# Intensificación Técnico Organizativa

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

```
practica@pc-14-58: ~/Escritorio
practica@pc-14-58:~/Escritorio$ git clone git@github.com:rafdugcol/EGC-2425.git
Clonando en 'EGC-2425'...
The authenticity of host 'github.com (140.82.121.3)' can't be established.
ED25519 kev fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvC0qU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
remote: Enumerating objects: 382, done.
 remote: Counting objects: 100% (382/382), done.
 remote: Compressing objects: 100% (243/243), done.
 remote: Total 382 (delta 84), reused 382 (delta 84), pack-reused 0 (from 0)
Recibiendo objetos: 100% (382/382), 1.60 MiB | 2.42 MiB/s, listo.
 Resolviendo deltas: 100% (84/84), listo.
 practica@pc-14-58:~/Escritorio$
```

```
practica@pc-14-58: ~/Escritorio/EGC-2425
INFO [alembic.runtime.migration] Running upgrade -> 001, first migration
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ rosemary db:seed
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ flask run --host=0.0.0.0 --reload --debug
 * Debug mode: on
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://10.1.14.58:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
  Debugger PIN: 120-601-726
```

```
25$ git checkout feature/init-bug
error: Los cambios locales de los siquientes archivos serán sobrescritos por checkout:
Por favor realiza un commit con los cambios o un stash antes de cambiar de rama.
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git stash
Directorio de trabajo y estado de índice WIP on main: 7260a34 Introduce a bug in the view dataset card for the exam by commenting out the card section to simulate an error guardados
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git checkout feature/init-bug
rama 'feature/init-bug' configurada para rastrear 'origin/feature/init-bug'.
Cambiado a nueva rama 'feature/init-bug'
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ flask run --host=0.0.0.0 --reload --debug
Traceback (most recent call last):
 File "/home/practica/Escritorio/EGC-2425/venv/bin/flask", line 8, in <module>
  svs.exit(main())
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 1105, in main
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line 1078, in main
  rv = self.invoke(ctx)
        ^^^^^
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3,12/site-packages/click/core.py". line 1688. in invoke
   return process result(sub ctx.command.invoke(sub ctx))
                         ^^^^
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line 1434, in invoke
  return ctx.invoke(self.callback, **ctx.params)
          ^^^^^
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line 783, in invoke
  return callback(*args, **kwargs)
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/click/decorators.py", line 92, in new func
   return ctx.invoke(f, obj. *args, **kwargs)
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line 783, in invoke
   return callback(*args, **kwargs)
          File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 953, in run_command
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py". line 937. in run command
   app: WSGIApplication = info.load app()
                         ^^^^
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 339, in load_app
   app = locate_app(import_name, None, raise_if_not_found=False)
         ^^^^^
 File "/home/practica/Escritorio/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 245, in locate app
    import (module name)
 File "/home/practica/Escritorio/EGC-2425/app/ init .py", line 70, in <module>
   app = create app()
NameError: name 'create app' is not defined
```

```
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git checkout -b fix/app-init
Cambiado a nueva rama 'fix/app-init'
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git push -u origin fix/app-init
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Create a pull request for 'fix/app-init' on GitHub by visiting:
            https://github.com/rafduqcol/EGC-2425/pull/new/fix/app-init
remote:
To github.com:rafduqcol/EGC-2425.git
* [new branch] fix/app-init -> fix/app-init
rama 'fix/app-init' configurada para rastrear 'origin/fix/app-init'.
(venv) practica@pc-14-58:~/Escritorio/EGC-2425S git status
En la rama fix/app-init
Tu rama está actualizada con 'origin/fix/app-init'.
Cambios no rastreados para el commit:
 (usa "git add <archivo>..." para actualizar lo que será confirmado)
 (usa "git restore <archivo>..." para descartar los cambios en el directorio de trabajo)
sin cambios agregados al commit (usa "git add" y/o "git commit -a")
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ gi add app/__init__.py
gi: orden no encontrada
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git add app/ init .py
(venv) practicagpc-14-58:-/Escritorio/EGC-2425$ git commit -m "fix: Descomentar create app, para arrgelar bug al iniciar app. Closes #1"
[fix/app-init 03c2b9a] fix: Descomentar create_app, para arrgelar bug al iniciar app. Closes #1
1 file changed, 2 insertions(+), 2 deletions(-)
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git push
Enumerando objetos: 7, listo.
Contando objetos: 100% (7/7), listo.
Compresión delta usando hasta 20 hilos
Comprimiendo objetos: 100% (3/3), listo.
Escribiendo objetos: 100% (4/4), 498 bytes | 498.00 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.
To github.com:rafduqcol/EGC-2425.git
  02d2aef..03c2b9a fix/app-init -> fix/app-init
(venv) practica@pc-14-58:~/Escritorio/EGC-2425S
```

```
venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git checkout -b feature/conflicto
ambiado a nueva rama 'feature/conflicto'
venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git branch
feature/conflicto
feature/init-bug
fix/app-init
main
venv) practica@pc-14-58:~/Escritorio/EGC-2425$ []
```

```
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git add app/ init .pv
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git commit -m "feat: Implementa nueva uri al iniciar app"
 (venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git push -u origin feature/conflicto
 Enumerando objetos: 7, listo.
 Contando objetos: 100% (7/7), listo.
 Compresión delta usando hasta 20 hilos
 Comprimiendo objetos: 100% (4/4), listo.
 Escribiendo objetos: 100% (4/4), 498 bytes | 498.00 KiB/s, listo.
 Total 4 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
 remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
 remote:
 remote: Create a pull request for 'feature/conflicto' on GitHub by visiting:
              https://github.com/rafduqcol/EGC-2425/pull/new/feature/conflicto
 remote:
 remote:
 To github.com:rafdugcol/EGC-2425.git
  * [new branch] feature/conflicto -> feature/conflicto
 rama 'feature/conflicto' configurada para rastrear 'origin/feature/conflicto'.
```

```
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git checkout fix/app-init
Cambiado a rama 'fix/app-init'
Tu rama está actualizada con 'origin/fix/app-init'.
```

```
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git status
En la rama fix/app-init
Tu rama está actualizada con 'origin/fix/app-init'.
Cambios no rastreados para el commit:
 (usa "qit add <archivo>..." para actualizar lo que será confirmado)
 (usa "git restore <archivo>..." para descartar los cambios en el directorio de trabajo)
sin cambios agregados al commit (usa "git add" y/o "git commit -a")
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git add app/_init_.py
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git commit -m "feat: Imple<u>menta uri al iniciar app"</u>
[fix/app-init dc1c4cd] feat: Implementa uri al iniciar app
1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git push
Enumerando objetos: 7, listo.
Contando objetos: 100% (7/7), listo.
Compresión delta usando hasta 20 hilos
Comprimiendo objetos: 100% (4/4), listo.
Escribiendo objetos: 100% (4/4), 493 bytes | 493.00 KiB/s, listo.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To github.com:rafdugcol/EGC-2425.git
  03c2b9a..dc1c4cd fix/app-init -> fix/app-init
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$
```

```
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git merge∏feature/conflicto
```

Apartado 8

Fix the bug in the view\_dataset card by uncommenting the card section, restoring the dataset view functionality







```
(veny) practica@pc-14-58:~/Escritorio/EGC-2425$ git checkout main
Cambiado a rama 'main'
Tu rama está actualizada con 'origin/main'.
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git cherry-pick 678e7dc6853fb1e1b1b64c5116e6b44e4a5054ab
[main 47469a9] Fix the bug in the view dataset card by uncommenting the card section, restoring the dataset view functionality
Author: Belen Ramos <br/>
<br/>
broutierrez@us.es>
Date: Wed Jan 8 09:29:03 2025 +0100
2 files changed, 3 insertions(+), 2 deletions(-)
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git status
En la rama main
Tu rama está adelantada a 'origin/main' por 1 commit.
  (usa "git push" para publicar tus commits locales)
nada para hacer commit, el árbol de trabajo está limpio
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git push
Enumerando objetos: 17, listo.
Contando objetos: 100% (17/17), listo.
Compresión delta usando hasta 20 hilos
Comprimiendo objetos: 100% (6/6), listo.
Escribiendo objetos: 100% (9/9). 726 bytes | 726.00 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:rafdugcol/EGC-2425.git
  7260a34..47469a9 main -> main
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$
```

```
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ git checkout config/ci
rama 'config/ci' configurada para rastrear 'origin/config/ci'.
Cambiado a nueva rama 'config/ci'
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$
```

```
steps:
- uses: actions/checkout@v4

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

```
MYSQL ROOT PASSWORD: uvlhub root password
     MYSOL DATABASE: uvlhubdb test
     MYSQL USER: uvlhub user
     MYSQL PASSWORD: uvlhub password
   ports:
      - 3306:3306
   options: --health-cmd="mysgladmin ping" --health-interval=10s --heal
steps:
- uses: actions/checkout@v4
- uses: actions/setup-python@v5
 with:
   python-version: '3.11'
- name: Prepare environment
 run: I
    sed -i '/rosemary @ file:\/\/\app/d' requirements.txt
- name: Install dependencies
 run:
   python -m pip install --upgrade pip
   pip install -r requirements.txt
- name: Check for outdated dependencies
 run: |
   pip list --outdated
```

```
pytest:
    runs-on: ubuntu-latest

services:
    mysql:
    image: mysql: [5.7, 8.0]
    env:
        MYSQL_ROOT_PASSWORD: uvlhub_root_password
        MYSQL_DATABASE: uvlhubdb_test
        MYSQL_USER: uvlhub_user
        MYSQL_PASSWORD: uvlhub_password
    ports:
        - 3306:3306
```

```
[+] Running 6/7 mage sha256:b39b0cc77bc29ba12123351562039fcf474309999dc0586342ddc2587211031c
 ✓ Service db
 ✓ Service web
 ✓ Network docker uvlhub network
 ✓ Volume "docker db data"
  Container mariadb container
                                        Starting
✓ Container web app container

✓ Container nginx web server container Created

Error response from daemon: driver failed programming external connectivity on endpoint mariadb container (ea10560cf12953c034f43c88918ea981f5f5f549dac474f0e1824e6e6590aa42): fa
06/tcp: Error starting userland proxy: listen tcp4 0.0.0.0:3306: bind: address already in use
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ sudo lsof -i :3306
[sudo] contraseña para practica:
COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME
mariadbd 1383 mysgl 28u IPv4 24281
                                           0t0 TCP localhost:mysql (LISTEN)
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ sudo kill 1383
(venv) practica@pc-14-58:-/Escritorio/EGC-2425$ docker compose -f docker/docker-compose.dev.yml down

✓ Container nginx web server container Removed

✓ Container web app container

✓ Container mariadb container

 ✓ Network docker uvlhub network
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ docker compose -f docker/docker-compose.dev.yml down -v
[+] Running 1/0

✓ Volume docker db data Removed
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ docker compose -f docker/docker-compose.dev.yml up -d
 ✓ Network docker uvlhub network
 ✓ Volume "docker db data"
✓ Container mariadb container
✓ Container web app container

✓ Container nginx web server container Started
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ docker ps
CONTAINER ID IMAGE
                                                                                                                                             NAMES
                                        COMMAND
                                                                 CREATED
                                                                                  STATUS
                                                                                                  PORTS
f6b44b4ffe2e nginx:latest
                                         "/docker-entrypoint..."
                                                                 17 seconds ago
                                                                                  Up 16 seconds
                                                                                                  0.0.0.0:80->80/tcp, :::80->80/tcp
                                                                                                                                             nginx web server container
d79253fc2a14 drorganvidez/uvlhub:dev
                                        "sh -c 'sh /app/dock..."
                                                                 17 seconds ago Up 16 seconds
                                                                                                  5000/tcp
                                                                                                                                             web app container
                                         "docker-entrypoint.s..."
                                                                                                                                             mariadb container
c926a6b115da docker-db
                                                                 17 seconds ago
                                                                                 Up 16 seconds
                                                                                                  0.0.0.0:3306->3306/tcp, :::3306->3306/tcp
```

```
app = create_app()

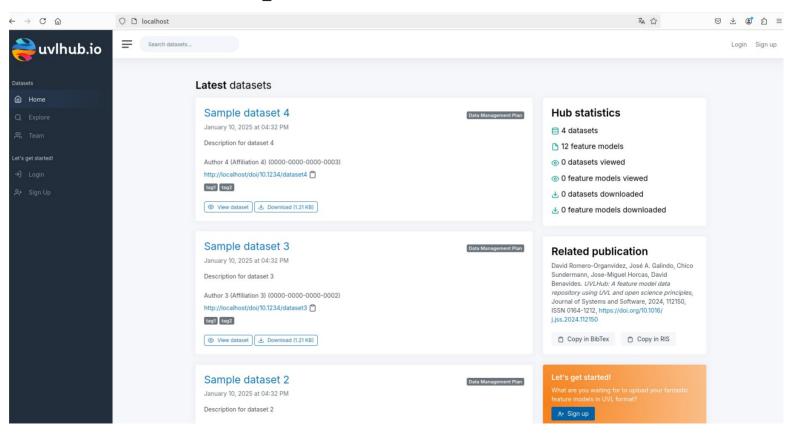
if __name__ == '__main__':
    app.run(host='0.0.0.0', port=5000, debug=False)
```

```
venv) practica@pc-14-58:~/Escritorio/EGC-2425$ docker compose -f docker/docker-compose.dev.yml up -d
✓ Network docker uvlhub network
 /Volume "docker db data"

✓ Container mariadb container

✓ Container web app container

✓ Container nginx web server container Started
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$ docker ps
ONTAINER ID IMAGE
                                       COMMAND
                                                                CREATED
                                                                                 STATUS
                                                                                                PORTS
                                                                                                                                            NAMES
                                       "/docker-entrypoint...."
                                                                                                                                           nginx web server container
6e79202697a8 nginx:latest
                                                                25 seconds ago Up 23 seconds 0.0.0.0:80->80/tcp, :::80->80/tcp
             drorganvidez/uvlhub:dev "sh -c 'sh /app/dock..."
                                                                                                                                           web app container
37769c70aa8d
                                                                25 seconds ago
                                                                                Up 24 seconds
                                                                                                5000/tcp
L951d31967d9 docker-db
                                       "docker-entrypoint.s..."
                                                               25 seconds ago Up 24 seconds 0.0.0.0:3306->3306/tcp, :::3306->3306/tcp
                                                                                                                                           mariadb container
(venv) practica@pc-14-58:~/Escritorio/EGC-2425$
```



# Ejercicio Vagrant

```
# Provider configuration
config.vm.provider "virtualbox" do |vb|
vb.memory = "4000"
vb.cpus = 6
end
end
```

### Ejercicio Vagrant

#### Apartado 2

cp .env.vagrant.example .env, y luego cd vagrant

```
(venv) practica@pc-14-58:~/Escritorio/EGC-2425/vagrant$ vagrant up
Loading .env file from: /home/practica/Escritorio/EGC-2425/.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'
    default: URL: https://vagrantcloud.com/api/v2/vagrant/ubuntu/jammy64
==> default: Adding box 'ubuntu/jammy64' (v20241002.0.0) for provider: virtualbox
    default: Downloading: https://vagrantcloud.com/ubuntu/boxes/jammy64/versions/20241002.0.0/providers/virtualbox/unknown/va
```