

Intensificación Colaborativa

Nombre: Alberto

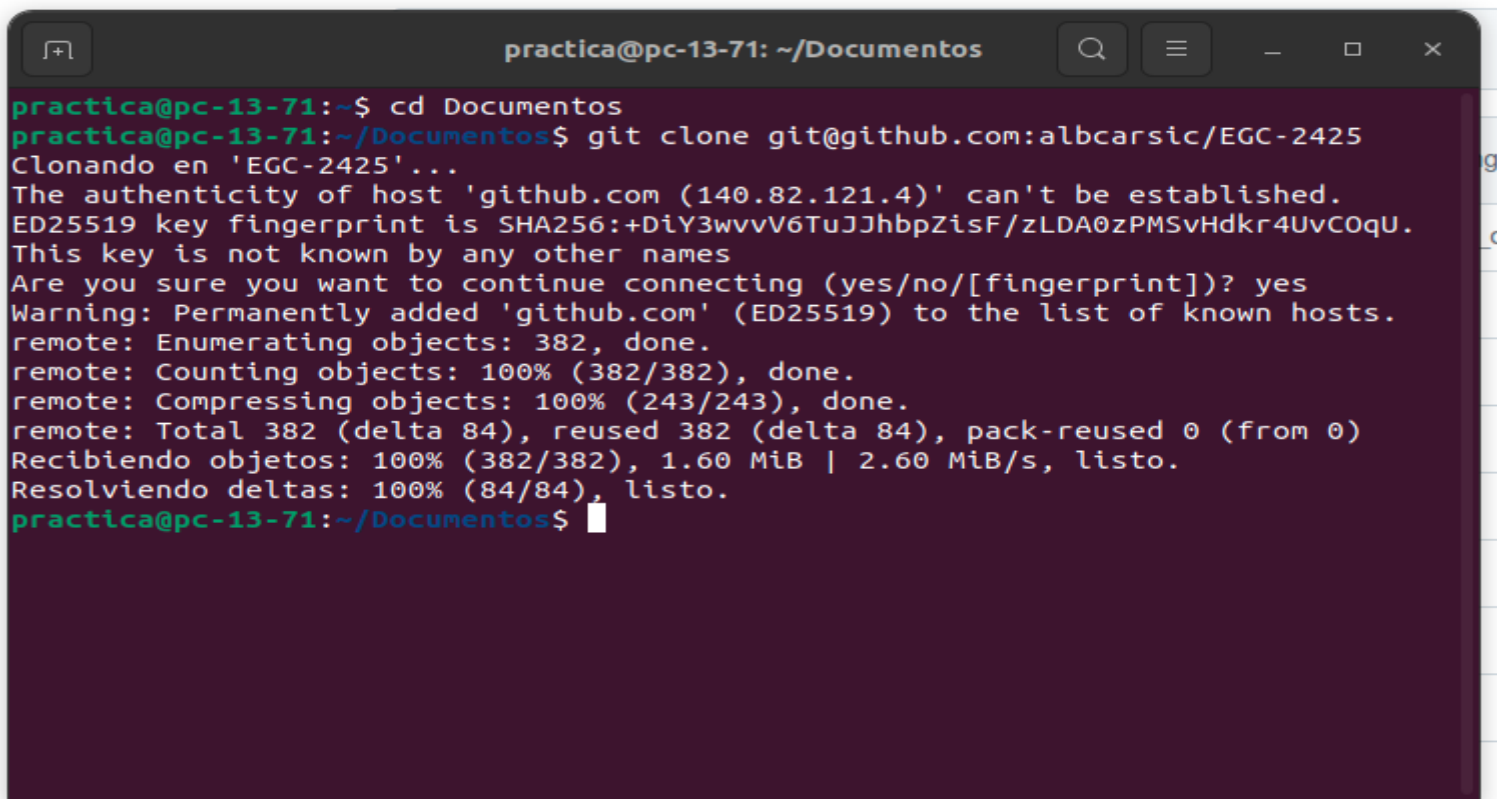
Apellidos: Carmona Sicre

UVUS:albcarsic

Enlace al repositorio de
GitHub:<https://github.com/albcarsic/EGC-2425>

Ejercicio Git

Apartado 1

A terminal window with a dark background and light text. The window title is 'practica@pc-13-71: ~/Documentos'. The terminal shows the execution of 'git clone' to clone a repository from GitHub. It displays the progress of cloning, including object enumeration, counting, and compression, and confirms the successful completion of the operation.

```
practica@pc-13-71:~$ cd Documentos
practica@pc-13-71:~/Documentos$ git clone git@github.com:albcarsic/EGC-2425
Clonando en 'EGC-2425'...
The authenticity of host 'github.com (140.82.121.4)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.
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 | 2.60 MiB/s, listo.
Resolviendo deltas: 100% (84/84), listo.
practica@pc-13-71:~/Documentos$
```

Ejercicio Git

```
Commands:
  clear:cache      Clears pytest cache in app/modules and the build...
  clear:log        Clears the 'app.log' file.
  clear:uploads    Clears the 'uploads' directory.
  compose:env      Combines .env files from blueprints with the root .env,...
  coverage         Runs pytest coverage on the blueprints directory or a...
  db:console       Opens a MariaDB console with credentials from .env.
  db:migrate       Generates and applies database migrations.
  db:reset         Resets the database, optionally clears migrations and...
  db:seed          Populates the database with the seeders defined in each...
  env              Displays the current .env file values.
  info             Displays information about the Rosemary CLI.
  linter           Runs flake8 linter on the 'app' and 'rosemary' directories.
  locust           Launches Locust for load testing based on the environment.
  locust:stop      Stops the Locust container if it is running.
  make:module      Creates a new module with a given name.
  module:list      Lists all modules and those ignored by .moduleignore.
  route:list       Lists all routes of the Flask application.
  selenium         Executes Selenium tests based on the environment.
  test             Runs pytest on the blueprints directory or a specific...
  update           This command updates all packages based on the...
  zip              Generates a zip file named egc_<uvus>_entrega.zip...

• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ flask db upgrade
INFO [alembic.runtime.migration] Context impl MySQLImpl.
INFO [alembic.runtime.migration] Will assume non-transactional DDL.
INFO [alembic.runtime.migration] Running upgrade -> 001, first migration
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ rosemary db:seed
Seeding data for all modules...
AuthSeeder performed.
DataSetSeeder performed.
FeaturemodelSeeder performed.
FlamapySeeder performed.
WebhookSeeder performed.
HubfileSeeder performed.
Database populated with test data.
○ (venv) practica@pc-13-71:~/Documentos/EGC-2425$ 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://10.1.13.71:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 922-783-529
```

Ejercicio Git

Apartado 3

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

• (venv) practica@pc-13-71:~/Documentos/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-13-71:~/Documentos/EGC-2425$ flask run --host=0.0.0.0 --reload --debug
Traceback (most recent call last):
  File "/home/practica/Documentos/EGC-2425/venv/bin/flask", line 8, in <module>
    sys.exit(main())
    ~~~~~
  File "/home/practica/Documentos/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 1105, in main
    cli.main()
  File "/home/practica/Documentos/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line 1078, in main
    rv = self.invoke(ctx)
    ~~~
  File "/home/practica/Documentos/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/Documentos/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/Documentos/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line 783, in invoke
    return __callback(*args, **kwargs)
    ~~~~~
  File "/home/practica/Documentos/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/Documentos/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line 783, in invoke
    return __callback(*args, **kwargs)
    ~~~~~
  File "/home/practica/Documentos/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 953, in run_command
    raise e from None
  File "/home/practica/Documentos/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 937, in run_command
    app: WSGIApplication = info.load_app()
    ~~~~~
  File "/home/practica/Documentos/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/Documentos/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 245, in locate_app
    __import__(module_name)
  File "/home/practica/Documentos/EGC-2425/app/__init__.py", line 70, in <module>
    app = create_app()
    ~~~~~
NameError: name 'create_app' is not defined
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$
```

Ejercicio Git

Apartado 4

Ejercicio Git

Apartado 5

Estando en la rama feature/init-bug:

```
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git checkout -b fix/app-init  
Cambiado a nueva rama 'fix/app-init'
```

```
NameError: name 'create_app' is not defined
```

```
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ 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://10.1.13.71:5000
```

```
Press CTRL+C to quit
```

```
* Restarting with stat
```

```
* Debugger is active!
```

```
* Debugger PIN: 922-783-529
```

```
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git push -u origin fix/app-init
```

```
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), 497 bytes | 497.00 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 'fix/app-init' on GitHub by visiting:
```

```
remote: https://github.com/albcarsic/EGC-2425/pull/new/fix/app-init
```

```
remote:
```

```
To github.com:albcarsic/EGC-2425
```

```
* [new branch] fix/app-init -> fix/app-init
```

```
rama 'fix/app-init' configurada para rastrear 'origin/fix/app-init'.
```

Ejercicio Git

Apartado 6

Ejercicio Git

Apartado 7

A partir de la rama `fix/app-init`

```
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git checkout -b feature/conflicto  
Cambiado a nueva rama 'feature/conflicto'
```

```
21  
22 def create_app(config_name='development'):  
23     app = Flask(__name__)  
24  
25     # Load configuration according to environment  
26     config_manager = ConfigManager(app)  
27     config_manager.load_config(config_name=config_name)  
28  
29     # Initialize SQLAlchemy and Migrate with the app  
30     db.init_app(app, uri=os.getenv('DB_CONNECTION_STRING'))  
31     migrate.init_app(app, db)  
32
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
* [new branch]      fix/app-init -> fix/app-init  
rama 'fix/app-init' configurada para rastrear 'origin/fix/app-init'.  
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git checkout -b feature/conflicto  
Cambiado a nueva rama 'feature/conflicto'  
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git add .  
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git commit -m "Cambiar configuración bd"  
[feature/conflicto 630lecc] Cambiar configuración bd  
1 file changed, 1 insertion(+), 1 deletion(-)  
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git checkout fix/app-init
```



```

Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
30 <<<<<< HEAD (Current Change)
31     db.init_app(app, uri=os.getenv('DATABASE_URI'))
32 =====
33     db.init_app(app, uri=os.getenv('DB_CONNECTION_STRING'))
34 >>>>>> feature/conflicto (Incoming Change)
35     migrate.init_app(app, db)
36
37     # Register modules
38     module_manager = ModuleManager(app)
39     module_manager.register_modules()

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git fetch
remote: Enumerating objects: 1, done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 1 (from 1)
Desempaquetando objetos: 100% (1/1), 926 bytes | 926.00 KiB/s, listo.
Desde github.com:albcarsic/EGC-2425
    02d2aef..89e2db6 feature/init-bug -> origin/feature/init-bug
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git add .
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git commit -m "Cambiar configuración bd"
[fix/app-init 9de83bd] Cambiar configuración bd
1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ 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-13-71:~/Documentos/EGC-2425$

```

1 file changed, 1 insertion(+), 1 deletion(-)

Ejercicio Git

Apartado 7

```
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
30 <<<<<<< HEAD (Current Change)
31     db.init_app(app, uri=os.getenv('DATABASE_URI'))
32 =====
33     db.init_app(app, uri=os.getenv('DB_CONNECTION_STRING'))
34 >>>>>>> feature/conflicto (Incoming Change)
35     migrate.init_app(app, db)
36
29     # Initialize SQLAlchemy and Migrate with the app
30     db.init_app(app, uri=os.getenv('DATABASE_URI'))
31     db.init_app(app, uri=os.getenv('DB_CONNECTION_STRING'))
32
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git fetch
remote: Enumerating objects: 1, done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 1 (from 1)
Desempaquetando objetos: 100% (1/1), 926 bytes | 926.00 KiB/s, listo.
Desde github.com:albcarsic/EGC-2425
   02d2aef..89e2db6  feature/init-bug -> origin/feature/init-bug
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git add .
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ git commit -m "Cambiar configuración bd"
[fix/app-init 9de83bd] Cambiar configuración bd
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ 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-13-71:~/Documentos/EGC-2425$
```

Ejercicio Git

Apartado 7

```
28
29     # Initialize SQLAlchemy and Migrate with the app
30     db.init_app(app, uri=os.getenv('DATABASE_URI'))
31     db.init_app(app, uri=os.getenv('DB_CONNECTION_STRING'))|
32
```

```
fatal: Saliendo porque existe un conflicto sin resolver.
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ git commit
[fix/app-init 51c7cd5] Merge branch 'feature/conflicto' into fix/app-init
○ (venv) practica@pc-13-71:~/Documentos/EGC-2425$ █

[fix/app-init 51c7cd5] Merge branch 'feature/conflicto' into fix/app-init
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ git push
Enumerando objetos: 12, listo.
Contando objetos: 100% (12/12), listo.
Compresión delta usando hasta 20 hilos
Comprimiendo objetos: 100% (9/9), listo.
Escribiendo objetos: 100% (9/9), 1011 bytes | 505.00 KiB/s, listo.
Total 9 (delta 6), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (6/6), completed with 2 local objects.
To github.com:albcarsic/EGC-2425
   3ad3c75..51c7cd5  fix/app-init -> fix/app-init
○ (venv) practica@pc-13-71:~/Documentos/EGC-2425$ █
```

Ejercicio GitHub Actions

Apartado 1

```
25
26   - uses: actions/setup-python@v5
27     with:
28       python-version: '3.11'
29
30   - name: Prepare environment
31     run: |
32       sed -i '/rosemary @ file:\\\\\\app/d' requirements.txt
33
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Contando objetos: 100% (12/12), listo.
Compresión delta usando hasta 20 hilos
Comprimiendo objetos: 100% (9/9), listo.
Escribiendo objetos: 100% (9/9), 1011 bytes | 505.00 KiB/s, listo.
Total 9 (delta 6), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (6/6), completed with 2 local objects.
To github.com:albcarsic/EGC-2425
3ad3c75..51c7cd5 fix/app-init -> fix/app-init
• (venv) practica@pc-13-71:~/Documentos/EGC-2425\$ git checkout config/ci
rama 'config/ci' configurada para rastrear 'origin/config/ci'.
Cambiado a nueva rama 'config/ci'
• (venv) practica@pc-13-71:~/Documentos/EGC-2425\$ git checkout config/ci
Cambiado a rama 'config/ci'
Tu rama está actualizada con 'origin/config/ci'.
• (venv) practica@pc-13-71:~/Documentos/EGC-2425\$

Ejercicio GitHub Actions

Apartado 2

```
outdated_dependencies:
  runs-on: ubuntu-latest

  services:
    mysql:
      image: mysql:5.7
      env:
        MYSQL_ROOT_PASSWORD: uvlhub_root_password
        MYSQL_DATABASE: uvlhubdb_test
        MYSQL_USER: uvlhub_user
        MYSQL_PASSWORD: uvlhub_password
      ports:
        - 3306:3306
      options: --health-cmd="mysqladmin ping" --health-interval=10s --health-timeout=5s --health-retries=3

  steps:
    - name: Check for outdated dependencies
      run: |
        pip list --outdated
```

Ejercicio GitHub Actions

Apartado 3

Hacer un push y comprobar desde GitHub Actions que se ejecuta el job

Ejercicio Pruebas

Apartado 1

```
(venv) practica@pc-13-71:~/Documentos/EGC-2425$ PYTHONPATH=. pytest --cov=app --cov-report=html --ignore-glob='selenium' app/modules/auth/tests/
```

Ejercicio Pruebas

Apartado 2

Se realizarían las pruebas con la aplicación funcionando y en locust

```
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ 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://10.1.13.71:5000
Press CTRL+C to quit
  * Restarting with stat
  * Debugger is active!
  * Debugger PIN: 922-783-529
○ ^C(venv) practica@pc-13-71:~/Documentos/EGC-2425$ locust -f locustfile.py
```


Ejercicio Pruebas

Apartado 3

Ejercicio Pruebas

Apartado 4

```
def test_login_falla_con_campos_vacios(test_client):  
    response = test_client.post(  
        "/login", data=dict(email="", password=""), follow_redirects=True  
    )  
  
    assert response.request.path == url_for("auth.login"), "Login was unsuccessful"
```

```

123      "/login".data=dict(email="test@example.com", password="test1234").follow_redirects=True
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

def test_login_falla_con_campos_vacios(test_client):
    response = test_client.post(
        "/login", data=dict(email="", password=""), follow_redirects=True
    )

> assert response.request.path == url_for("auth.login"), "Login was unsuccessful"
E AssertionError: Login was unsuccessful
E assert '/' == '/login'
E - /login
E + /

app/modules/auth/tests/test_unit.py:135: AssertionError
----- Captured stderr call -----
[2025-01-10 17:52:29,302] INFO in routes: Access index
2025-01-10 17:52:29,302 - app.modules.public.routes - INFO - Access index
----- Captured log call -----
INFO app.modules.public.routes:routes.py:14 Access index

----- coverage: platform linux, python 3.12.8-final-0 -----
Coverage HTML written to dir htmlcov

===== short test summary info =====
FAILED app/modules/auth/tests/test_unit.py::test_conteo_exitoso - AttributeError: 'function' object has no attribute
FAILED app/modules/auth/tests/test_unit.py::test_login_falla_con_campos_vacios - AssertionError: Login was unsuccessful
===== 2 failed, 9 passed in 4.13s =====

• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ git add .
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ git commit -m "Pruebas"
[test/exam c13b3fc] Pruebas
1 file changed, 16 insertions(+)
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$ git push
Enumerando objetos: 13, listo.
Contando objetos: 100% (13/13), listo.
Compresión delta usando hasta 20 hilos
Comprimiendo objetos: 100% (7/7), listo.
Escribiendo objetos: 100% (7/7), 626 bytes | 626.00 KiB/s, listo.
Total 7 (delta 6), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (6/6), completed with 6 local objects.
To github.com:albcarsic/EGC-2425
d46ce49..c13b3fc test/exam -> test/exam
• (venv) practica@pc-13-71:~/Documentos/EGC-2425$

```

Ejercicio Docker

Apartado 1

Ejercicio Vagrant

Apartado 1