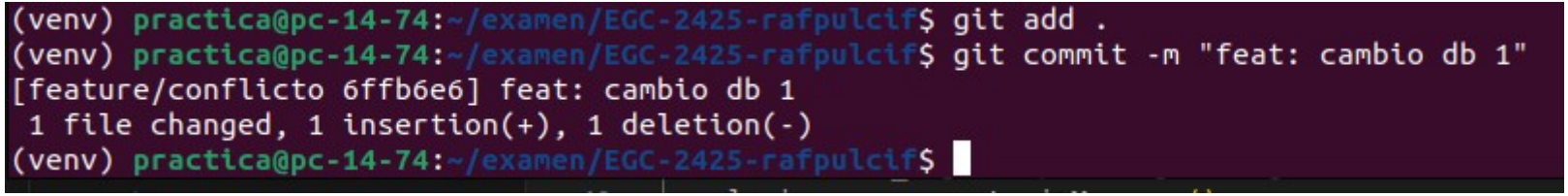
Ejercicio Git

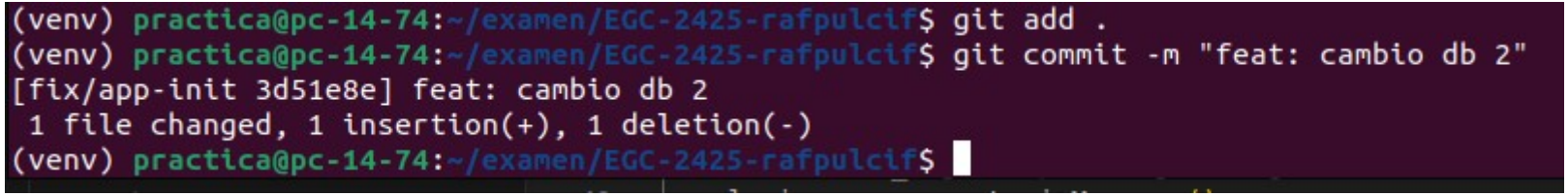
Apartado 6

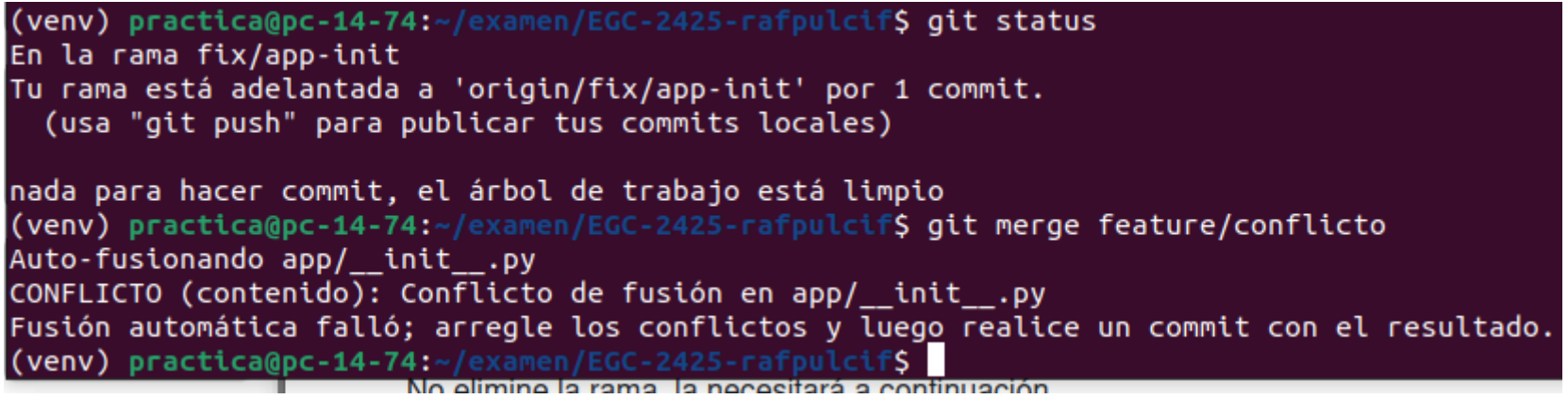


Ejercicio Git

Apartado 7


(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git add .
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git commit -m "feat: cambio db 1"
[feature/conflicto 6ffb6e6] feat: cambio db 1
1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$


(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git add .
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git commit -m "feat: cambio db 2"
[fix/app-init 3d51e8e] feat: cambio db 2
1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$

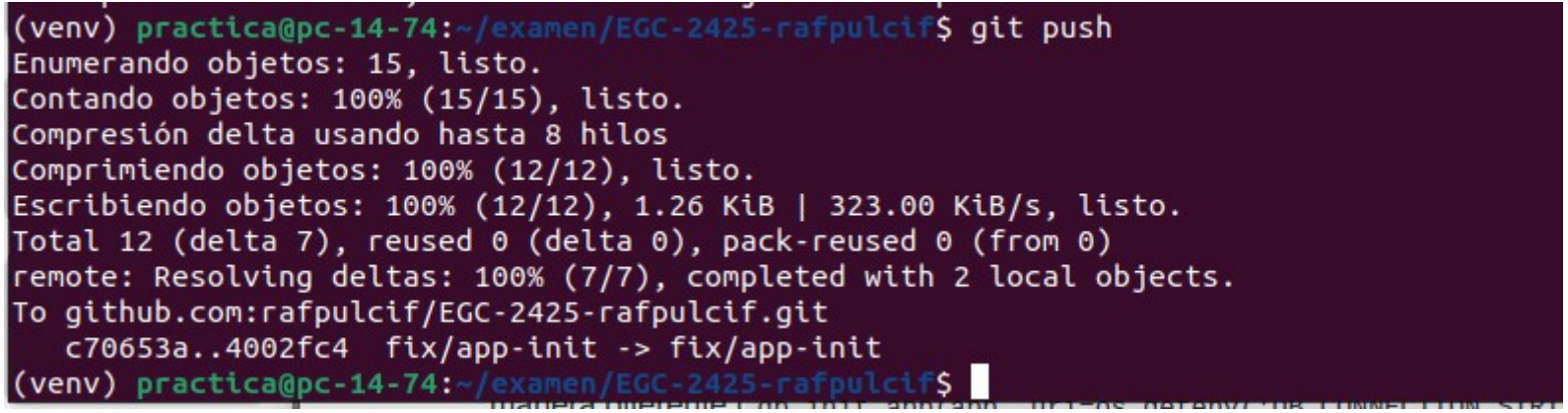

(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git status
En la rama fix/app-init
Tu rama está adelantada a 'origin/fix/app-init' por 1 commit.
(usa "git push" para publicar tus commits locales)
nada para hacer commit, el árbol de trabajo está limpio
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git merge feature/conflicto
Auto-fusionando app/__init__.py
CONFLICTO (contenido): Conflicto de fusión en app/__init__.py
Fusión automática falló; arregle los conflictos y luego realice un commit con el resultado.
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$

```
    # Initialize SQLAlchemy and Migrate with the app
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
<<<<<<< HEAD (Current Change)
    db.init_app(app, uri=os.getenv('DATABASE_URI'))
=======
    db.init_app(app, uri=os.getenv('DB_CONNECTION_STRING'))
>>>>>>> feature/conflicto (Incoming Change)
    migrate.init_app(app, db)

    # Register modules
```

```
    # Initialize SQLAlchemy and Migrate with the app
    db.init_app(app, uri=os.getenv('DATABASE_URI'))
    db.init_app(app, uri=os.getenv('DB_CONNECTION_STRING'))
    migrate.init_app(app, db)
```

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git commit -m "merge de cambios"
[fix/app-init 4002fc4] merge de cambios
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git merge feature/conflicto
Ya está actualizado.
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```


(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git push
Enumerando objetos: 15, listo.
Contando objetos: 100% (15/15), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (12/12), listo.
Escribiendo objetos: 100% (12/12), 1.26 KiB | 323.00 KiB/s, listo.
Total 12 (delta 7), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (7/7), completed with 2 local objects.
To github.com:rafpulcif/EGC-2425-rafpulcif.git
c70653a..4002fc4 fix/app-init -> fix/app-init
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$

Ejercicio Git

Apartado 8

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git checkout hotfix/bug-critical
rama 'hotfix/bug-critical' configurada para rastrear 'origin/hotfix/bug-critical'.
Cambiado a nueva rama 'hotfix/bug-critical'
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git diff
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git log --graph --oneline
* 678e7dc (HEAD -> hotfix/bug-critical, origin/hotfix/bug-critical) Fix the bug in the view_dataset ca
rd by uncommenting the card section, restoring the dataset view functionality
* 7260a34 Introduce a bug in the view_dataset card for the exam by commenting out the card section to
simulate an error
* 546eea4 Initialise base project
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ Es el ID 678e7dc
```

Ejercicio Git

Apartado 9

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git cherry-pick 678e7dc
[main c6e92d2] Fix the bug in the view_dataset card by uncommenting the card section, restoring the da
taset view functionality
 Author: Belen Ramos <brgutierrez@us.es>
 Date: Wed Jan 8 09:29:03 2025 +0100
 2 files changed, 3 insertions(+), 2 deletions(-)
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git push
Enumerando objetos: 17, listo.
Contando objetos: 100% (17/17), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (6/6), listo.
Escribiendo objetos: 100% (9/9), 737 bytes | 368.00 KiB/s, listo.
Total 9 (delta 6), reused 3 (delta 1), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (6/6), completed with 6 local objects.
To github.com:rafpulcif/EGC-2425-rafpulcif.git
   679b3fe..c6e92d2  main -> main
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

Ejercicio GitHub Actions

Apartado 1

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git checkout config/ci
rama 'config/ci' configurada para rastrear 'origin/config/ci'.
Cambiado a nueva rama 'config/ci'
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

```yaml
- uses: actions/setup-python@v5
  with:
    python-version: '3.11'
```

Ejercicio GitHub Actions

Apartado 2

Ejercicio GitHub Actions

Apartado 3

Ejercicio GitHub Actions

Apartado 4

```yaml
strategy:
  matrix:
    image: [mysql:5.7, mysql:8.0]

services:
  mysql:
    image: ${{ matrix.image }}
```

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git add .
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git commit -m "feat: cambios en workflow"
[config/ci bbdf299] feat: cambios en workflow
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

Ejercicio GitHub Actions

Apartado 5

Ejercicio Docker

Apartado 1

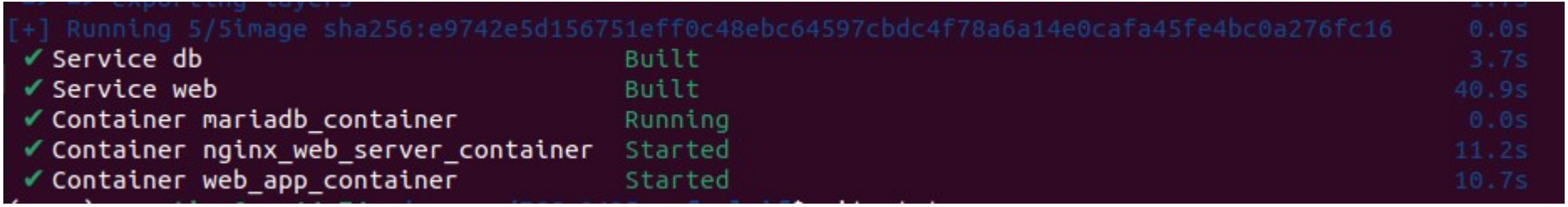
```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git checkout chore/docker
rama 'chore/docker' configurada para rastrear 'origin/chore/docker'.
Cambiado a nueva rama 'chore/docker'
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ rm -r .env
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ cp .env.docker.example .env
```

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ docker compose -f docker/docker-compose.dev.yml
up -d
[+] Running 3/3
 ✔ Container mariadb_container           Started                                          0.3s
 ✔ Container web_app_container           Started                                          0.2s
 ✔ Container nginx_web_server_container  Started                                          0.2s
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

Ejercicio Docker

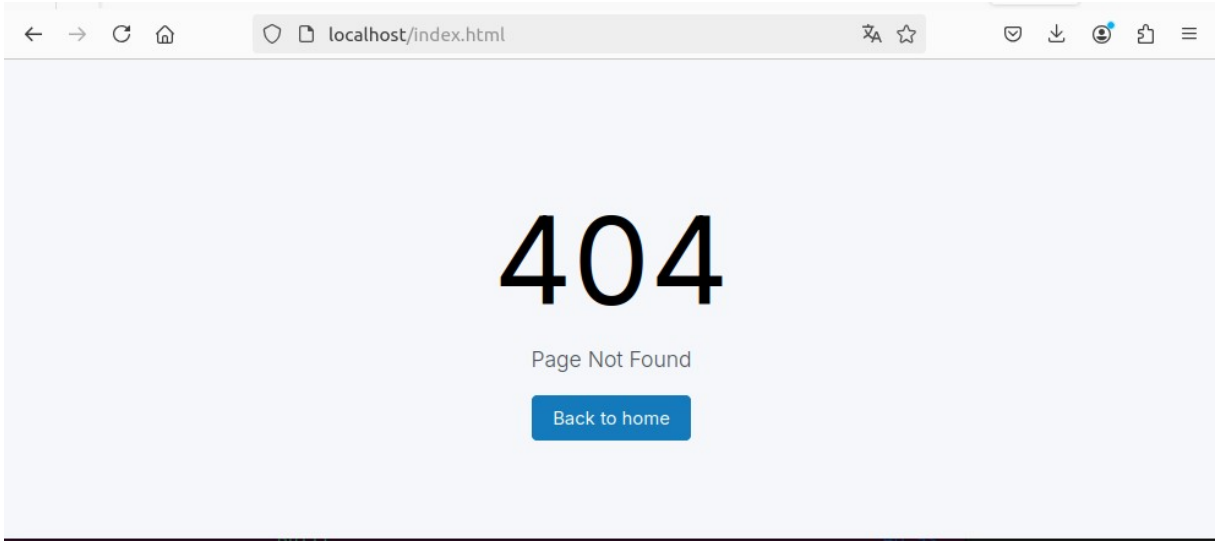
Apartado 2

```
# Start the Flask application with specified host and port, enabling reload and debug mode
exec flask run --host=0.0.0.0 --port=5000 --reload
```



Ejercicio Docker

Apartado 3




```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git add .
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git commit -m "quitar modo debug"
[chore/docker 5d468d6] quitar modo debug
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git push
Enumerando objetos: 9, listo.
Contando objetos: 100% (9/9), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (5/5), listo.
Escribiendo objetos: 100% (5/5), 426 bytes | 426.00 KiB/s, listo.
Total 5 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To github.com:rafpulcif/EGC-2425-rafpulcif.git
   d46ce49..5d468d6  chore/docker -> chore/docker
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

Ejercicio Vagrant

Apartado 1

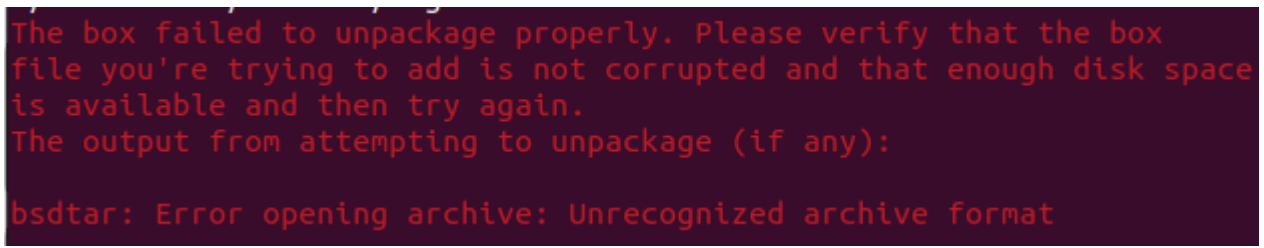
```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ git checkout chore/vagrant
rama 'chore/vagrant' configurada para rastrear 'origin/chore/vagrant'.
Cambiado a nueva rama 'chore/vagrant'
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$
```

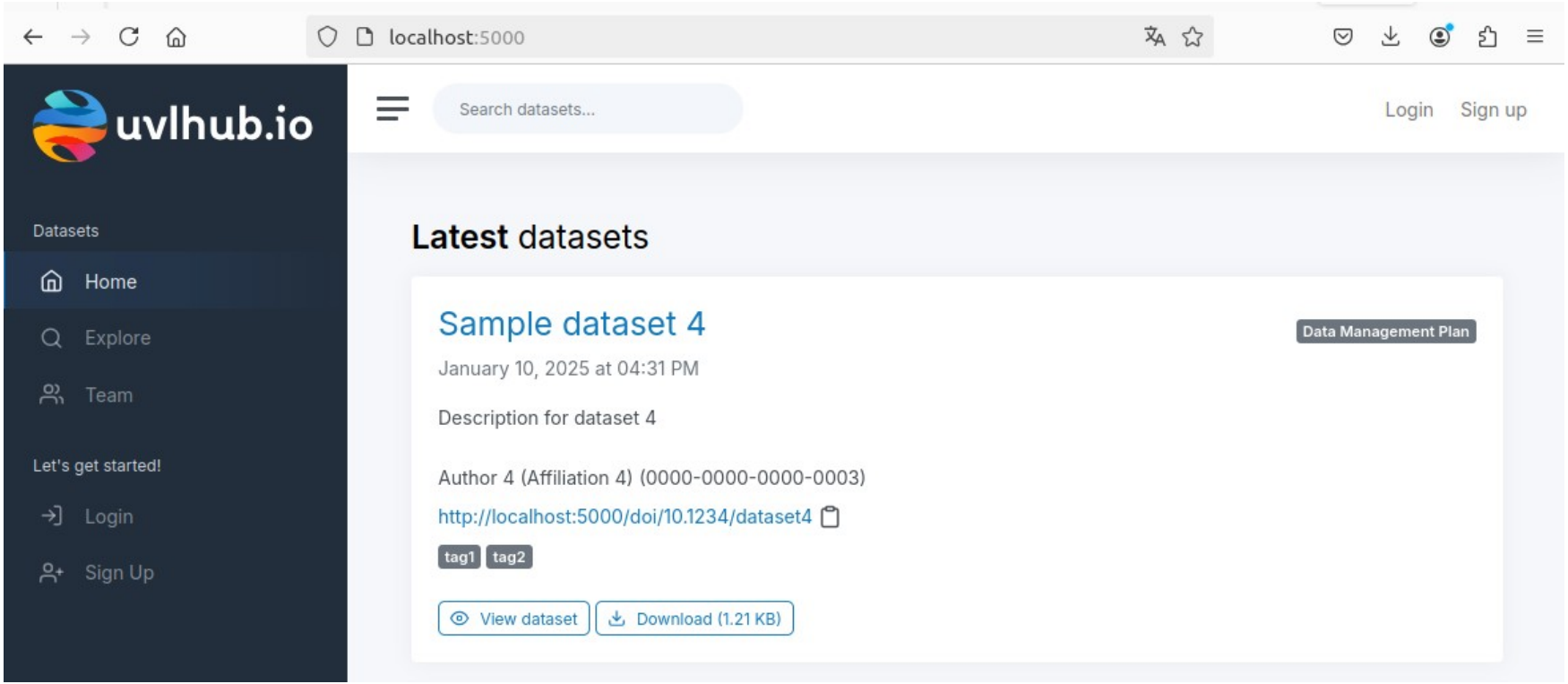
```
# Provider configuration
config.vm.provider "virtualbox" do |vb|
  vb.memory = "4096"
  vb.cpus = 6
end
```

Ejercicio Vagrant

Apartado 2

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ rm -r uploads
rm -r rosemary.egg-info
rm app.log*
rm: ¿borrar el fichero regular 'rosemary.egg-info/PKG-INFO'  protegido contra escritura? (s/n) s
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ rm -r .env
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ cp .env.vagrant.example .env
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif$ cd vagrant
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif/vagrant$ vagrant up
Loading .env file from: /home/practica/examen/EGC-2425-rafpulcif/.env
FLASK_APP_NAME: "UVLHUB.IO(dev)"
FLASK_ENV: development
DOMAIN: localhost:5000
MARIADB_HOSTNAME: localhost
MARIADB_PORT: 3306
MARIADB_DATABASE: uvlhubdb
MARIADB_TEST_DATABASE: uvlhubdb_test
MARIADB_USER: uvlhubdb_user
MARIADB_PASSWORD: uvlhubdb_password
MARIADB_ROOT_PASSWORD: uvlhubdb_root_password
WORKING_DIR: /vagrant/
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Box 'ubuntu/jammy64' could not be found. Attempting to find and install...
    default: Box Provider: virtualbox
    default: Box Version: >= 0
==> default: Loading metadata for box 'ubuntu/jammy64'
```


The box failed to unpackage properly. Please verify that the box
file you're trying to add is not corrupted and that enough disk space
is available and then try again.
The output from attempting to unpackage (if any):
bsdtar: Error opening archive: Unrecognized archive format


localhost:5000
uvlhub.io
Search datasets...
Login
Sign up
Datasets
Home
Explore
Team
Let's get started!
Login
Sign Up
Latest datasets
Sample dataset 4
Data Management Plan
January 10, 2025 at 04:31 PM
Description for dataset 4
Author 4 (Affiliation 4) (0000-0000-0000-0003)
http://localhost:5000/doi/10.1234/dataset4
tag1
tag2
View dataset
Download (1.21 KB)

```
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif/vagrant$ git add .
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif/vagrant$ git commit -m "feat: cambio propiedades
vagrant"
[chore/vagrant b582882] feat: cambio propiedades vagrant
 1 file changed, 2 insertions(+), 2 deletions(-)
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif/vagrant$ git push
Enumerando objetos: 7, listo.
Contando objetos: 100% (7/7), listo.
Compresión delta usando hasta 8 hilos
Comprimiendo objetos: 100% (4/4), listo.
Escribiendo objetos: 100% (4/4), 394 bytes | 394.00 KiB/s, listo.
Total 4 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To github.com:rafpulcif/EGC-2425-rafpulcif.git
   d46ce49..b582882  chore/vagrant -> chore/vagrant
(venv) practica@pc-14-74:~/examen/EGC-2425-rafpulcif/vagrant$
```