Database Start

```
File Edit View Search Terminal Help
 [hasan@parrot]-[~]
-- $sudo systemctl start mysql<sub>cmint.com/take-o</sub>
sudo] password for hasan:
  [hasan@parrot]—[~]<sup>lard</sup> → (<sup>1777)</sup> M Pra
— $sudo systemctl status mysql
mariadb.service - MariaDB 10.5.21 database server
     Loaded: loaded (/lib/systemd/system/mariadb.service; disabled; preset: dis>
    Active: active (running) since Thu 2023-11-02 16:01:37 EDT; 16h ago
       Docs: man:mariadbd(8)
              https://mariadb.com/kb/en/library/systemd/
   Process: 14589 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /va>
   Process: 14590 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_S>
   Process: 14592 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] &&>
Process: 14658 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP >
   Process: 14660 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0>
  Main PID: 14640 (mariadbd)
    Status: T"Taking your, SQLirrequests, now... Typically use the package manager that come
     Tasks: 12 (limit: 9291)
    Memory: 21.1M
        CPU: 4.484s
     CGroup: /system.slice/mariadb.service
              14640 /usr/sbin/mariadbd
```

Database configuration:

```
database.pv
    import mysql.connector
    import time
    time.sleep(5) # Adjust the delay as needed
    db_config = {
        "port": 3306,
        "password": "H12345",
"database": "movieDB",
    db connection = mysql.connector.connect(**db config)
    db_cursor = db_connection.cursor()
    def search movies by year(year of release):
        db connection = mysql.connector.connect(**db config) # Establish a new database connection
        db cursor = db connection.cursor()
Run FastApi Framework app:
$python3 main.py
INFO:
          Started server process [78841]
          Waiting for application startup.
INFO:
INFO:
          Application startup complete.
          Uvicorn running on http://0.0.0.0:800) (Press CTRL+C to guit)
```



Movies Search

Search by Year of Release: Search

Search Results:

Movie Name Year of Release Box Office Director Producer Cast

Database Data insert:

Micro service main app run:

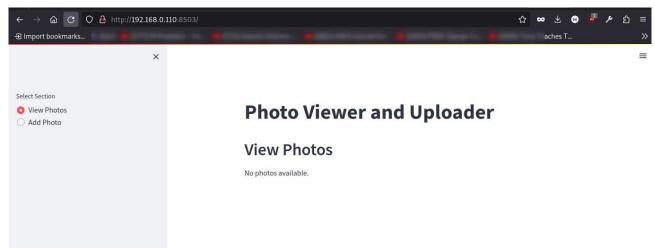
```
$python3 main.py
 * Serving Flask app 'main'
 * Debug mode: off
  RNING: This is a development server. Do not use it in a production deployment
* Running on http://127.0.0.1:8010
 ress CTRL+C to quit
L27.0.0.1 - - [03/Nov/2023 10:07:11] "GET / HTTP/1.1" 200 -
l27.0.0.1 - - [03/Nov/2023 10:07:11] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [03/Nov/2023 10:07:13] "GET /redirect-9000 HTTP/1.1" 302 -
L27.0.0.1 - - [03/Nov/2023 10:58:41] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [03/Nov/2023 10:58:41] "GET /favicon.ico HTTP/1.1" 404 -
L27.0.0.1 - - [03/Nov/2023 10:58:43]
                                    "GÉT /redirect-9000 HTTP/1.1" 302 -
127.0.0.1 - - [03/Nov/2023 20:16:20] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [03/Nov/2023 20:16:26] "GET /redirect-9000 HTTP/1.1" 302 -
L27.0.0.1 - - [03/Nov/2023 20:47:49] "GET / HTTP/1.1" 200 -
                              REDIRECT BUTTONS
```

```
ParrotTerminal

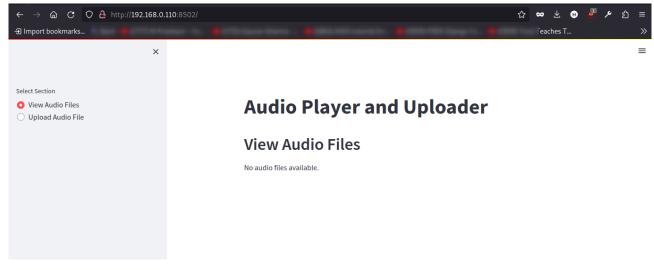
File Edit View Search Terminal Help

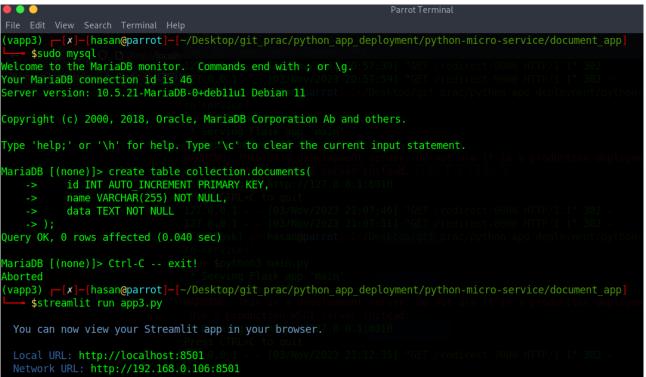
(vapp1) — [hasan@parrot] — [-/Desktop/git_prac/python_app_deployment/python-micro-service/post_app]

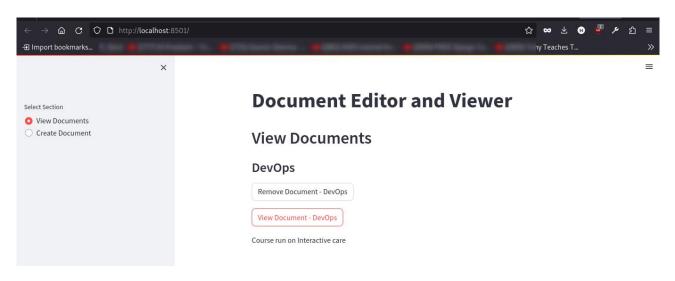
— $sudo mysql — minimized beautiful processed by the process of pr
```



Streamlite app run:



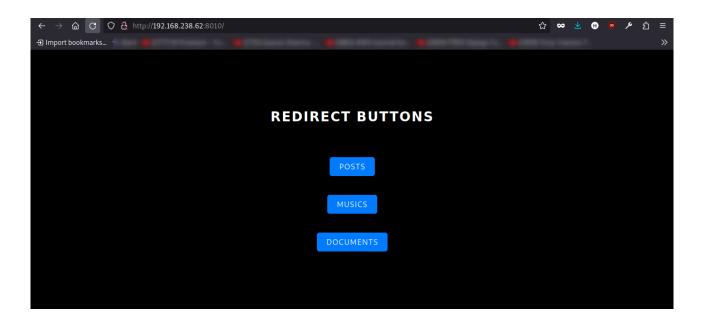




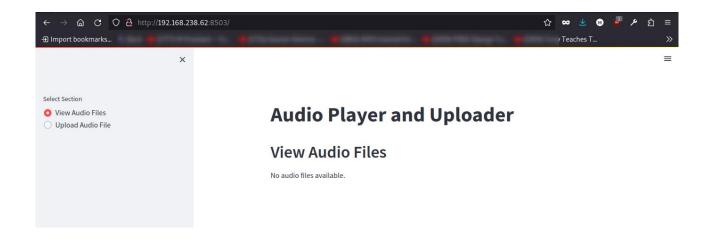
Run on VM

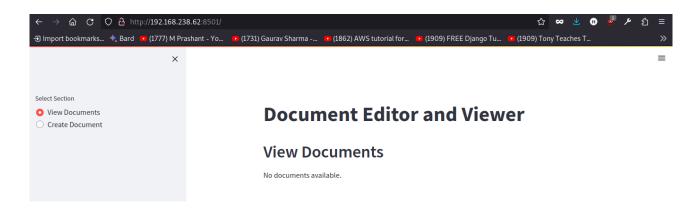


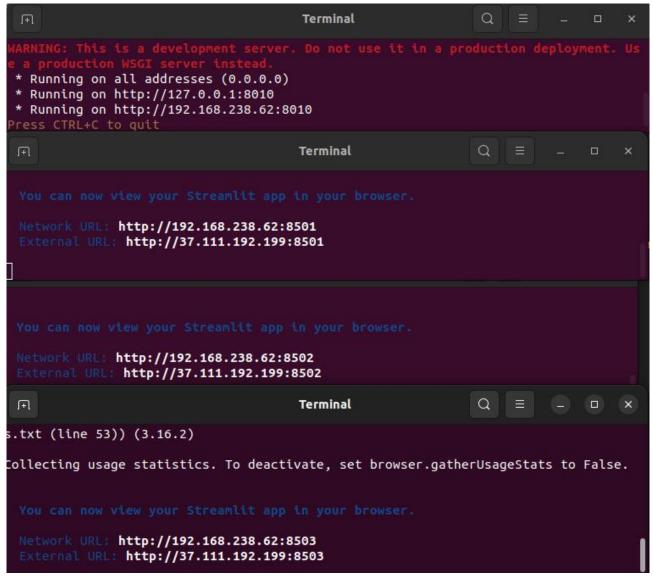
Movie Name Year of Release Box Office Director Producer Cast











One command run the all microservice app