

# Intensificación Técnica

Nombre: Daniel

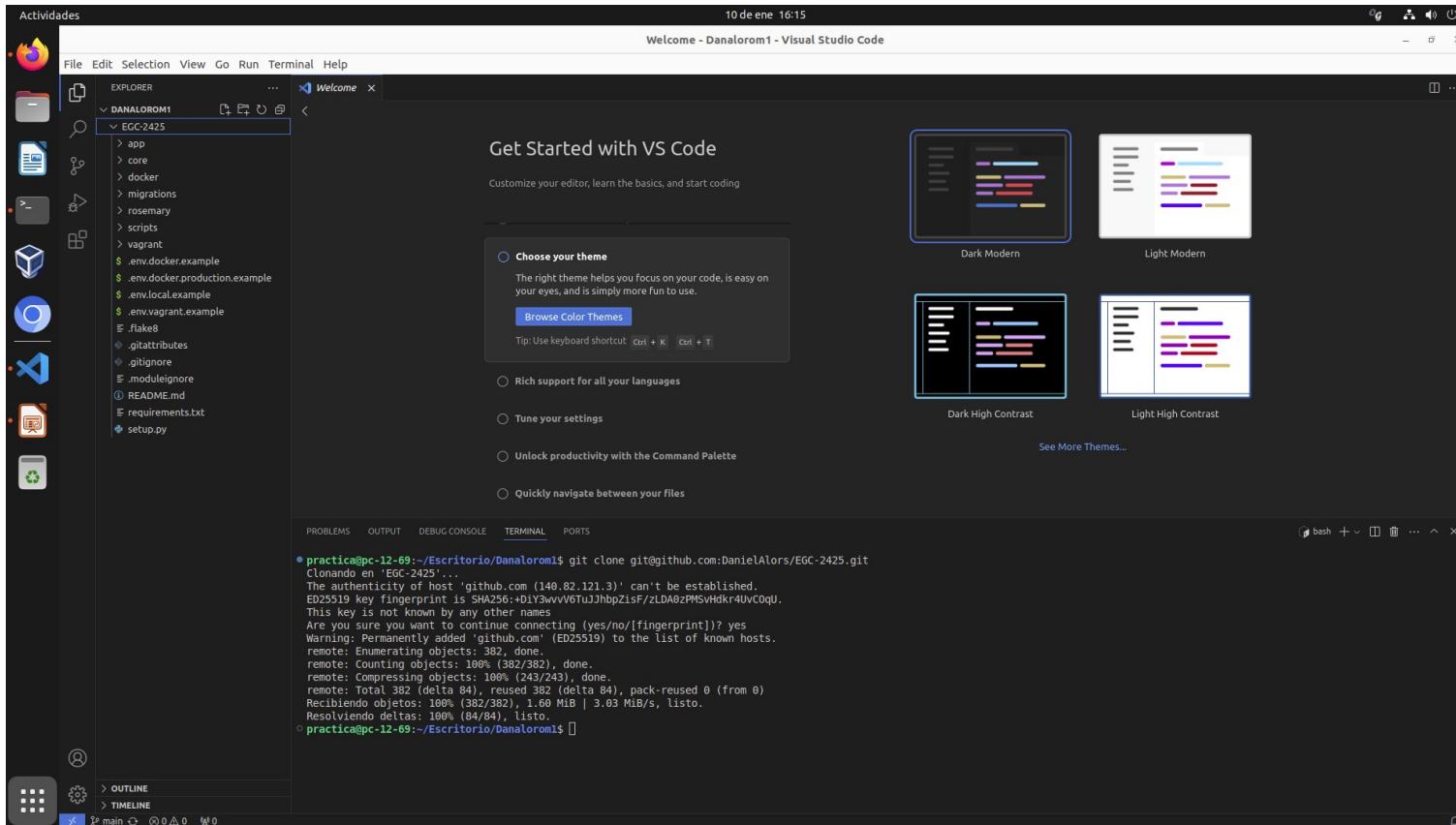
Apellidos: Alors Romero

UVUS:Danalorom1

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

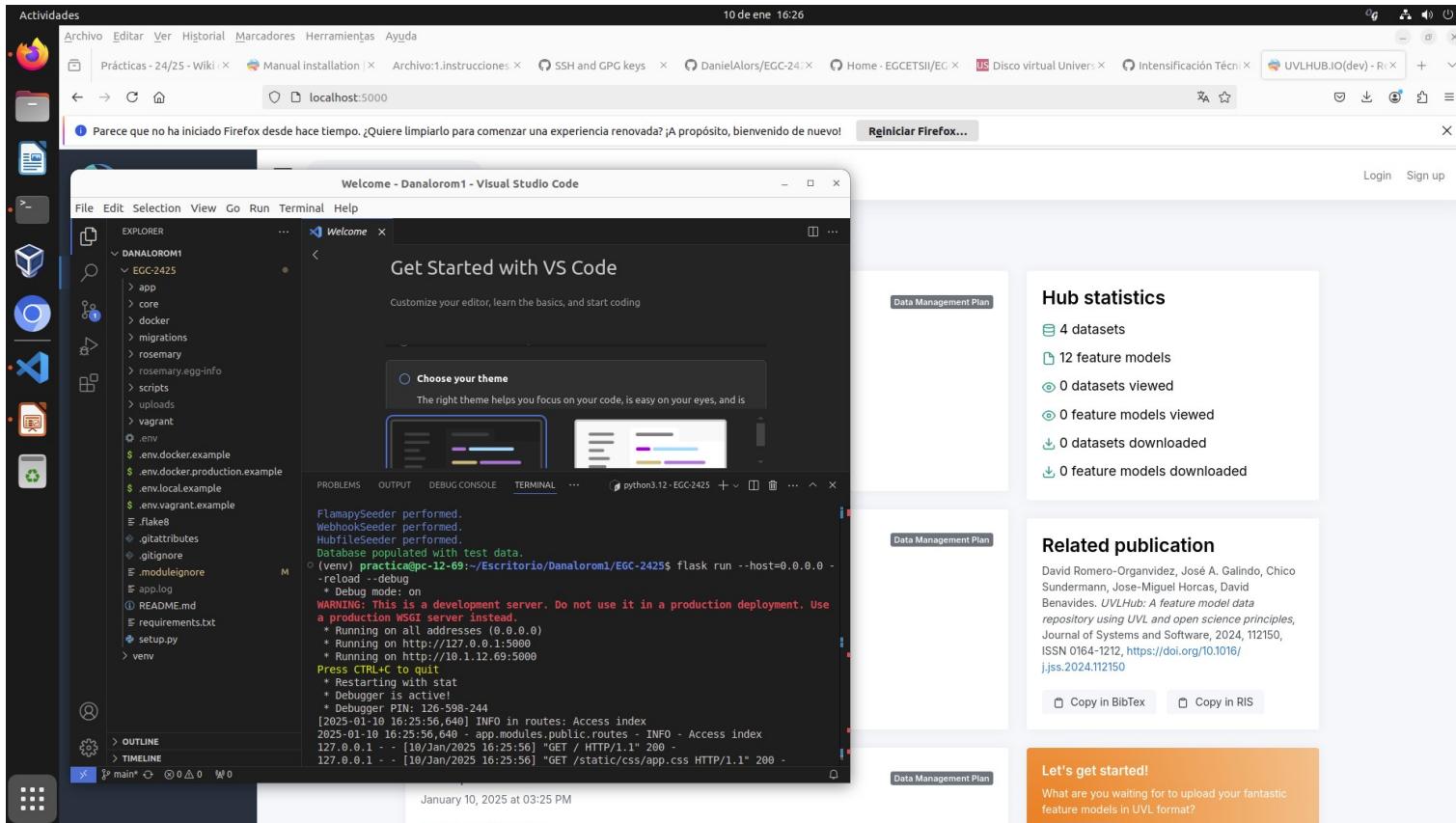
# Ejercicio Git

## Apartado 1



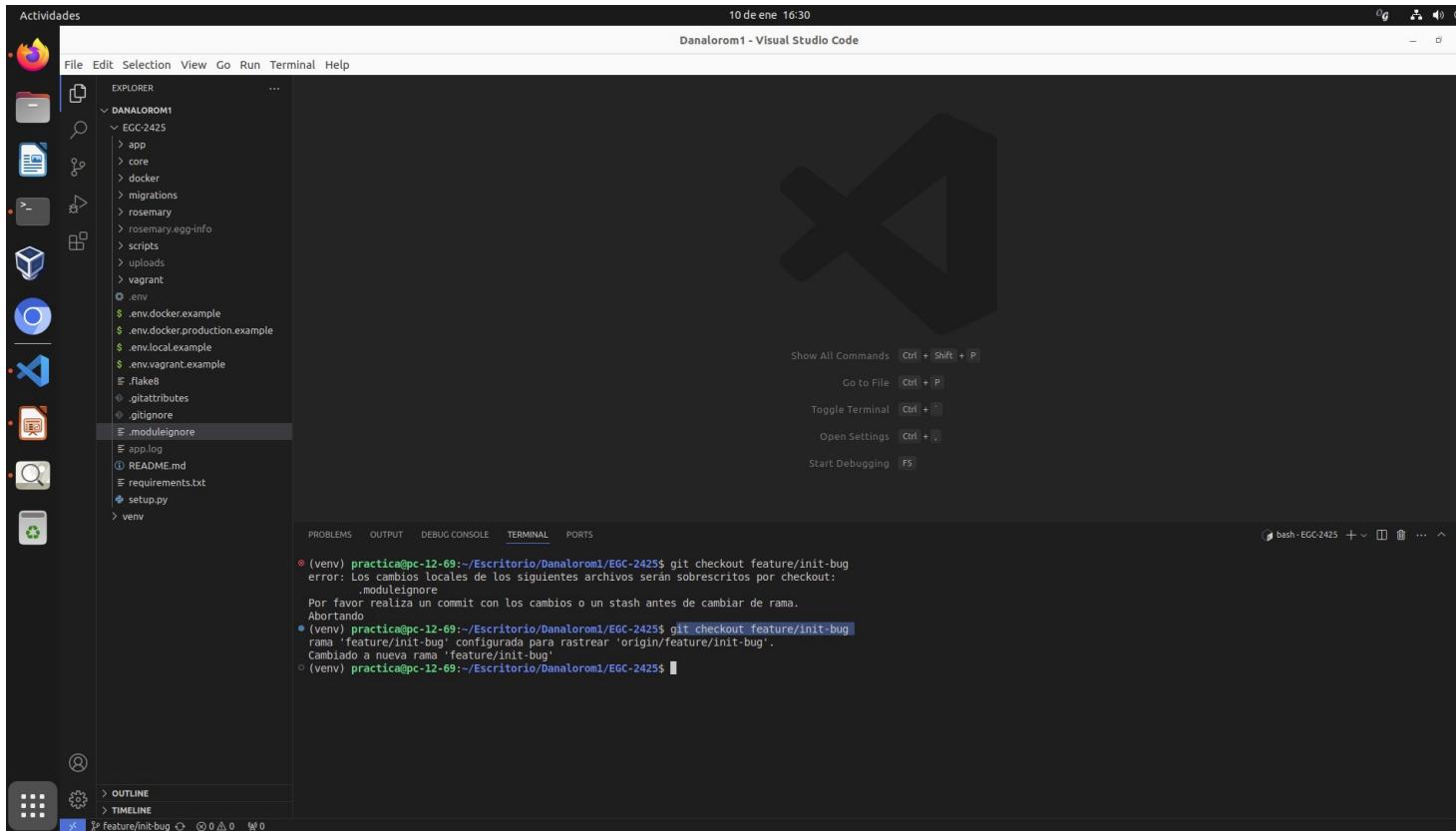
# Ejercicio Git

## Apartado 2



# Ejercicio Git

## Apartado 3



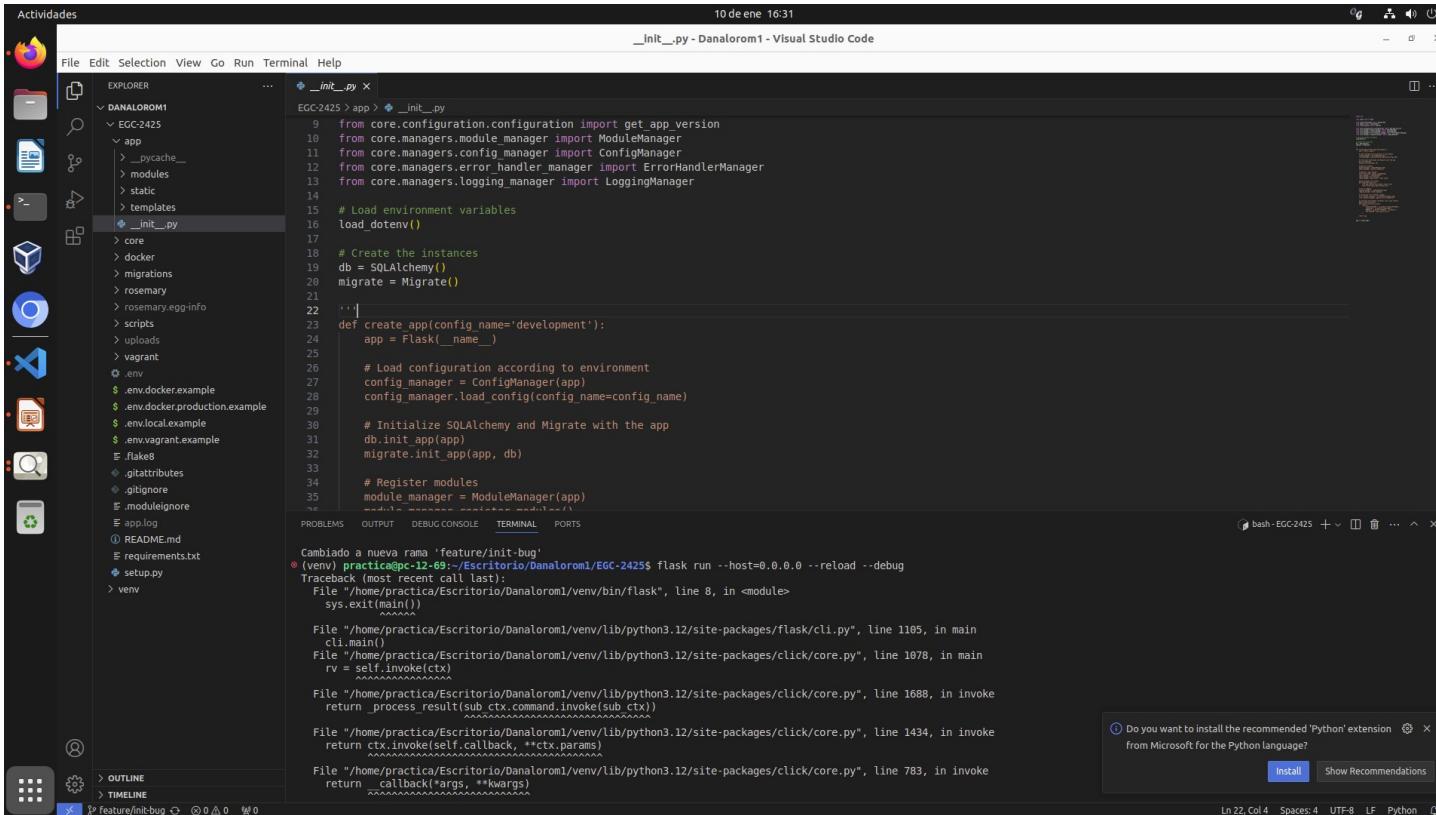
The screenshot shows the Visual Studio Code interface with the following details:

- Title Bar:** Actividades, 10 de ene 16:30, Danalorom1 - Visual Studio Code.
- File Explorer:** Shows a project structure under 'DANALOROM1/EGC-2425' containing 'app', 'core', 'docker', 'migrations', 'rosemary', 'scripts', 'uploads', and 'vagrant'. It also lists files like '.env', '.env.docker.example', '.env.docker.production.example', '.env.local.example', '.env.vagrant.example', '.fake8', '.gitattributes', '.gitignore', '.moduleignore', 'app.log', 'README.md', 'requirements.txt', 'setup.py', and 'venv'.
- Terminal:** The terminal window shows the following command history:

```
(venv) practice@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$ git checkout feature/init-bug
error: Los cambios locales de los siguientes archivos serán sobreescritos por checkout:
        .moduleignore
Por favor, realiza un commit con los cambios o un stash antes de cambiar de rama.
Abortando
(venv) practice@pc-12-69:~/Escritorio/Danalorom1/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) practice@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$
```
- Bottom Status Bar:** Shows icons for outline, timeline, and search, along with file status indicators (0, 0, 0).

# Ejercicio Git

## Apartado 3



The screenshot shows a Visual Studio Code interface with the following details:

- Title Bar:** 10 de ene 16:31, \_init\_.py - Danalorom1 - Visual Studio Code
- File Explorer:** Shows the project structure for EGC-2425, including app, core, docker, migrations, static, templates, and various environment files (.env, .env.docker.example, etc.).
- Code Editor:** Displays the content of the \_init\_.py file. The code initializes a Flask application, configures it with environment variables, and sets up a database connection using SQLAlchemy.
- Terminal:** Shows the command: flask run --host=0.0.0.0 --reload --debug, which was run from the venv directory.
- Bottom Status Bar:** Líneas 22, Col 4 / Spacios 4, UTF-8, LF, Python.
- Extension Bar:** A notification from Microsoft asks if the user wants to install the recommended 'Python' extension.

# Ejercicio Git

## *Apartado 3*

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure for "DANALORMI" containing "app", "core", "docker", "migrations", "modules", "static", and "templates". A file named "init\_.py" is selected.
- Code Editor:** Displays the content of "init\_.py". The code initializes a Flask app, loads configuration from "config\_name", and performs database migrations using SQLAlchemy and Migrate. It also registers modules and a login manager.
- Terminal:** Shows the command "flask run --host=0.0.0.0 --reload --debug" being run in a terminal window titled "python3.12-EGC-2425". The output indicates that "create\_app" is not defined and provides deployment warnings.
- Status Bar:** Shows the status "Ln 68, Col 1 Spaces: 4 UTF-8 LF Python".
- Bottom Status Bar:** A message asks if the user wants to install the recommended "Python" extension from Microsoft.

Se descomenta y  
ya se puede  
lanzar

# Ejercicio Git

## Apartado 4

The screenshot shows a Linux desktop environment with a dark theme. A Firefox browser window is open, displaying a GitHub issue creation page. The URL in the address bar is <https://github.com/DanielAlors/EGC-2425/issues/new>. The page is titled "Add a title" and contains the following text in the title field:

Error al lanzar la aplicación

Below the title field is a rich text editor with a "Write" tab selected. The content area contains the following text:

En la rama feature/init-bug, hay un error que impide lanzar la aplicación debido a que no encuentra una función en app/\_\_init\_\_.py. Para reproducirlo, utilizar el comando flask run --host=0.0.0.0 --reload --debug, en tu entorno virtual.

Captura del error:  


On the right side of the issue creation form, there are several sections:

- Assignees:** DanielAlors
- Labels:** bug
- Projects:** None yet
- Milestone:** No milestone
- Development:** Shows branches and pull requests linked to this issue.
- Helpful resources:** GitHub Community Guidelines

At the bottom of the form, there is a green "Submit new issue" button.

At the very bottom of the screen, there is a footer with links to GitHub's terms, privacy, security, status, docs, contact, manage cookies, and a "Do not share my personal information" option.

# Ejercicio Git

## *Apartado 5*

```
● ^C(venv) practica@pc-12-69:~/Escritorio/Danalarom1/EGC-2425$ git checkout -b fix/app-init
Cambiado a nueva rama 'fix/app-init'
○ (venv) practica@pc-12-69:~/Escritorio/Danalarom1/EGC-2425$ █
```

# Ejercicio Git

## Apartado 5

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure for "DANALORM1" containing "EGC-2425" which has "app", "core", "docker", "migrations", "static", "templates", and "venv" subfolders.
- Terminal:** Displays a terminal session for the user "practica" on a PC-12-69. The session shows:
  - Running `git status` to check for changes.
  - Fixing an error in `\_\_init\_\_.py` by adding code to handle configuration files.
  - Running `git commit -m "fix: Arreglando error en \_\_init\_\_.py. Closes #1"` to commit the fix.
  - Pushing the changes to a remote repository using `git push --set-upstream origin fix/app-init`.
- Status Bar:** Shows the date and time (10 de ene 16:44), file encoding (UTF-8), and other system information.
- Bottom Right:** A notification from Microsoft suggests installing the "Python" extension for the Python language.

# Ejercicio Git

## Apartado 6

The screenshot shows a Linux desktop environment with a dark theme. A vertical dock on the left contains icons for various applications like a terminal, file manager, and system settings. The main window is a Firefox browser displaying a GitHub comparison page. The URL in the address bar is <https://github.com/DanielAlors/EGC-2425/compare/feature/init-bug...DanielAlors:EGC-2425:fix/app-init>. The page title is "Comparing changes". The comparison is between "base: feature/init-bug" and "compare: fix/app-init". It shows "Able to merge" and "1 commit" from "DanielAlors" on Jan 10, 2025, with the commit message "fix: Arreglo error en \_\_init\_\_.py. Closes #1". The code diff shows changes in `app/__init__.py`, specifically adding a `migrate = Migrate()` line and a `def inject_vars_into_jinja()` function. The browser status bar indicates it was opened on January 10, 2025, at 16:46.

# Ejercicio Git

## Apartado 6

The screenshot shows a Firefox browser window with multiple tabs open at the top. The main content area displays a GitHub pull request creation page. The URL in the address bar is <https://github.com/DanielAlors/EGC-2425/compare/feature/init-bug...DanielAlors:EGC-2425:fix/app-init>. A message at the top says "Parece que no ha iniciado Firefox desde hace tiempo. ¿Quiere limpiarlo para comenzar una experiencia renovada? ¡A propósito, bienvenido de nuevo!" with a "Reiniciar Firefox..." button. Another message below it says "GitHub users are now required to enable two-factor authentication as an additional security measure. Your activity on GitHub includes you in this requirement. You will need to enable two-factor authentication on your account before February 21, 2025, or be restricted from account actions." with an "Enable 2FA" button.

**Open a pull request**

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. [Learn more about diff comparisons here.](#)

base: feature/init-bug ▾ compare: fix/app-init ▾ **Able to merge.** These branches can be automatically merged.

**Add a title**

fix: Arreglando error en \_\_init\_\_.py. Closes #1

**Add a description**

Write Preview

El error era debido a una función comentada, la cual ha sido descomentada.  
Closes #1

Markdown is supported Paste, drop, or click to add files

**Create pull request**

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

1 commit 1 file changed 1 contributor

# Ejercicio Git

## Apartado 7

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure for "DANALOROM1" containing "EGC-2425", "app", "core", "docker", "migrations", "static", "templates", and ".env".
- Terminal:** The terminal tab is active, showing a git session:
  - Switching to branch "feature/conflicto": `(venv) practica@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$ git checkout -b feature/conflicto`
  - Showing status: `(venv) practica@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$ git status`
  - Committing changes: `(venv) practica@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$ git commit -m "feat: búsqueda de conflicto"`
  - Pushing to origin: `(venv) practica@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$ git push`
  - Creating a pull request: `To https://github.com/DanielAlors/EGC-2425.git * [new branch] feature/conflicto -> feature/conflicto`
- Bottom Status Bar:** Shows "Ln 31, Col 60 Spaces: 4 UTF-8 LF Python" and a message asking if the user wants to install the recommended "Python" extension from Microsoft.

# Ejercicio Git

## Apartado 7

The screenshot shows a Visual Studio Code interface with the following details:

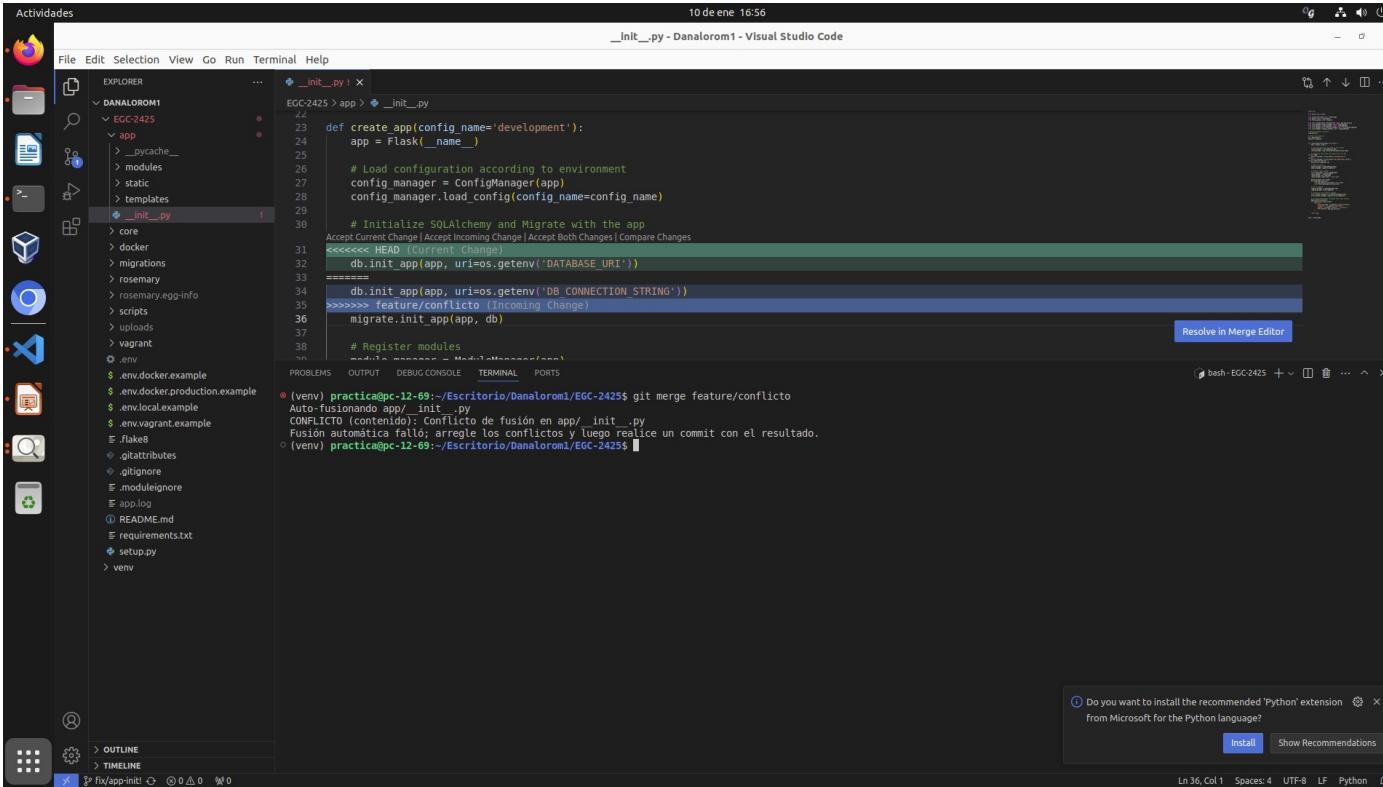
- File Explorer:** Shows a project structure named "DANALORM1" containing "EGC-2425", "app", "core", "docker", "migrations", "modules", "static", "templates", and ".env".
- Code Editor:** Displays the file `__init__.py` with the following code:EGC-2425 > app > \_\_init\_\_.py
17
18 # Create the instances
19 db = SQLAlchemy()
20 migrate = Migrate()
21
22
23 def create\_app(config\_name='development'):
24 app = Flask(\_\_name\_\_)
25
26 # Load configuration according to environment
27 config\_manager = ConfigManager(app)
28 config\_manager.load\_config(config\_name=config\_name)
29
30 # Initialize SQLAlchemy and Migrate with the app
31 db.init\_app(app, uri=os.getenv('DATABASE\_URI'))
32 migrate.init\_app(app, db)
33
34 # Register modules
- Terminal:** Shows a bash session output:(venv) practica@pc-12-69:~/Escritorio/Danalorm1/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 "git add <archivo>" para actualizar lo que será confirmado)
 (usa "git restore <archivo>" para descartar los cambios en el directorio de trabajo)
 modificado: app/\_\_init\_\_.py

sin cambios agregados al commit (usa "git add" y/o "git commit -a")
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git add app/\_\_init\_\_.py
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git commit -m "feat: conflicto encontrado [fix/app-init 3a2d8ff] feat: conflicto encontrado"
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git push
Enumerando objetos: 7, listo.
Contando objetos: 100% (7/7), listo.
Comprimiendo delta usando hasta 16 hilos.
Comprimiendo objetos: 100% (4/4), listo.
Escribiendo objetos: 100% (4/4), 492 bytes | 492.00 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:DanielAlors/EGC-2425.git
 24bb82d..3a2d8ff fix/app-init -> fix/app-init
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$
- Bottom Status Bar:** Shows "Ln 31, Col 52" and "Python".
- Extension Recommendation:** A modal dialog from Microsoft for the Python language asks if the user wants to install the recommended extension, with "Install" and "Show Recommendations" buttons.

# Ejercicio Git

## Apartado 7



The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure named "DANALORM1" containing "app", "core", "docker", "modules", "static", and "templates".
- Editor:** The file "app/\_\_init\_\_.py" is open, showing Python code for creating a Flask application and initializing a database. A merge conflict is visible between line 31 ("db.init\_app(app, url=os.getenv('DATABASE\_URI'))") and line 34 ("db.init\_app(app, uri=os.getenv('DB CONNECTION STRING'))").
- Terminal:** The terminal shows a command-line session in a virtual environment (venv) running a git merge command, resulting in a conflict message.
- Status Bar:** Shows the file path "fx/app-init", line count "Ln 36, Col 1", and encoding "UTF-8".
- Extension Pop-up:** A modal window asks if the user wants to install the "Python" extension from Microsoft.

# Ejercicio Git

## Apartado 7

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure named "DANALORM1" containing "EGC-2425" which has an "app" folder. Inside "app" are "core", "docker", "migrations", "rosemary", "rosemary.egg-info", "scripts", "uploads", "vagrant", ".env", and several ".env" files for Docker, Docker Production, Local, and Vagrant.
- Code Editor:** The file "app/\_init\_.py" is open, showing Python code for initializing a Flask application and setting up SQLAlchemy and Migrations.
- Terminal:** A terminal window shows the command "git merge feature/conflicto" being run. It displays a merge conflict in the file "app/\_init\_.py". The conflict message reads: "CONFLICTO (contenido): Conflicto de fusión en app/\_init\_.py" and "Fusión automática falló; arregle los conflictos y luego realice un commit con el resultado."
- Status Bar:** Shows the date and time as "10 de ene 16:58" and the file name as "init\_.py - Danalorm1 - Visual Studio Code".
- Bottom Status Bar:** Shows the file path as "fix/app-init", line count as "Ln 31, Col 52", space count as "Spaces: 4", and encoding as "UTF-8 LF Python".
- Extension Bar:** A notification from Microsoft asks if the user wants to install the recommended "Python" extension, with "Install" and "Show Recommendations" buttons.

# Ejercicio Git

## Apartado 7

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure named "DANALORM1" containing "EGC-2425", "app", "core", "docker", "migrations", "static", "templates", and "venv".
- Code Editor:** Displays the file `app/_init_.py` with the following code:23 def create\_app(config\_name='development'):
24 app = Flask(\_\_name\_\_)
25
26 # Load configuration according to environment
27 config\_manager = ConfigManager(app)
28 config\_manager.load\_config(config\_name=config\_name)
29
30 # Initialize SQLAlchemy and Migrate with the app
31 db.init\_app(app, url=os.getenv('DATABASE\_URL'))
32 db.init\_app(app, url=os.getenv('DB\_CONNECTION\_STRING'))
33 migrate.init\_app(app, db)
34
35 # Register modules
36 module\_manager = ModuleManager(app)
37 module\_manager.register\_modules()
- Terminal:** Shows a bash session with the following output:(venv) practica@pc-12-69:~/Escritorio/Danalorm1/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-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git status
En la rama fix/app-init
Tu rama está actualizada con 'origin/fix/app-init'.
Tienes rutas no fusionadas.
(arregla los conflictos y ejecuta "git commit"
(usa "git merge --abort" para abortar la fusión)

Rutas no fusionadas:
(usa "git add <archivo>..." para marcar una resolución)
modificados por ambos: app/\_init\_.py

sin cambios agregados al commit (usa "git add" y/o "git commit -a")
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git add app/\_init\_.py
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git commit -m "feat: conflicto solucionado"
[fix/app-init f28edaa] feat: conflicto solucionado
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git push
Enumerando objetos: 10, listo.
Contando objetos: 100% (10/10), listo.
Comprimiendo delta usando hasta 16 hilos.
Comprimiendo objetos: 100% (4/4), listo.
Escribiendo objetos: 100% (4/4), 567 bytes | 507.00 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:DanielAlors/EGC-2425.git
 3a2d6ff..f28edaa fix/app-init -> fix/app-init
(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$
- Bottom Status Bar:** Shows "Ln 31, Col 52" and "Python".

# Ejercicio Git

## Apartado 8

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure named "DANALORM1" containing "app", "core", "migrations", "rosemary", "scripts", "uploads", and "vagrant".
- Code Editor:** Displays the file `__init__.py` with code related to Flask and SQLAlchemy setup.
- Terminal:** Shows a command-line session with several commits from a GitHub repository. The commits are:

  - f28ed42 (origin/fix/app-init, fix/app-init) feat: conflicto solucionado
  - 3a2d8ff feat: conflicto encontrado
  - d3a3715 (origin/feature/conflicto, feature/conflicto) feat: busqueda de conflicto
  - 24bb82d fix: Arreglando error en `init .py`. Closes #1
  - 44fe92f (origin/config/ci) Add base workflow for exam CI set-up
  - 1ffb0834 (origin/fix/bug-atomic) Eliminar los archivos .txt creados durante el ejercicio
  - f46b275 Fix más cosas. (reword para aclarar: Mejora de la legibilidad en el código y corrección de estilo)
  - 1d54466 Fix bug algo raro (se combinará (squash) con el commit anterior durante el rebase)
  - f4d1f8f bugfix (cambiar mensaje a: 'Solución a un bug en la validación de entradas')
  - 331027f Commit adicional (se combinará (squash) con el commit anterior y siguiente para simplificar el historial)
  - 13cd556 2º commit relacionado (se combinará (squash) con los commits anterior y siguiente durante el rebase)
  - c9ff30e cambio 1 (se combinará (squash) con el commit de 'Solución a un bug en la validación de entradas'). Cambie el orden de los commits, si lo considera necesario
  - 678e7dc (HEAD -> hotfix/bug-critical, origin/hotfix/bug-critical) Fix the bug in the view dataset card by uncommenting the card section, restoring the dataset view functionality
  - 02d2aef (origin/feature/init-bug, feature/init-bug) Introduce bug in app/init for debugging exercise
  - d46ce49 (origin/test/exam, origin/chore/vagrant, origin/chore/docker) Initial version ready for local deployment
  - 7260a34 (origin/main, origin/HEAD, main) Introduce a bug in the view dataset card for the exam by commenting out the card section to simulate an error
  - 546ee44 Initialise base project

- Bottom Status Bar:** Shows "Ln 32, Col 1" and "Python".

678e7dc

# Ejercicio Git

## Apartado 9

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure named "DANALORM1" containing "EGC-2425", "app", "core", "docker", "migrations", "rosemary", "scripts", "uploads", "vagrant", ".env", ".env.docker.example", ".env.docker.production.example", ".env.local.example", ".env.vagrant.example", ".flake8", ".gitattributes", ".gitignore", ".modulenignore", "app.log", "README.md", "requirements.txt", "setup.py", and "venv".
- Code Editor:** The file " \_\_init\_\_.py " is open, showing Python code for creating an Flask application and initializing SQLAlchemy.
- Terminal:** The terminal shows a series of git commands being run:
  - git checkout main
  - git cherry-pick 678e7dc [main 467be64] Fix the bug in the view dataset card by uncommenting the card section, restoring the dataset view functionality
  - git status
  - git pushThe terminal output indicates the commit was pushed to the "main" branch on the GitHub repository "DanielAlors/EGC-2425".
- Status Bar:** Shows the path "EGC-2425 > app > \_\_init\_\_.py", the date and time "10 de ene 17:07", and a message asking if the user wants to install the recommended "Python" extension from Microsoft.

# Ejercicio Git

*Apartado 10*

# Ejercicio Git

*Apartado 11*

# Ejercicio Git

*Apartado 12*

# Ejercicio Git

*Apartado 13*

# Ejercicio Git

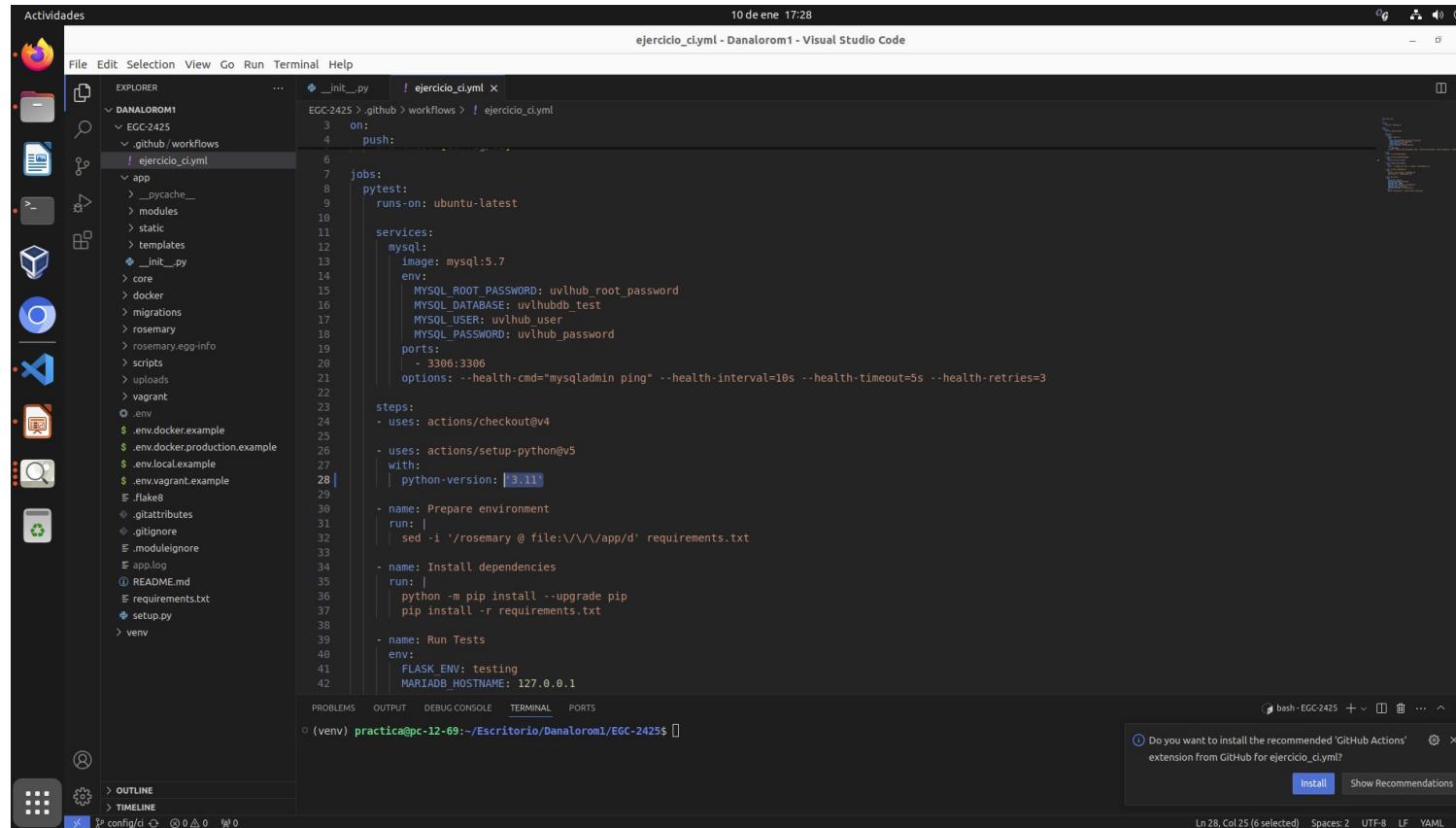
*Apartado 14*

# Ejercicio Git

*Apartado 15*

# Ejercicio GitHub Actions

## Apartado 1

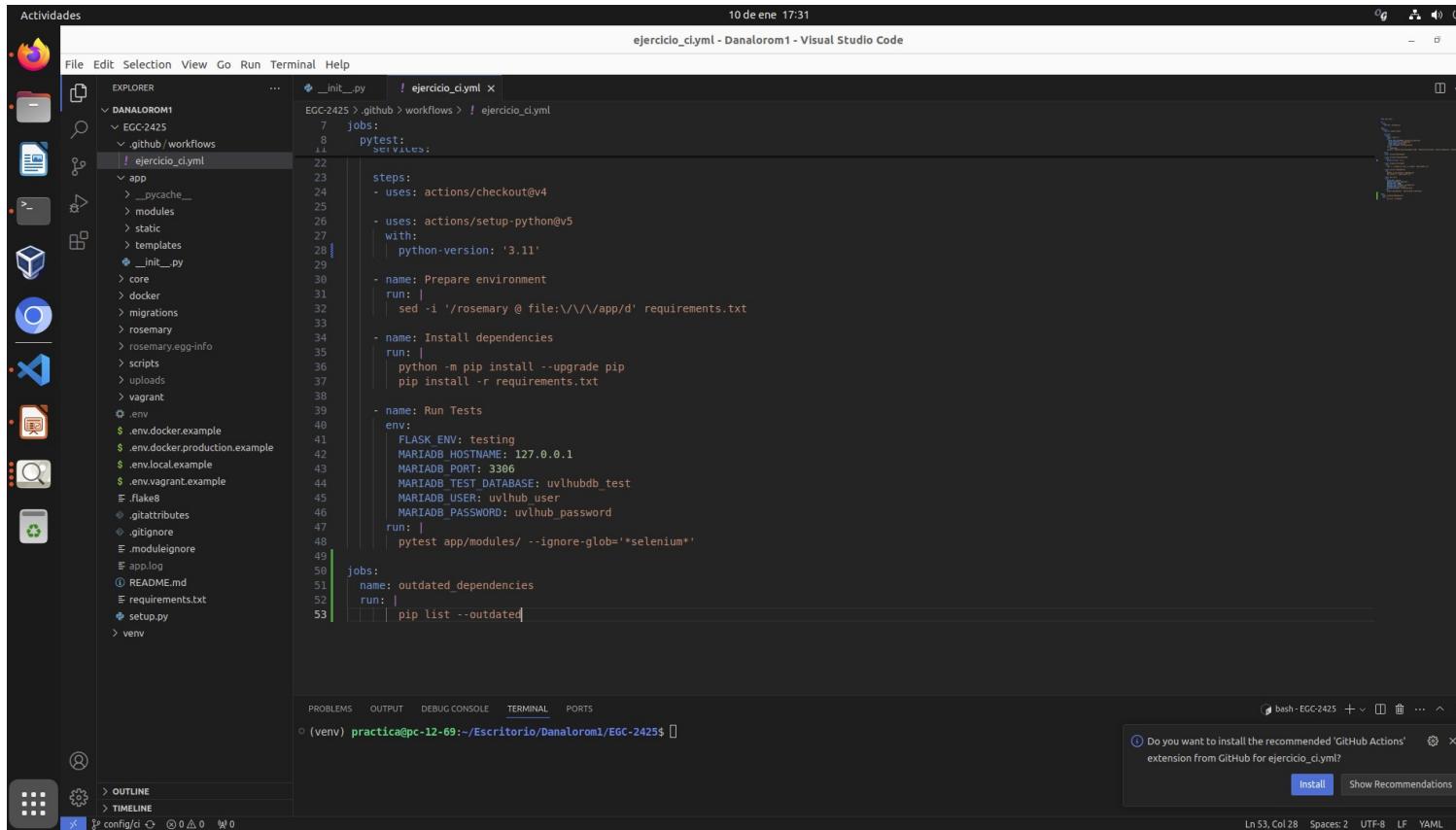


The screenshot shows a Visual Studio Code interface with the following details:

- Title Bar:** Actividades, 10 de ene 17:28, ejercicio\_ci.yml - Danalorom1 - Visual Studio Code.
- File Explorer:** Shows the project structure under "DANALOROM1": EGC-2425, .github, workflows, ejercicio\_ci.yml, app, core, docker, migrations, rosemary, .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, venv.
- Code Editor:** The "ejercicio\_ci.yml" file is open, displaying a GitHub Actions workflow configuration. The code includes jobs for pytest, services for MySQL, and steps for environment preparation, dependency installation, and test execution.
- Terminal:** The terminal shows the command: (venv) practice@pc-12-69:~/Escritorio/Danalorom1/EGC-2425\$.
- Status Bar:** Shows file statistics: Ln 28, Col 25 (selected), Spaces: 2, UTF-8, LF, YAML.
- Bottom Right:** A notification from GitHub Actions asking if the user wants to install the extension.

# Ejercicio GitHub Actions

## Apartado 2



The screenshot shows a Visual Studio Code interface with the following details:

- Title Bar:** ejercicio\_ci.yml - Danalorom1 - Visual Studio Code
- Activity Bar:** Activities (selected), File, Edit, Selection, View, Go, Run, Terminal, Help.
- Left Sidebar:** Explorer showing the project structure:
  - DANALOROM1
  - EGC-2425
  - .github
  - workflows (selected)
  - ejercicio\_ci.yml
  - app
  - core
  - docker
  - migrations
  - rosemary
  - rosemary.egg-info
  - scripts
  - uploads
  - vagrant
  - .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
  - venv
- Editor:** The file "ejercicio\_ci.yml" is open, showing a GitHub Actions workflow configuration. The code includes steps for checkout, setup Python, prepare environment, install dependencies, run tests, and check for outdated dependencies.
- Terminal:** Shows a bash session with the command "pip list --outdated".
- Status Bar:** Ln 53, Col 28, Spaces: 2, UTF-8, LF, YAML.
- Bottom Right:** A modal dialog from GitHub Actions asking if the user wants to install the extension, with "Install" and "Show Recommendations" buttons.

# Ejercicio GitHub Actions

## *Apartado 3*

Al realizar un push debería aparecer una ruletita al lado del commit, esta indicará con un tick si ha pasado de forma correcta, en su contrario, si falla aparecerá una X.

# Ejercicio GitHub Actions

## Apartado 4

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under `DANALORM1`, including files like `__init__.py`, `development_entrypoint.sh`, `Dockerfile.mariadb`, `Vagrantfile`, `05_run_app.yml`, `04_install_dependencies.yml`, and `ejercicio_ci.yml`.
- Code Editor:** Displays the `ejercicio_ci.yml` file content:

```
on:
  push:
    branches:
      - main
    jobs:
      pytest:
        runs-on: ubuntu-latest
        services:
          mysql:
            image:
              matrix:
                mysql:[5.7, 8.0]
            env:
              MYSQL_ROOT_PASSWORD: uvhub_root_password
              MYSQL_DATABASE: uvhubdb_test
              MYSQL_USER: uvhub_user
              MYSQL_PASSWORD: uvhub_password
            ports:
              - 3306:3306
            options: --health-cmd="mysqladmin ping" --health-interval=10s --health-timeout=5s --health-retries=3
        steps:
          - uses: actions/checkout@v4
          - uses: actions/setup-python@v5
            with:
              python-version: '3.11'
          - name: Prepare environment
            run: |
              sed -i '/rosemary @ file:/\\//d' requirements.txt
          - name: Install dependencies
            run: |
              python -m pip install --upgrade pip
              pip install -r requirements.txt
          - name: Run Tests
            env:
```

- Terminal:** Shows a terminal session with the command `git checkout config/ci` and a message indicating the branch has been switched.
- Status Bar:** Shows the current file is `ejercicio_ci.yml`, with 16 lines of code, 31 spaces, and 2 tabs.
- Bottom Right:** A notification from Microsoft for the Docker extension, asking if the user wants to install it.

# Ejercicio GitHub Actions

## *Apartado 4*

Para permitir el uso de varias versiones, se aplica una matrix para poder añadir mediante [] las versiones correspondientes.

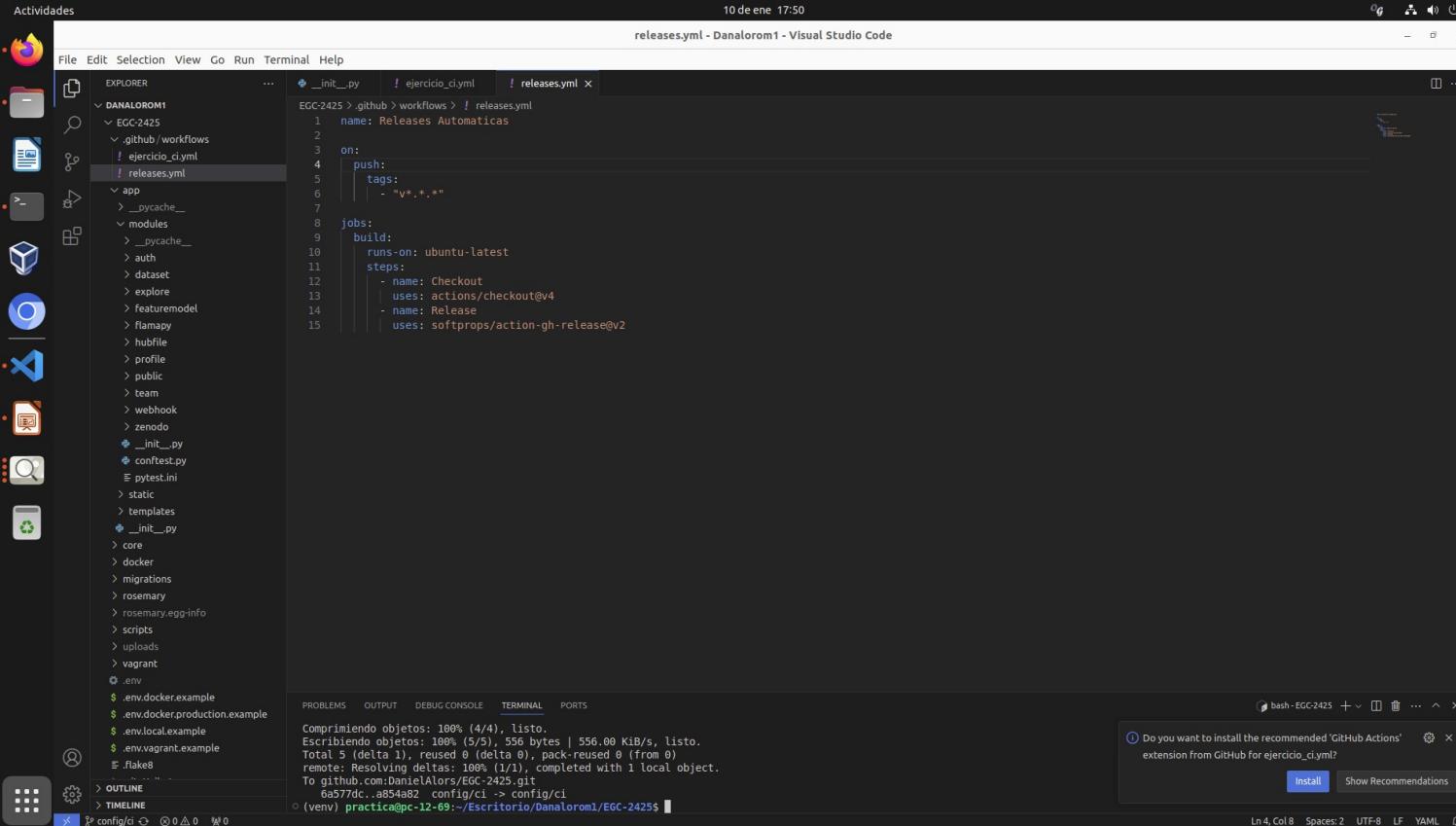
# Ejercicio GitHub Actions

## *Apartado 5*

Al realizar un push debería aparecer una ruletita al lado del commit, esta indicará con un tick si ha pasado de forma correcta, en su contrario, si falla aparecerá una X.

# Ejercicio GitHub Actions

## Apartado 6



The screenshot shows a Visual Studio Code interface with the following details:

- Title Bar:** Actividades, 10 de ene 17:50, releases.yml - Danalorom1 - Visual Studio Code.
- File Explorer:** Shows the project structure under 'DANALOROM1' and 'EGC-2425'. The 'releases.yml' file is selected in the Explorer.
- Code Editor:** Displays the 'releases.yml' file content:

```
name: Releases Automaticas
on:
  push:
    tags:
      - "v*.*.*"
jobs:
  build:
    runs-on: ubuntu-latest
    steps:
      - name: Checkout
        uses: actions/checkout@v4
      - name: Release
        uses: softprops/action-gh-release@v2
```
- Terminal:** Shows command-line output related to file compression and GitHub actions installation.
- Status Bar:** bash - EGC-2425, Ln 4, Col 8, Spaces: 2, UTF-8, LF, YAML.

# Ejercicio GitHub Actions

## *Apartado 7*

Al realizar un push debería aparecer una ruletita al lado del commit, esta indicará con un tick si ha pasado de forma correcta, en su contrario, si falla aparecerá una X.

# Ejercicio Docker

## *Apartado 1*

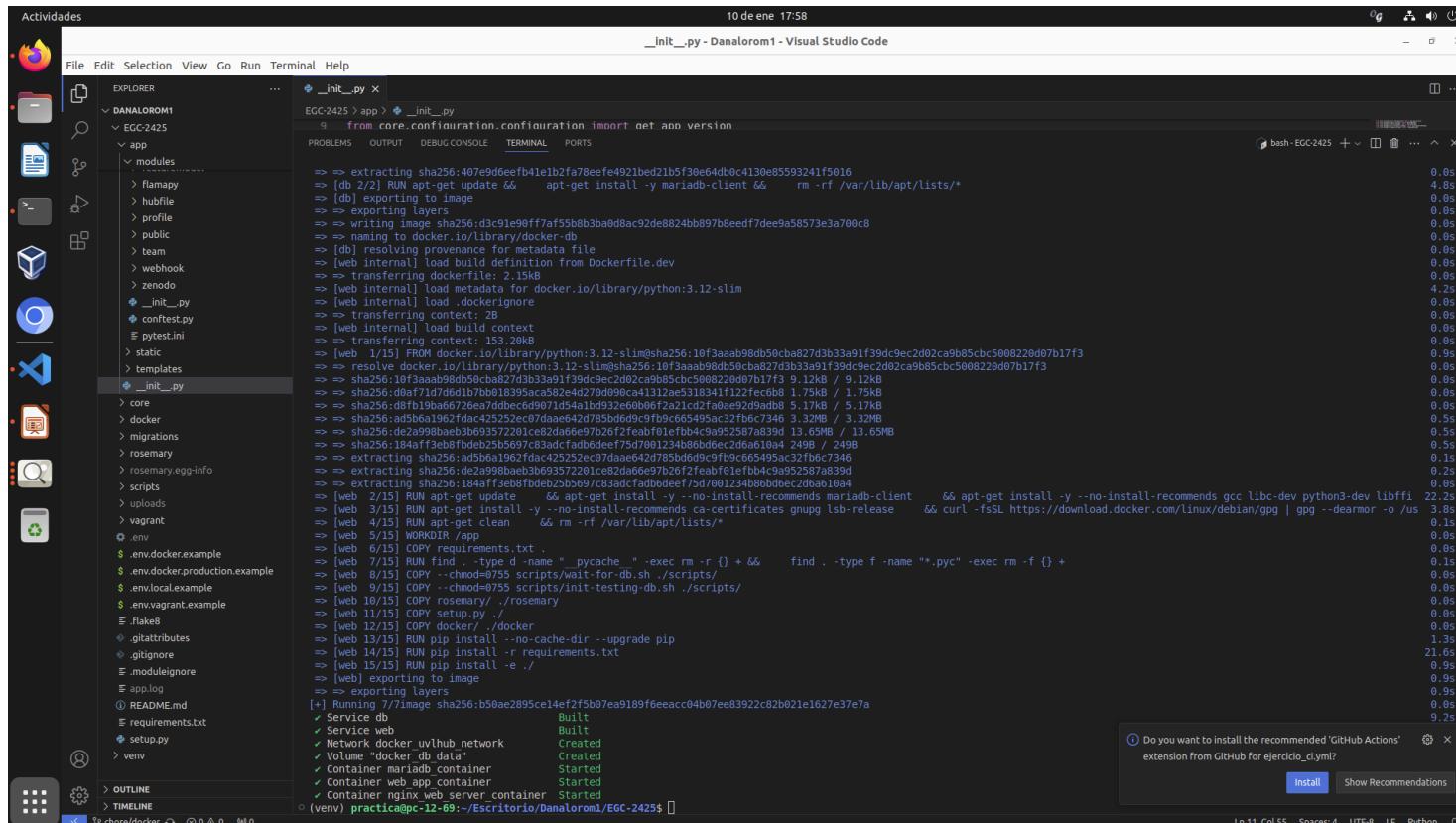
The screenshot shows a Visual Studio Code interface with multiple tabs open. The main tab displays a terminal window titled '\_init\_.py - Danalorom1 - Visual Studio Code' showing the output of a Docker build command. The command is:

```
git checkout chore/docker
Cambiado a una nueva rama 'chore/docker'
sudo systemctl stop mariadb
cp .env.docker.example .env
docker compose -f docker/docker-compose.dev.yml up -d
```

The terminal output shows the progress of the build, including pulling images and creating containers. A sidebar on the left shows the project structure under 'DANALOROM1' and 'EGC-2425'. The file '\_init\_.py' is currently selected in the Explorer view.

# Ejercicio Docker

## Apartado 1



The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure for "DANALOROM1" containing "EGC-2425", "app", "modules", "core", "docker", "migrations", "rosemary", "tests", "static", "templates", and "scripts".
- Editor:** The file `__init__.py` is open, showing Python code for a Docker container setup.
- Terminal:** The terminal shows the build process of the Dockerfile, which includes:
  - Extracting sha256:407e9d6cef...
  - RUN apt-get update & apt-get install -y mariadb-client & rm -rf /var/lib/apt/lists/\*
  - [db] exporting to image
  - Exporting layers
  - Writing image sha256:d3c91e90ff7af55b8b3ba0d8ac92de8824bb897b8eedf7dee9a58573e3a700c8
  - Naming to docker.io/library/docker-db
  - [db] saving provenance for /var/lib/docker/tmp/docker-builder215Kb
  - Transferring dockerfile, 2.15KB
  - [web internal] load metadata for docker.io/library/python:3.12-slim
  - [web internal] load .dockerignore
  - [web internal] load build context
  - [web internal] load build context
  - Transferring context: 153.20kB
  - FROM docker.io/library/python:3.12-slim@sha256:10f3aaa9bd8b50cba827d3b3a91f39dc9ec2d02ca9b85cbc5008220d07b17f3
  - sha256:10f3aaa9bd8b50cba827d3a3a91f39dc9ec2d02ca9b85cbc5008220d07b17f3 9.12KB / 9.12KB
  - sha256:10f3aaa9bd8b50cba827d3a3a91f39dc9ec2d02ca9b85cbc5008220d07b17f3 1.75KB / 1.75KB
  - sha256:d8fb19ba66726ea7ddbec6d9071d54a1bd32ee0b06f2a1cd7fa0e92d9ad8b 5.17KB / 5.17KB
  - adsb6a1962fdac425252ec07daea642d785b069c9f9c665495a327b6c7346 3.32MB / 3.32MB
  - sha256:de2a998baeb36e93572201ce82d466e97b26f27febf01efb049e952587a89d 13.65MB / 13.65MB
  - sha256:184aff3e0bf8de6b25b5697c83adcfa8dbd6de775d708123408686dec2d06a1094 249B / 249B
  - Extracting sha256:ad5b6a1962fdac425252ec07daea642d785b069c9e65495a3c32f6c7346 0.15KB / 0.15KB
  - Extracting sha256:0e2a998baeb36e93572201ce82d466e97b26f27febf01efb049e952587a89d 0.05KB / 0.05KB
  - Extracting sha256:184aff3e0bf8de6b25b5697c83adcfa8dbd6de75d700123408686dec2d06a1094 22.35KB / 22.35KB
  - RUN apt-get update & apt-get install -y --no-install-recommends mariadb-client & apt-get install -y --no-install-recommends gcc libc-dev python3-dev libffi 23.85KB / 23.85KB
  - RUN apt-get install -y --no-install-recommends ca-certificates gnupg lsb-release & curl -fsSL https://download.docker.com/linux/debian/gpg | gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg 0.15KB / 0.15KB
  - RUN apt-get clean & rm -rf /var/lib/apt/lists/\* 0.05KB / 0.05KB
  - WORKDIR /app 0.05KB / 0.05KB
  - COPY requirements.txt . 0.05KB / 0.05KB
  - RUN find . -type d -name "pycache" -exec rm -r {} + && find . -type f -name "\*.pyc" -exec rm -f {} + 0.15KB / 0.15KB
  - COPY --chmod=0755 scripts/wait-for-dbs.sh ./scripts/ 0.05KB / 0.05KB
  - COPY rosemary/ ./rosemary 0.05KB / 0.05KB
  - COPY setup.py ./ 0.05KB / 0.05KB
  - COPY docker/ ./docker 0.05KB / 0.05KB
  - RUN pip install --no-cache-dir --upgrade pip 1.35KB / 1.35KB
  - RUN pip install -r requirements.txt 21.65KB / 21.65KB
  - RUN pip install -e ./ 0.95KB / 0.95KB
  - Exporting layers 0.95KB / 0.95KB
- Status Bar:** Shows the status bar with "ln 11, Col 55" and "Python".

# Ejercicio Docker

## Apartado 1

The screenshot shows a Firefox browser window with the following details:

- Address Bar:** localhost
- Toolbar:** Parece que no ha iniciado Firefox desde hace tiempo. ¿Quiere limpiarlo para comenzar una experiencia renovada? ¡A propósito, bienvenido de nuevo! [Reiniciar Firefox...](#)
- Header:** Actividades, Archivo, Editar, Ver, Historial, Marcadores, Herramientas, Ayuda, 10 de ene 17:58
- Left Sidebar (UVLHub.io):**
  - Datasets
  - Home
  - Explore
  - Team
  - Let's get started!
  - Login
  - Sign Up
- Main Content Area:**
  - Latest datasets:**
    - Sample dataset 4**  
January 10, 2025 at 04:56 PM  
Description for dataset 4  
Author 4 (Affiliation 4) (0000-0000-0000-0003)  
<http://localhost/doi/10.1234/dataset4>  
[tag1](#) [tag2](#)  
[View dataset](#) [Download \(1.21 KB\)](#)
    - Sample dataset 3**  
January 10, 2025 at 04:56 PM  
Description for dataset 3  
Author 3 (Affiliation 3) (0000-0000-0000-0002)  
<http://localhost/doi/10.1234/dataset3>  
[tag1](#) [tag2](#)  
[View dataset](#) [Download \(1.21 KB\)](#)
    - Sample dataset 2**  
January 10, 2025 at 04:56 PM  
Description for dataset 2
  - Hub statistics:**
    - 4 datasets
    - 12 feature models
    - 0 datasets viewed
    - 0 feature models viewed
    - 0 datasets downloaded
    - 0 feature models downloaded
  - Related publication:**

David Romero-Organízvez, José A. Galindo, Chico Sundermann, José-Miguel Horcas, David Benavides. *UVLHub: A feature model data repository using UVL and open science principles*, Journal of Systems and Software, 2024, 112150, ISSN 0164-1212, <https://doi.org/10.1016/j.jss.2024.112150>

[Copy in BibTeX](#) [Copy in RIS](#)
  - Bottom Right:** Let's get started! What are you waiting for to upload your fantastic feature models in UVL format?

# Ejercicio Docker

## Apartado 2

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure for "DANALORM1" containing "EGC-2425", "app", "modules", "core", "docker", and "entrypoints".
- Terminal:** The current file is "development\_entrypoint.sh". The terminal output shows a script for managing database migrations and starting a Flask application.
- Bottom Status Bar:** Shows the command "practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$".
- Bottom Right:** A GitHub Actions extension prompt asking if the user wants to install it.

```
development_entrypoint.sh - Danalorm1 - Visual Studio Code
10 de ene 18:01

ECC-2425 > docker > entrypoints > $ development_entrypoint.sh
35 if [ $!mariadb -u $MARIADB_USER -p$MARIADB_PASSWORD -h $MARIADB_HOSTNAME -P $MARIADB_PORT -D $MARIADB_DATABASE -sse "SELECT COUNT(*) FROM information_schema.tables WHERE table_name = 'migrations' AND table_schema = 'rosemary'"; then
39 # Get the latest migration revision
40 LATEST_REVISION=$(ls -1 migrations/versions/*.py | grep -v "__pycache__" | sort -r | head -n 1 | sed 's/.*/\.\.\.\.\.\.py/\1/')
41
42 echo "Latest revision: $LATEST_REVISION"
43
44 # Run the migration process to apply all database schema changes
45 flask db upgrade
46
47 # Seed the database with initial data
48 rosemary db:seed -y
49
50 else
51
52 echo "Database already initialized, updating migrations..."
53
54 # Get the current revision to avoid duplicate stamp
55 CURRENT_REVISION=$!mariadb -u $MARIADB_USER -p$MARIADB_PASSWORD -h $MARIADB_HOSTNAME -P $MARIADB_PORT -D $MARIADB_DATABASE -sse "SELECT version_num FROM all_migrations ORDER BY id DESC LIMIT 1"
56
57 if [ -z "$CURRENT_REVISION" ]; then
58 # If no current revision, stamp with the latest revision
59 flask db stamp head
60 fi
61
62 # Run the migration process to apply all database schema changes
63 flask db upgrade
64 fi
65
66 # Start the Flask application with specified host and port, enabling reload and debug mode
67 exec flask run --host=0.0.0.0 --port=5000 --reload --debug=False
```

# Ejercicio Docker

## *Apartado 2*

Al añadirle =False estamos desactivando dicha opción

# Ejercicio Docker

## Apartado 3

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure for "DANALORM1" which includes "app", "modules", "core", and "docker". Inside "app", there are files like "flamapy", "hubfile", "profile", "public", "team", "webhook", "zenodo", "confitest.py", "pytest.ini", "static", "templates", and "migrations".
- Code Editor:** Displays the content of "development\_entrypoint.sh". The script performs several tasks:
  - Checks if a migration revision exists and prints it.
  - Runs a database migration command: "flask db upgrade".
  - Seeds the database with initial data using "rosemary db:seed -y".
  - If the database is already initialized, it updates migrations.
  - Gets the current revision to avoid duplicate stamp.
  - If no current revision is found, it stamps with the latest revision.
- Terminal:** Shows a bash session on "EGC-2425" with the following output:
  - Commit message: "sin cambios agregados al commit (usa "git add" y/o "git commit -a")"
  - Git status: "(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git add ."
  - Git status: "(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git status"
  - Message: "En la rama chore/docker"
  - Message: "Tu rama está actualizada con 'origin/chore/docker'."
  - Message: "Cambios a ser confirmados:
    - (usa "git restore --staged <archivo>..." para sacar del área de stage)
    - modificados: docker/entrypoints/development\_entrypoint.sh
- Commit message: "(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git commit -m "Desactivar el modo debug de flask"
- Commit message: "[chore/docker a378998] Desactivar el modo debug de flask
- Commit message: "1 file changed, 1 insertion(+), 1 deletion(-)"
- Push message: "(venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ git push"
- Push message: "Enumerando objetos: 9, lista."
- Push message: "Contando objetos: 100% (9/9), lista."
- Push message: "Comprimiendo objetos: 100% (5/5), lista."
- Push message: "Comprimiendo objetos: 100% (5/5), lista."
- Push message: "Escribiendo objetos: 100% (5/5), 446 bytes | 446.00 KiB/s, lista."
- Push message: "Total 5 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
- Push message: "remote: Resolving deltas: 100% (4/4), completed with 4 local objects."
- Push message: "To github.com:DanielAlors/EGC-2425.git
- Push message: " d466ce49..a378998 chore/docker -> chore/docker"

- Bottom Status Bar:** Shows "Ln 67, Col 65" and "Shell Script".

# Ejercicio Docker

## Apartado 4

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure for "DANALORM1" containing "EGC-2425", "app", "modules", "core", "docker", and "entrypoints". Inside "entrypoints", there are files like "development\_entrypoint.sh", "production\_entrypoint.sh", and "render\_entrypoint.sh".
- Code Editor:** Displays the "Dockerfile.mariadb" file with the following content:

```
FROM mariadb:11.2
RUN apt-get update && \
    apt-get install -y mariadb-client && \
    rm -rf /var/lib/apt/lists/*
```
- Terminal:** Shows the output of several commands:

```
sin cambios agregados al commit (usa "git add" y/o "git commit -a")
● (venv) práctica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425$ git add .
● (venv) práctica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425$ git status
En la rama chore/docker
  Tu rama está actualizada con 'origin/chore/docker'.

Cambios a ser confirmados:
  (usa "git restore --staged <archivo>..." para sacar del área de stage)
    modificados:  docker/entrypoints/development_entrypoint.sh

● (venv) práctica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425$ git commit -m "Desactivar el modo debug de flask"
[chore/docker a378998] Desactivar el modo debug de flask
 1 file changed, 1 insertion(+), 1 deletion(-)
● (venv) práctica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425$ git push
Enumerando objetos: 100% (9/9), listo.
Comprimiendo objetos: 100% (5/5), listo.
Escribiendo objetos: 100% (5/5), 446 bytes | 446.00 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:DanielAlors/EGC-2425.git
  d46ce49..a378998 chore/docker -> chore/docker
● (venv) práctica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425$
```
- Bottom Status Bar:** Shows "Ln 1, Col 1 (17 selected) Spaces: 4 UTF-8 LF Docker".
- Extension Recommendation:** A tooltip asks if the user wants to install the "Docker" extension from Microsoft.

# Ejercicio Docker

## *Apartado 4*

Cambiamos el lastest por la versión que queremos y con ello mariadb deberá tener la imagen de dicha versión.

# Ejercicio Docker

*Apartado 5*

# Ejercicio Docker

## *Apartado 6*

Debido a demasiadas peticiones a docker, no me deja mostrar la pagina.

# Ejercicio Docker

## Apartado 6

The screenshot shows a Visual Studio Code interface with the following details:

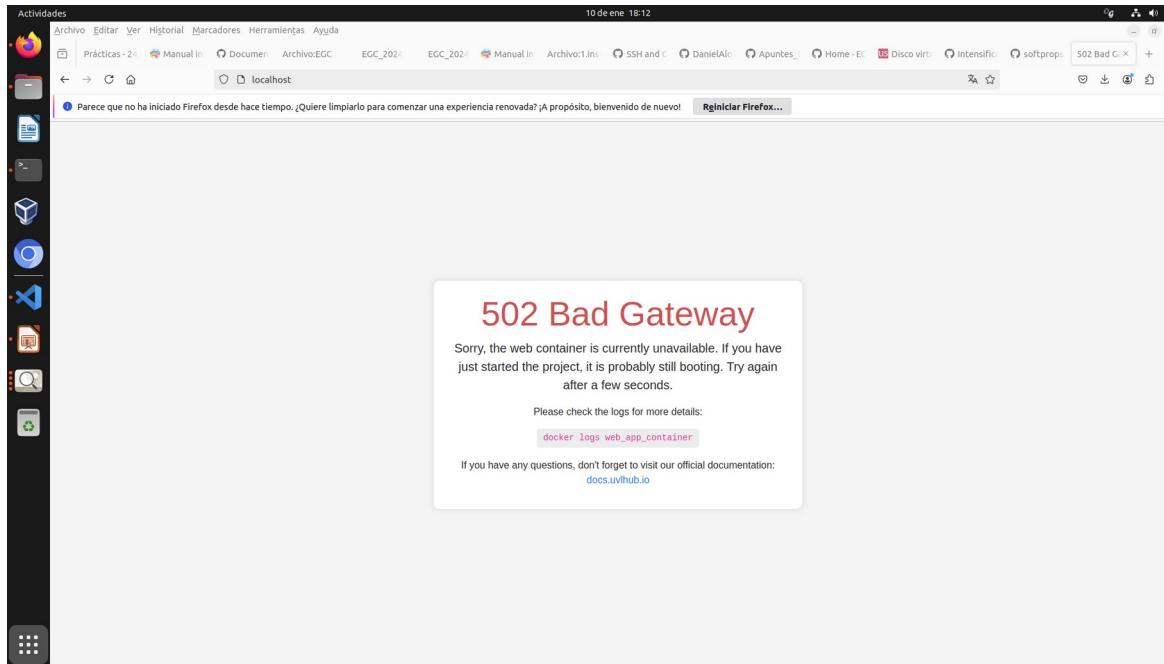
- File Explorer:** Shows a project structure for "DANALORM1" containing "EGC-2425" and "app" folders. Inside "app", there are "modules", "core", "docker", and "entrypoints" subfolders. "core" contains "development\_entrypoint.sh", "production\_entrypoint.sh", and "render\_entrypoint.sh". "docker" contains "Dockerfile.mariadb". "entrypoints" contains ".dockerignore", "Dockerfile.dev", "Dockerfile.locust", "Dockerfile.mariadb", "Dockerfile.prod", "Dockerfile.render", and "Dockerfile.webhook". "modules" contains "flamapy", "hubfile", "profile", "public", "team", "webhook", and "zenodo". "static" contains "pytest.ini". "templates" contains "core", "docker", and "entrypoints" subfolders.
- Terminal:** The title bar says "Dockerfile.mariadb - DANALORM1 - Visual Studio Code" and the date "10 de ene 18:11". The terminal content shows the following steps:
  - FROM mariadb:11.2
  - RUN apt-get update && \apt-get install -y mariadb-client && \rm -rf /var/lib/apt/lists/\*

Below the Dockerfile, the terminal shows the output of running `docker compose` commands:

  - Enumerando objetos: 9, listo.
  - Contando objetos: 100% (9/9), listo.
  - Compresión delta usando hasta 16 hilos.
  - Comprimiendo objetos: 100% (5/5), listo.
  - Escriviendo objetos: 100% (5/5), 506 bytes | 506.00 Kib/s, listo.
  - Total 5 (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:danielalors/EGC-2425.git  
 a37099c...5b06a8 chore/docker > chore/docker
  - (venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ docker compose -f docker/docker-compose.dev.yml down -v
  - [+] Running 5/5
    - ✓ Container nginx web server container Removed
    - ✓ Container web app container Removed
    - ✓ Container mariadb container Removed
    - ✓ Volume docker db data Removed
    - ✓ Network docker uvhub network Removed
  - (venv) practica@pc-12-69:~/Escritorio/Danalorm1/EGC-2425\$ docker compose -f docker/docker-compose.dev.yml up -d
  - [+] Running 5/5
    - ✓ Container docker uvhub network Created
    - ✓ Volume "docker db data" Created
    - ✓ Container mariadb container Started
    - ✓ Container web app container Started
    - ✓ Container nginx web server container Started
- Bottom Status Bar:** Shows "Ln 6, Col 1" and "Docker".

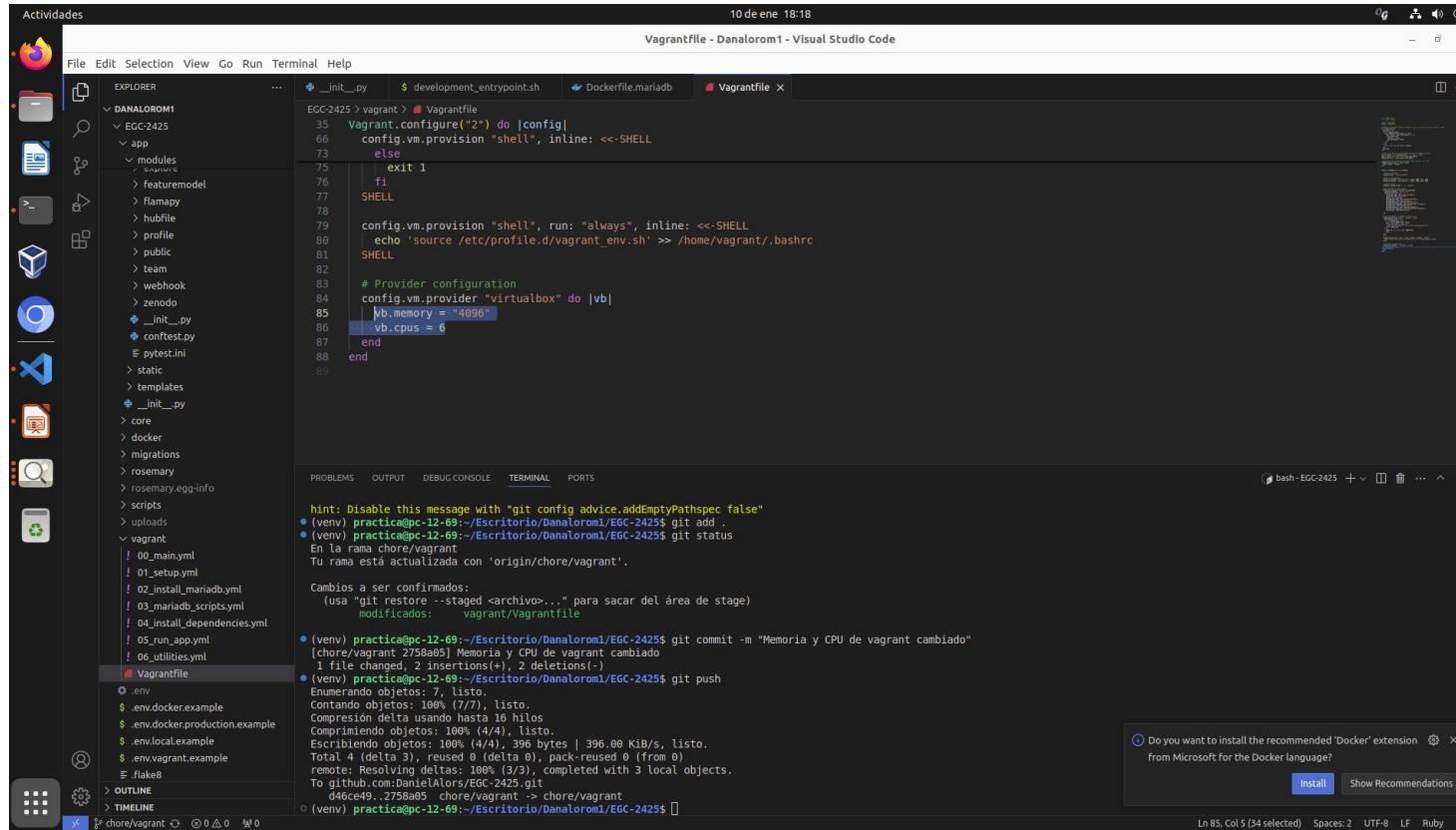
# Ejercicio Docker

## Apartado 6



# Ejercicio Vagrant

## Apartado 1



The screenshot shows a Visual Studio Code interface with the following details:

- Title Bar:** Actividades, Vagrantfile - Danalorom1 - Visual Studio Code, 10 de ene 18:18.
- File Explorer:** Shows the project structure for "DANALOROM1" containing "EGC-2425", "app", "modules", "static", "templates", "core", "docker", "migrations", "rosemary", "scripts", "uploads", and "vagrant".
- Code Editor:** The "Vagrantfile" file is open, showing configuration for Vagrant. A specific line of code is selected: "vb.memory = "4096"".
- Terminal:** Shows a bash session for "ECC-2425" with the following output:
  - hint: Disable this message with "git config advice.addEmptyPathspec false"
  - (venv) practic@pc-12-69:~/Escritorio/Danalorom1/EGC-2425\$ git add .
  - (venv) practic@pc-12-69:~/Escritorio/Danalorom1/EGC-2425\$ git status
  - En la rama chore/vagrant
  - Tu rama está actualizada con 'origin/chore/vagrant'.
  - Cambios a ser confirmados:
  - (usa "git restore --staged <archivo>..." para sacar del área de stage)
  - modificados: vagrant/Vagrantfile
  - (venv) practic@pc-12-69:~/Escritorio/Danalorom1/EGC-2425\$ git commit -m "Memoria y CPU de vagrant cambiado"
  - [chore/vagrant 2758a05] Memoria y CPU de vagrant cambiado
  - 1 file changed, 2 insertions(+), 2 deletions(-)
  - (venv) practic@pc-12-69:~/Escritorio/Danalorom1/EGC-2425\$ git push
  - Enumerando objetos: 7, lista.
  - Contando objetos: 100% (7/7), lista.
  - Comprimiendo objetos: 100% (4/4), lista.
  - Escriviendo objetos: 100% (4/4), 396 bytes | 396.00 KiB/s, lista.
  - 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:DanielAlors/EGC-2425.git
  - 4d6ce49..2758a05 chore/vagrant -> chore/vagrant
- Bottom Status Bar:** Ln 85, Col 5 (34 selected), Spaces: 2, UTF-8, LF, Ruby.

# Ejercicio Vagrant

## *Apartado 2*

The screenshot shows a Visual Studio Code interface with the following details:

- Title Bar:** Actividades, 10 de ene 18:22, Vagrantfile - Danalorom1 - Visual Studio Code
- File Explorer:** Shows a project structure under "DANALOROM1". The "app" folder contains "modules" which include "featuremodel", "flamay", "hubfile", "profile", "public", "team", "webhook", and "zenodo". Other files in "app" include `__init__.py`, `confest.py`, `pytest.ini`, `static`, `templates`, `core`, `docker`, `migrations`, `rosemary`, `scripts`, and `vagrant`. The ".vagrant" and ".env" files are marked as excluded.
- Code Editor:** The main editor window displays the `Vagrantfile` content. The terminal tab shows the output of running `vagrant up` in a Docker container (Ubuntu Jammy 64-bit). The log output includes:

```
d46ce49... chore/vagrant -> chore/vagrant
(venv) prakticape@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$ vagrant up
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: Version: v7.0.12 (auto)
    default: URL: https://vagrantcloud.com/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/vagrant.box
The box failed to unpack 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

(venv) prakticape@pc-12-69:~/Escritorio/Danalorom1/EGC-2425$ vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
```
- Terminal:** The terminal shows the command `vagrant up` being run in a Docker container. The log output includes the same message about finding and installing the box, followed by the message "The box failed to unpack 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." and the error "bsdtar: Error opening archive: Unrecognized archive format".
- Status Bar:** Shows icons for file operations like Save, Undo, Redo, and others, along with the status "Ln 87, Col 6 Spaces:2 UTF-8 LF Ruby".

# Ejercicio Vagrant

## Apartado 3

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a tree view of a Vagrant project named "DANALOROM1". The structure includes folders like EGC-2425, app, modules, and various configuration files such as .env, Dockerfile.mariadb, Vagrantfile, and several .yml files (04\_install\_dependencies.yml, 05\_run\_app.yml, 06\_utilities.yml).
- Code Editor:** The main editor area displays the content of the file "04\_install\_dependencies.yml". The code is a Ansible playbook with tasks for adding a PPA, updating the system, installing Python 3.11, pip, and setuptools, setting up a virtual environment, and activating it.
- Terminal:** At the bottom, a terminal window is open with the command "practica@pc-12-69:~/Escritorio/Danalorom1/EGC-2425/vagrants\$".
- Status Bar:** Shows the current file path as "04\_install\_dependencies.yml" and other status information like line count (Ln 14), column count (Col 23), and encoding (UTF-8).
- Extension Bar:** A tooltip for the "Docker" extension is visible, asking if the user wants to install it.

# Ejercicio Vagrant

## *Apartado 3*

Se ha cambiado cada 3.12 por 3.11

# Ejercicio Vagrant

## Apartado 3

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project structure for "DANALOROM1" containing "EGC-2425", "app", "modules", and "vagrant" folders. Inside "vagrant", there are files like ".vagrant", "00\_main.yml", "01\_setup.yml", "02\_install\_mariadb.yml", "03\_mariadb\_scripts.yml", "04\_install\_dependencies.yml", "05\_run\_app.yml" (which is selected), "06\_utilities.yml", and "Vagrantfile".
- Terminal:** Shows the command "vagrant up" being run, with output indicating the creation of a VirtualBox machine named "default".
- Output:** Shows environment variables like DOMAIN, MARIADB\_HOSTNAME, MARIADB\_PORT, MARIADB\_DATABASE, MARIADB\_TEST\_DATABASE, MARIADB\_USER, MARIADB\_PASSWORD, and MARIADB\_ROOT\_PASSWORD.
- Problems:** A tooltip asks if the user wants to install the recommended "Docker" extension from Microsoft for the Docker language.
- Status Bar:** Shows file statistics: Ln 41, Col 68 (6 selected), Spaces: 2, UTF-8, LF, YAML.

# Ejercicio Vagrant

## Apartado 4

The screenshot shows a Visual Studio Code interface with the following details:

- Title Bar:** 04\_install\_dependencies.yml - Danalorom1 - Visual Studio Code
- Activity Bar:** Shows icons for File Explorer, Search, Open, Run, Terminal, and Help.
- File Explorer:** Displays the project structure under "DANALOROM1". Key files shown include `__init__.py`, `development_entrypoint.sh`, `Dockerfile.mariadb`, `Vagrantfile`, `05_run_app.yml`, and `04_install_dependencies.yml`.
- Terminal:** The terminal window displays a series of commands run in a Vagrant environment:
  - git add .
  - git status
  - git commit -m "Python 3.11 y flask sin modo debug"
  - git push
  - vagrant upOutput from the "vagrant up" command includes:
  - FLASK\_APP NAME: UVLHUB.IO(dev)
  - FLASK\_ENV: development
  - MARIADB: localhost:15600
  - 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 DIRECTORY: /home/practicapc-12-69/Escritorio/Danalorom1/EGC-2425
- Bottom Status Bar:** Shows "Ln 14, Col 23" and "Spaces: 2" and "UTF-8".
- Bottom Right Pop-up:** A message from Microsoft for the Docker language extension, asking if the user wants to install it. It includes "Install" and "Show Recommendations" buttons.