

BITACORA SPRINT 2

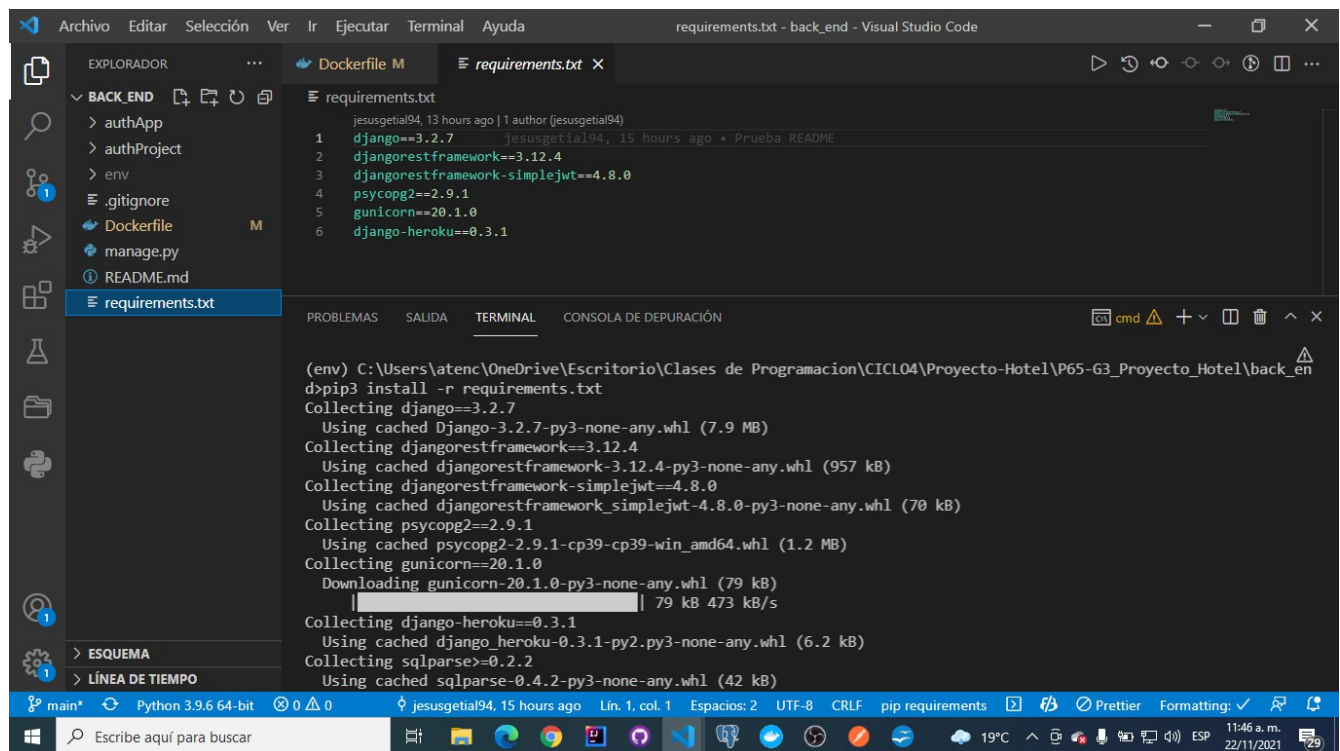
CREACION DEL PRIMER MICROSERVICIO PARA GESTION DE UN HOTEL:

https://github.com/the-king-sudo/P65-G3_Proyecto_Hotel

En este primer microservicio se pueden realizar las siguientes tareas:

- Creación de Usuario.
- Login de Usuario
- Administrador.
- El Usuario puede consultar las habitaciones.
- El Administrador puede gestionar las habitaciones del hotel.
 - Crear
 - Consultar
 - Actualizar
 - Eliminar

DESPLIEGUE DEL MICROSERVICIO EN HEROKU



The screenshot shows the Visual Studio Code interface with the 'requirements.txt' file open in the editor. The file contains the following dependencies:

```
1 django==3.2.7
2 djangoorestframework==3.12.4
3 djangoorestframework-simplejwt==4.8.0
4 psycpg2==2.9.1
5 gunicorn==20.1.0
6 django-heroku==0.3.1
```

The terminal window shows the output of the command `pip3 install -r requirements.txt`. The output indicates that the dependencies are being collected and installed, with some packages being cached and others downloaded.

```
(env) C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICLO4\Proyecto-Hotel\P65-G3_Proyecto_Hotel\back_end
d>pip3 install -r requirements.txt
Collecting django==3.2.7
  Using cached Django-3.2.7-py3-none-any.whl (7.9 MB)
Collecting djangoorestframework==3.12.4
  Using cached djangoorestframework-3.12.4-py3-none-any.whl (957 kB)
Collecting djangoorestframework-simplejwt==4.8.0
  Using cached djangoorestframework_simplejwt-4.8.0-py3-none-any.whl (70 kB)
Collecting psycpg2==2.9.1
  Using cached psycpg2-2.9.1-cp39-cp39-win_amd64.whl (1.2 MB)
Collecting gunicorn==20.1.0
  Downloading gunicorn-20.1.0-py3-none-any.whl (79 kB)
  79 kB 473 kB/s
Collecting django-heroku==0.3.1
  Using cached django_heroku-0.3.1-py2.py3-none-any.whl (6.2 kB)
Collecting sqlparse>=0.2.2
  Using cached sqlparse-0.4.2-py3-none-any.whl (42 kB)
```

Visual Studio Code interface showing the Dockerfile editor and terminal output.

EXPLORADOR

- BACK_END
 - authApp
 - authProject
 - env
 - .gitignore
 - Dockerfile** (M)
 - manage.py
 - README.md
 - requirements.txt
- ESQUEMA
- LÍNEA DE TIEMPO

Dockerfile

```
1 FROM python:3
2 ENV PYTHONUNBUFFERED 1
3 RUN mkdir /users
4 WORKDIR /users
5 ADD ./users/
6 RUN pip install -r requirements.txt
7 EXPOSE 8080
8 CMD python manage.py makemigrations && python manage.py migrate && python manage.py runserver 0.0.0.0:$PORT
```

TERMINAL

```
(env) C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICL04\Proyecto-Hotel\P65-G3_Proyecto_Hotel\back_end
d>heroku login
heroku: Press any key to open up the browser to login or q to exit:
Opening browser to https://cli-auth.heroku.com/auth/cli/browser/7764c53a-445a-459d-b853-e085a4dc7d9d?requestor=SFMy
NTY.g2gDbQAAAA8xOTAuMTU5LjIzMi4xMzZuBgAg8NpFQFiAAFRgA.Y-OiQqGcNbEJeZtvd61F4cJDz6D414dQ-spDXMQcURI
Logging in... done
Logged in as ing.atenciashirly@gmail.com

(env) C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICL04\Proyecto-Hotel\P65-G3_Proyecto_Hotel\back_end
d>heroku container:login:
» Warning: container:login: is not a heroku command.
Did you mean container:login? [y/n]:
» Error: Run heroku help container for a list of available commands.

(env) C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICL04\Proyecto-Hotel\P65-G3_Proyecto_Hotel\back_end
d>heroku container:login:
» Warning: container:login: is not a heroku command.
Did you mean container:login? [y/n]: y
```

Visual Studio Code interface showing the Dockerfile editor and terminal output.

EXPLORADOR

- BACK_END
 - authApp
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Dockerfile

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5 ADD ./users/
6 RUN pip install -r requirements.txt
7 EXPOSE 8080
8 CMD python manage.py makemigrations && python manage.py migrate && python manage.py runserver 0.0.0.0:$PORT
```

TERMINAL

```
(env) C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICL04\Proyecto-Hotel\P65-G3_Proyecto_Hotel\back_end
d>heroku container:push web --app gestion-hotel-be
=== Building web (C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICL04\Proyecto-Hotel\P65-G3_Proyecto_H
otel\back_end\Dockerfile)
[+] Building 292.7s (10/10) FINISHED
=> [internal] load build definition from Dockerfile 0.6s
=> => transferring dockerfile: 284B 0.0s
=> [internal] load .dockerignore 0.8s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3 15.3s
=> [internal] load build context 102.6s
=> => transferring context: 49.27MB 99.0s
=> [1/5] FROM docker.io/library/python:3@sha256:f44726de10d15558e465238b02966a8f83971fd85a4c4b95c263704e6 178.2s
=> => resolve docker.io/library/python:3@sha256:f44726de10d15558e465238b02966a8f83971fd85a4c4b95c263704e6a6 0.3s
=> => sha256:f44726de10d15558e465238b02966a8f83971fd85a4c4b95c263704e6a6012e9 2.60kB / 2.60kB 0.0s
=> => sha256:9f4d271aefec02809b04fa2367895c173cbf2ad03a9b94d7b385498a826d2ce 2.22kB / 2.22kB 0.0s
=> => sha256:f48ea80eae5a5683e2a734cf4697827339af3ced11e26d0ad58433ddf6fac24f 8.62kB / 8.62kB 0.0s
=> => sha256:647acf3d48c2780e00cd27bb0984367415f270d78477ef9d5b238e6ebd5290da 54.93MB / 54.93MB 78.9s
```

The screenshot shows the Visual Studio Code interface with the Dockerfile editor open. The Dockerfile content is as follows:

```
Dockerfile
1 FROM python:3
2 ENV PYTHONUNBUFFERED 1
3 RUN mkdir /users
4 WORKDIR /users
5 ADD . /users/
6 RUN pip install -r requirements.txt
7 EXPOSE 8080
8 CMD python manage.py makemigrations && python manage.py migrate && python manage.py runserver 0.0.0.0:$PORT
```

The terminal output shows the progress of building the Docker image:

```
=> [4/5] ADD . /users/
=> [5/5] RUN pip install -r requirements.txt
=> exporting to image
=> => exporting layers
=> => writing image sha256:eb486f2aa3daa695304afcbe77b026feb00da2377a00bb7261eb7aec20f05d4d
=> => naming to registry.heroku.com/gestion-hotel-be/web
```

Below the terminal output, there is a message from Docker:

```
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
=== Pushing web (C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICLO4\Proyecto-Hotel\P65-G3_Proyecto_Hotel\back_end\Dockerfile)
Using default tag: latest
The push refers to repository [registry.heroku.com/gestion-hotel-be/web]
55546f17ee1f: Preparing
13c8ff87ad40: Preparing
5f70bf18a086: Preparing
c10fcc5fc596: Preparing
42ce61e841fa: Preparing
55546f17ee1f: Pushed
```

The status bar at the bottom indicates the current environment is Python 3.9.6 64-bit, and the Docker extension is active.

The screenshot shows the Visual Studio Code interface with the Dockerfile editor open. The Dockerfile content is the same as in the previous screenshot.

The terminal output shows the progress of pushing the Docker image to Heroku:

```
42ce61e841fa: Preparing
55546f17ee1f: Pushed
e24045f8c247: Pushed
b7b662b31e70: Pushed
6f5234c0aacd: Pushed
8a5844586fdb: Pushed
a4aba4e59b40: Pushed
5499f2905579: Pushed
a36ba9e322f7: Pushed
latest: digest: sha256:f93c09358a63b87fb8a516e3f616983e62a86479a6ac966a185412222e70180e size: 3055
Your image has been successfully pushed. You can now release it with the 'container:release' command.
```

Below the terminal output, there is a message from Docker:

```
(env) C:\Users\atenc\OneDrive\Escritorio\Clases de Programacion\CICLO4\Proyecto-Hotel\P65-G3_Proyecto_Hotel\back_end>heroku container:release web --app gestion-hotel-be
Releasing images web to gestion-hotel-be... done
```

The status bar at the bottom indicates the current environment is Python 3.9.6 64-bit, and the Docker extension is active.