**Successfully ran all the 3 containers**

**Graphical user interface, application

Description automatically generated**

**Terminal commands as below**

conda activate base

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % conda activate base

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % docker network ls

NETWORK ID NAME DRIVER SCOPE

f85209e8f1f5 bridge bridge local

fdeffe9186bf host host local

48bd14f8f647 my\_network bridge local

7091d1dbc065 none null local

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % cd dba

(base) monishagopal@Monishas-MacBook-Pro dba % docker build -t my\_dba .

[+] Building 0.6s (5/5) FINISHED

=> [internal] load build definition from Dockerfile 0.0s

=> => transferring dockerfile: 327B 0.0s

=> [internal] load .dockerignore 0.0s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/dpage/pgadmin4:latest 0.5s

=> CACHED [1/1] FROM docker.io/dpage/pgadmin4@sha256:2b3d238866dfcd999abb34b59906c3674895d2678545d19a666c2f11bf182783 0.0s

=> exporting to image 0.0s

=> => exporting layers 0.0s

=> => writing image sha256:7c6122b851aea6597308ad92ce11385d7f2ee38b654c3c7f3bcd17d5ccde292a 0.0s

=> => naming to docker.io/library/my\_dba 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

(base) monishagopal@Monishas-MacBook-Pro dba % cd ..

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % cd db

(base) monishagopal@Monishas-MacBook-Pro db % docker build -t my\_db .

[+] Building 0.6s (5/5) FINISHED

=> [internal] load build definition from Dockerfile 0.0s

=> => transferring dockerfile: 322B 0.0s

=> [internal] load .dockerignore 0.0s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/library/postgres:12.12 0.5s

=> CACHED [1/1] FROM docker.io/library/postgres:12.12@sha256:48e7749d34781a73d0dd74695e61f76e5f2c9ec7e0c2af99d2e004b2246f5af9 0.0s

=> exporting to image 0.0s

=> => exporting layers 0.0s

=> => writing image sha256:40b8b9ca56a9993a07c66e61123232eead0339c94f867c3cf75e13a82b63a174 0.0s

=> => naming to docker.io/library/my\_db 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

(base) monishagopal@Monishas-MacBook-Pro db % docker run --name mydba --network my\_network -p 8081:80 -d my\_dba

cf3bad5bb4f25e9ad8a1b3ca91329b675799762b90269445ae04d15e50bde21c

(base) monishagopal@Monishas-MacBook-Pro db % docker run --name mydb --network my\_network -itd -p5432:5432 my\_db

6f66d114dfa02e7e09412695b675d80245703c2d9b5468a6d029bb78583dfb9c

(base) monishagopal@Monishas-MacBook-Pro db % docker network ls

NETWORK ID NAME DRIVER SCOPE

f85209e8f1f5 bridge bridge local

fdeffe9186bf host host local

48bd14f8f647 my\_network bridge local

7091d1dbc065 none null local

(base) monishagopal@Monishas-MacBook-Pro db % docker build -t my\_dba .

[+] Building 1.1s (5/5) FINISHED

=> [internal] load build definition from Dockerfile 0.0s

=> => transferring dockerfile: 214B 0.0s

=> [internal] load .dockerignore 0.0s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/library/postgres:12.12 1.0s

=> CACHED [1/1] FROM docker.io/library/postgres:12.12@sha256:48e7749d34781a73d0dd74695e61f76e5f2c9ec7e0c2af99d2e004b2246f5af9 0.0s

=> exporting to image 0.0s

=> => exporting layers 0.0s

=> => writing image sha256:40b8b9ca56a9993a07c66e61123232eead0339c94f867c3cf75e13a82b63a174 0.0s

=> => naming to docker.io/library/my\_dba 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

(base) monishagopal@Monishas-MacBook-Pro db % cd ..

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % cd db

(base) monishagopal@Monishas-MacBook-Pro db % docker build -t my\_db .

[+] Building 0.5s (5/5) FINISHED

=> [internal] load build definition from Dockerfile 0.0s

=> => transferring dockerfile: 214B 0.0s

=> [internal] load .dockerignore 0.0s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/library/postgres:12.12 0.4s

=> CACHED [1/1] FROM docker.io/library/postgres:12.12@sha256:48e7749d34781a73d0dd74695e61f76e5f2c9ec7e0c2af99d2e004b2246f5af9 0.0s

=> exporting to image 0.0s

=> => exporting layers 0.0s

=> => writing image sha256:40b8b9ca56a9993a07c66e61123232eead0339c94f867c3cf75e13a82b63a174 0.0s

=> => naming to docker.io/library/my\_db 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

(base) monishagopal@Monishas-MacBook-Pro db % docker run --name mydba --network my\_network -p 8081:80 -d my\_dba

37d63347cbc72f452debe42634966aee5cf2a9e7d0742ed6c24416ee2ea51692

(base) monishagopal@Monishas-MacBook-Pro db % docker run --name mydb --network my\_network -itd -p5432:5432 my\_db

58915b347d1987b1cd7fb8451f12648a71da9bda2f42490e8209e5436e6c366a

(base) monishagopal@Monishas-MacBook-Pro db % cd ..

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % docker build -t my\_django .

[+] Building 1.1s (9/9) FINISHED

=> [internal] load build definition from Dockerfile 0.0s

=> => transferring dockerfile: 741B 0.0s

=> [internal] load .dockerignore 0.0s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/library/python:latest 1.0s

=> [internal] load build context 0.0s

=> => transferring context: 37B 0.0s

=> [1/4] FROM docker.io/library/python@sha256:fe068d8c06a719e26a1388c9d5c7c67d94923b0654ba89b0b7b5e518609e3304 0.0s

=> CACHED [2/4] COPY requirements.txt /tmp 0.0s

=> CACHED [3/4] RUN pip3 install -r /tmp/requirements.txt 0.0s

=> CACHED [4/4] WORKDIR /app 0.0s

=> exporting to image 0.0s

=> => exporting layers 0.0s

=> => writing image sha256:9608853d015d04b90685bc332b7276b36fe8f63f98297954cd84d12d5556bf59 0.0s

=> => naming to docker.io/library/my\_django 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % docker run -it -p8000:8000 --network my\_network -v "$(pwd)/app:/app" my\_django /bin/bash

root@a4f1d29e79a5:/app# django-admin startproject app

root@a4f1d29e79a5:/app# cd app

root@a4f1d29e79a5:/app/app# django-admin startproject app

CommandError: '/app/app/app' already exists

root@a4f1d29e79a5:/app/app# cd ..

root@a4f1d29e79a5:/app# django-admin startproject app

CommandError: '/app/app' already exists

root@a4f1d29e79a5:/app# python app/manage.py runserver 0.0.0.0:8000

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions.

Run 'python manage.py migrate' to apply them.

October 08, 2022 - 04:02:33

Django version 4.1.2, using settings 'app.settings'

Starting development server at http://0.0.0.0:8000/

Quit the server with CONTROL-C.

Invalid HTTP\_HOST header: '0.0.0.0:8000'. You may need to add '0.0.0.0' to ALLOWED\_HOSTS.

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/core/handlers/exception.py", line 55, in inner

response = get\_response(request)

File "/usr/local/lib/python3.10/site-packages/django/utils/deprecation.py", line 135, in \_\_call\_\_

response = self.process\_request(request)

File "/usr/local/lib/python3.10/site-packages/django/middleware/common.py", line 48, in process\_request

host = request.get\_host()

File "/usr/local/lib/python3.10/site-packages/django/http/request.py", line 148, in get\_host

raise DisallowedHost(msg)

django.core.exceptions.DisallowedHost: Invalid HTTP\_HOST header: '0.0.0.0:8000'. You may need to add '0.0.0.0' to ALLOWED\_HOSTS.

Bad Request: /

[08/Oct/2022 04:02:58] "GET / HTTP/1.1" 400 59349

Invalid HTTP\_HOST header: '0.0.0.0:8000'. You may need to add '0.0.0.0' to ALLOWED\_HOSTS.

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/core/handlers/exception.py", line 55, in inner

response = get\_response(request)

File "/usr/local/lib/python3.10/site-packages/django/utils/deprecation.py", line 135, in \_\_call\_\_

response = self.process\_request(request)

File "/usr/local/lib/python3.10/site-packages/django/middleware/common.py", line 48, in process\_request

host = request.get\_host()

File "/usr/local/lib/python3.10/site-packages/django/http/request.py", line 148, in get\_host

raise DisallowedHost(msg)

django.core.exceptions.DisallowedHost: Invalid HTTP\_HOST header: '0.0.0.0:8000'. You may need to add '0.0.0.0' to ALLOWED\_HOSTS.

Bad Request: /favicon.ico

[08/Oct/2022 04:02:59] "GET /favicon.ico HTTP/1.1" 400 59400

Internal Server Error: /admin/

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/base.py", line 187, in \_get\_session

return self.\_session\_cache

AttributeError: 'SessionStore' object has no attribute '\_session\_cache'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 89, in \_execute

return self.cursor.execute(sql, params)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/sqlite3/base.py", line 357, in execute

return Database.Cursor.execute(self, query, params)

sqlite3.OperationalError: no such table: django\_session

The above exception was the direct cause of the following exception:

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/core/handlers/exception.py", line 55, in inner

response = get\_response(request)

File "/usr/local/lib/python3.10/site-packages/django/core/handlers/base.py", line 197, in \_get\_response

response = wrapped\_callback(request, \*callback\_args, \*\*callback\_kwargs)

File "/usr/local/lib/python3.10/site-packages/django/contrib/admin/sites.py", line 261, in wrapper

return self.admin\_view(view, cacheable)(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/utils/decorators.py", line 133, in \_wrapped\_view

response = view\_func(request, \*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/views/decorators/cache.py", line 62, in \_wrapped\_view\_func

response = view\_func(request, \*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/contrib/admin/sites.py", line 230, in inner

if not self.has\_permission(request):

File "/usr/local/lib/python3.10/site-packages/django/contrib/admin/sites.py", line 203, in has\_permission

return request.user.is\_active and request.user.is\_staff

File "/usr/local/lib/python3.10/site-packages/django/utils/functional.py", line 266, in inner

self.\_setup()

File "/usr/local/lib/python3.10/site-packages/django/utils/functional.py", line 419, in \_setup

self.\_wrapped = self.\_setupfunc()

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/middleware.py", line 25, in <lambda>

request.user = SimpleLazyObject(lambda: get\_user(request))

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/middleware.py", line 11, in get\_user

request.\_cached\_user = auth.get\_user(request)

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/\_\_init\_\_.py", line 191, in get\_user

user\_id = \_get\_user\_session\_key(request)

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/\_\_init\_\_.py", line 60, in \_get\_user\_session\_key

return get\_user\_model().\_meta.pk.to\_python(request.session[SESSION\_KEY])

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/base.py", line 53, in \_\_getitem\_\_

return self.\_session[key]

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/base.py", line 192, in \_get\_session

self.\_session\_cache = self.load()

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/db.py", line 42, in load

s = self.\_get\_session\_from\_db()

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/db.py", line 32, in \_get\_session\_from\_db

return self.model.objects.get(

File "/usr/local/lib/python3.10/site-packages/django/db/models/manager.py", line 85, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 646, in get

num = len(clone)

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 376, in \_\_len\_\_

self.\_fetch\_all()

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 1866, in \_fetch\_all

self.\_result\_cache = list(self.\_iterable\_class(self))

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 87, in \_\_iter\_\_

results = compiler.execute\_sql(

File "/usr/local/lib/python3.10/site-packages/django/db/models/sql/compiler.py", line 1398, in execute\_sql

cursor.execute(sql, params)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 103, in execute

return super().execute(sql, params)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 67, in execute

return self.\_execute\_with\_wrappers(

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 80, in \_execute\_with\_wrappers

return executor(sql, params, many, context)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 84, in \_execute

with self.db.wrap\_database\_errors:

File "/usr/local/lib/python3.10/site-packages/django/db/utils.py", line 91, in \_\_exit\_\_

raise dj\_exc\_value.with\_traceback(traceback) from exc\_value

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 89, in \_execute

return self.cursor.execute(sql, params)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/sqlite3/base.py", line 357, in execute

return Database.Cursor.execute(self, query, params)

django.db.utils.OperationalError: no such table: django\_session

[08/Oct/2022 04:03:26] "GET /admin/ HTTP/1.1" 500 186266

[08/Oct/2022 04:03:29] "GET / HTTP/1.1" 200 10681

[08/Oct/2022 04:03:29] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423

[08/Oct/2022 04:03:29] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 200 85876

[08/Oct/2022 04:03:29] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 200 85692

[08/Oct/2022 04:03:29] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 200 86184

Internal Server Error: /admin/

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/base.py", line 187, in \_get\_session

return self.\_session\_cache

AttributeError: 'SessionStore' object has no attribute '\_session\_cache'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

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return Database.Cursor.execute(self, query, params)

sqlite3.OperationalError: no such table: django\_session

The above exception was the direct cause of the following exception:

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/core/handlers/exception.py", line 55, in inner

response = get\_response(request)

File "/usr/local/lib/python3.10/site-packages/django/core/handlers/base.py", line 197, in \_get\_response

response = wrapped\_callback(request, \*callback\_args, \*\*callback\_kwargs)

File "/usr/local/lib/python3.10/site-packages/django/contrib/admin/sites.py", line 261, in wrapper

return self.admin\_view(view, cacheable)(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/utils/decorators.py", line 133, in \_wrapped\_view

response = view\_func(request, \*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/views/decorators/cache.py", line 62, in \_wrapped\_view\_func

response = view\_func(request, \*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/contrib/admin/sites.py", line 230, in inner

if not self.has\_permission(request):

File "/usr/local/lib/python3.10/site-packages/django/contrib/admin/sites.py", line 203, in has\_permission

return request.user.is\_active and request.user.is\_staff

File "/usr/local/lib/python3.10/site-packages/django/utils/functional.py", line 266, in inner

self.\_setup()

File "/usr/local/lib/python3.10/site-packages/django/utils/functional.py", line 419, in \_setup

self.\_wrapped = self.\_setupfunc()

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/middleware.py", line 25, in <lambda>

request.user = SimpleLazyObject(lambda: get\_user(request))

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/middleware.py", line 11, in get\_user

request.\_cached\_user = auth.get\_user(request)

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/\_\_init\_\_.py", line 191, in get\_user

user\_id = \_get\_user\_session\_key(request)

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/\_\_init\_\_.py", line 60, in \_get\_user\_session\_key

return get\_user\_model().\_meta.pk.to\_python(request.session[SESSION\_KEY])

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/base.py", line 53, in \_\_getitem\_\_

return self.\_session[key]

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/base.py", line 192, in \_get\_session

self.\_session\_cache = self.load()

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/db.py", line 42, in load

s = self.\_get\_session\_from\_db()

File "/usr/local/lib/python3.10/site-packages/django/contrib/sessions/backends/db.py", line 32, in \_get\_session\_from\_db

return self.model.objects.get(

File "/usr/local/lib/python3.10/site-packages/django/db/models/manager.py", line 85, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 646, in get

num = len(clone)

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 376, in \_\_len\_\_

self.\_fetch\_all()

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 1866, in \_fetch\_all

self.\_result\_cache = list(self.\_iterable\_class(self))

File "/usr/local/lib/python3.10/site-packages/django/db/models/query.py", line 87, in \_\_iter\_\_

results = compiler.execute\_sql(

File "/usr/local/lib/python3.10/site-packages/django/db/models/sql/compiler.py", line 1398, in execute\_sql

cursor.execute(sql, params)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 103, in execute

return super().execute(sql, params)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 67, in execute

return self.\_execute\_with\_wrappers(

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 80, in \_execute\_with\_wrappers

return executor(sql, params, many, context)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 84, in \_execute

with self.db.wrap\_database\_errors:

File "/usr/local/lib/python3.10/site-packages/django/db/utils.py", line 91, in \_\_exit\_\_

raise dj\_exc\_value.with\_traceback(traceback) from exc\_value

File "/usr/local/lib/python3.10/site-packages/django/db/backends/utils.py", line 89, in \_execute

return self.cursor.execute(sql, params)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/sqlite3/base.py", line 357, in execute

return Database.Cursor.execute(self, query, params)

django.db.utils.OperationalError: no such table: django\_session

[08/Oct/2022 04:03:42] "GET /admin/ HTTP/1.1" 500 186266

^Croot@a4f1d29e79a5:/app# cd ..

root@a4f1d29e79a5:/# python /app/app/manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, contenttypes, sessions

Running migrations:

Applying contenttypes.0001\_initial... OK

Applying auth.0001\_initial... OK

Applying admin.0001\_initial... OK

Applying admin.0002\_logentry\_remove\_auto\_add... OK

Applying admin.0003\_logentry\_add\_action\_flag\_choices... OK

Applying contenttypes.0002\_remove\_content\_type\_name... OK

Applying auth.0002\_alter\_permission\_name\_max\_length... OK

Applying auth.0003\_alter\_user\_email\_max\_length... OK

Applying auth.0004\_alter\_user\_username\_opts... OK

Applying auth.0005\_alter\_user\_last\_login\_null... OK

Applying auth.0006\_require\_contenttypes\_0002... OK

Applying auth.0007\_alter\_validators\_add\_error\_messages... OK

Applying auth.0008\_alter\_user\_username\_max\_length... OK

Applying auth.0009\_alter\_user\_last\_name\_max\_length... OK

Applying auth.0010\_alter\_group\_name\_max\_length... OK

Applying auth.0011\_update\_proxy\_permissions... OK

Applying auth.0012\_alter\_user\_first\_name\_max\_length... OK

Applying sessions.0001\_initial... OK

root@a4f1d29e79a5:/# python app/app/manage.py runserver 0.0.0.0:8000

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

October 08, 2022 - 04:04:26

Django version 4.1.2, using settings 'app.settings'

Starting development server at http://0.0.0.0:8000/

Quit the server with CONTROL-C.

[08/Oct/2022 04:04:29] "GET /admin/ HTTP/1.1" 302 0

[08/Oct/2022 04:04:29] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2218

[08/Oct/2022 04:04:29] "GET /static/admin/css/nav\_sidebar.css HTTP/1.1" 200 2619

[08/Oct/2022 04:04:29] "GET /static/admin/css/login.css HTTP/1.1" 200 958

[08/Oct/2022 04:04:29] "GET /static/admin/css/dark\_mode.css HTTP/1.1" 200 796

[08/Oct/2022 04:04:29] "GET /static/admin/css/base.css HTTP/1.1" 200 20344

[08/Oct/2022 04:04:29] "GET /static/admin/js/nav\_sidebar.js HTTP/1.1" 200 3763

[08/Oct/2022 04:04:29] "GET /static/admin/css/responsive.css HTTP/1.1" 200 18854

^Croot@a4f1d29e79a5:/python /app/app/manage.py createsuperuserer

Username (leave blank to use 'root'):

Email address: mona@mona.com

Password:

Password (again):

This password is too short. It must contain at least 8 characters.

This password is too common.

Bypass password validation and create user anyway? [y/N]: y

Superuser created successfully.

root@a4f1d29e79a5:/# python app/app/manage.py runserver 0.0.0.0:8000

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

October 08, 2022 - 04:05:36

Django version 4.1.2, using settings 'app.settings'

Starting development server at http://0.0.0.0:8000/

Quit the server with CONTROL-C.

[08/Oct/2022 04:05:39] "GET /admin/ HTTP/1.1" 302 0

[08/Oct/2022 04:05:39] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2218

[08/Oct/2022 04:05:39] "GET /static/admin/css/fonts.css HTTP/1.1" 304 0

[08/Oct/2022 04:05:40] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:05:40] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:05:41] "POST /admin/login/?next=/admin/ HTTP/1.1" 302 0

[08/Oct/2022 04:05:41] "GET /admin/ HTTP/1.1" 200 3579

[08/Oct/2022 04:05:41] "GET /static/admin/css/dashboard.css HTTP/1.1" 200 380

[08/Oct/2022 04:05:41] "GET /static/admin/img/icon-addlink.svg HTTP/1.1" 200 331

[08/Oct/2022 04:05:41] "GET /static/admin/img/icon-changelink.svg HTTP/1.1" 200 380

[08/Oct/2022 04:05:41] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 304 0

^Croot@a4f1d29e79a5:/ python /app/app/manage.py migrate

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/db/backends/postgresql/base.py", line 24, in <module>

import psycopg2 as Database

ModuleNotFoundError: No module named 'psycopg2'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

File "/app/app/manage.py", line 22, in <module>

main()

File "/app/app/manage.py", line 18, in main

execute\_from\_command\_line(sys.argv)

File "/usr/local/lib/python3.10/site-packages/django/core/management/\_\_init\_\_.py", line 446, in execute\_from\_command\_line

utility.execute()

File "/usr/local/lib/python3.10/site-packages/django/core/management/\_\_init\_\_.py", line 420, in execute

django.setup()

File "/usr/local/lib/python3.10/site-packages/django/\_\_init\_\_.py", line 24, in setup

apps.populate(settings.INSTALLED\_APPS)

File "/usr/local/lib/python3.10/site-packages/django/apps/registry.py", line 116, in populate

app\_config.import\_models()

File "/usr/local/lib/python3.10/site-packages/django/apps/config.py", line 269, in import\_models

self.models\_module = import\_module(models\_module\_name)

File "/usr/local/lib/python3.10/importlib/\_\_init\_\_.py", line 126, in import\_module

return \_bootstrap.\_gcd\_import(name[level:], package, level)

File "<frozen importlib.\_bootstrap>", line 1050, in \_gcd\_import

File "<frozen importlib.\_bootstrap>", line 1027, in \_find\_and\_load

File "<frozen importlib.\_bootstrap>", line 1006, in \_find\_and\_load\_unlocked

File "<frozen importlib.\_bootstrap>", line 688, in \_load\_unlocked

File "<frozen importlib.\_bootstrap\_external>", line 883, in exec\_module

File "<frozen importlib.\_bootstrap>", line 241, in \_call\_with\_frames\_removed

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/models.py", line 3, in <module>

from django.contrib.auth.base\_user import AbstractBaseUser, BaseUserManager

File "/usr/local/lib/python3.10/site-packages/django/contrib/auth/base\_user.py", line 49, in <module>

class AbstractBaseUser(models.Model):

File "/usr/local/lib/python3.10/site-packages/django/db/models/base.py", line 141, in \_\_new\_\_

new\_class.add\_to\_class("\_meta", Options(meta, app\_label))

File "/usr/local/lib/python3.10/site-packages/django/db/models/base.py", line 369, in add\_to\_class

value.contribute\_to\_class(cls, name)

File "/usr/local/lib/python3.10/site-packages/django/db/models/options.py", line 231, in contribute\_to\_class

self.db\_table, connection.ops.max\_name\_length()

File "/usr/local/lib/python3.10/site-packages/django/utils/connection.py", line 15, in \_\_getattr\_\_

return getattr(self.\_connections[self.\_alias], item)

File "/usr/local/lib/python3.10/site-packages/django/utils/connection.py", line 62, in \_\_getitem\_\_

conn = self.create\_connection(alias)

File "/usr/local/lib/python3.10/site-packages/django/db/utils.py", line 193, in create\_connection

backend = load\_backend(db["ENGINE"])

File "/usr/local/lib/python3.10/site-packages/django/db/utils.py", line 113, in load\_backend

return import\_module("%s.base" % backend\_name)

File "/usr/local/lib/python3.10/importlib/\_\_init\_\_.py", line 126, in import\_module

return \_bootstrap.\_gcd\_import(name[level:], package, level)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/postgresql/base.py", line 28, in <module>

raise ImproperlyConfigured("Error loading psycopg2 module: %s" % e)

django.core.exceptions.ImproperlyConfigured: Error loading psycopg2 module: No module named 'psycopg2'

root@a4f1d29e79a5:/# exit

exit

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % docker build -t my\_django .

[+] Building 1.1s (9/9) FINISHED

=> [internal] load build definition from Dockerfile 0.0s

=> => transferring dockerfile: 215B 0.0s

=> [internal] load .dockerignore 0.0s

=> => transferring context: 2B 0.0s

=> [internal] load metadata for docker.io/library/python:latest 1.0s

=> [internal] load build context 0.0s

=> => transferring context: 58B 0.0s

=> [1/4] FROM docker.io/library/python@sha256:fe068d8c06a719e26a1388c9d5c7c67d94923b0654ba89b0b7b5e518609e3304 0.0s

=> CACHED [2/4] COPY requirements.txt /tmp 0.0s

=> CACHED [3/4] RUN pip3 install -r /tmp/requirements.txt 0.0s

=> CACHED [4/4] WORKDIR /app 0.0s

=> exporting to image 0.0s

=> => exporting layers 0.0s

=> => writing image sha256:cf0126c8dfc6bb22411013968beaf66df2a4d8ab26188e3c327c65ab47e8fbe1 0.0s

=> => naming to docker.io/library/my\_django 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % docker run -it -p8000:8000 -v "$(pwd)/app:/app" my\_django /bin/bash

root@ad62ad090b9e:/app# python /app/app/manage.py migrate

Traceback (most recent call last):

File "/usr/local/lib/python3.10/site-packages/django/db/backends/base/base.py", line 282, in ensure\_connection

self.connect()

File "/usr/local/lib/python3.10/site-packages/django/utils/asyncio.py", line 26, in inner

return func(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/base/base.py", line 263, in connect

self.connection = self.get\_new\_connection(conn\_params)

File "/usr/local/lib/python3.10/site-packages/django/utils/asyncio.py", line 26, in inner

return func(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/postgresql/base.py", line 215, in get\_new\_connection

connection = Database.connect(\*\*conn\_params)

File "/usr/local/lib/python3.10/site-packages/psycopg2/\_\_init\_\_.py", line 122, in connect

conn = \_connect(dsn, connection\_factory=connection\_factory, \*\*kwasync)

psycopg2.OperationalError: could not translate host name "mydb" to address: Name or service not known

The above exception was the direct cause of the following exception:

Traceback (most recent call last):

File "/app/app/manage.py", line 22, in <module>

main()

File "/app/app/manage.py", line 18, in main

execute\_from\_command\_line(sys.argv)

File "/usr/local/lib/python3.10/site-packages/django/core/management/\_\_init\_\_.py", line 446, in execute\_from\_command\_line

utility.execute()

File "/usr/local/lib/python3.10/site-packages/django/core/management/\_\_init\_\_.py", line 440, in execute

self.fetch\_command(subcommand).run\_from\_argv(self.argv)

File "/usr/local/lib/python3.10/site-packages/django/core/management/base.py", line 402, in run\_from\_argv

self.execute(\*args, \*\*cmd\_options)

File "/usr/local/lib/python3.10/site-packages/django/core/management/base.py", line 448, in execute

output = self.handle(\*args, \*\*options)

File "/usr/local/lib/python3.10/site-packages/django/core/management/base.py", line 96, in wrapped

res = handle\_func(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/core/management/commands/migrate.py", line 114, in handle

executor = MigrationExecutor(connection, self.migration\_progress\_callback)

File "/usr/local/lib/python3.10/site-packages/django/db/migrations/executor.py", line 18, in \_\_init\_\_

self.loader = MigrationLoader(self.connection)

File "/usr/local/lib/python3.10/site-packages/django/db/migrations/loader.py", line 58, in \_\_init\_\_

self.build\_graph()

File "/usr/local/lib/python3.10/site-packages/django/db/migrations/loader.py", line 235, in build\_graph

self.applied\_migrations = recorder.applied\_migrations()

File "/usr/local/lib/python3.10/site-packages/django/db/migrations/recorder.py", line 81, in applied\_migrations

if self.has\_table():

File "/usr/local/lib/python3.10/site-packages/django/db/migrations/recorder.py", line 57, in has\_table

with self.connection.cursor() as cursor:

File "/usr/local/lib/python3.10/site-packages/django/utils/asyncio.py", line 26, in inner

return func(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/base/base.py", line 323, in cursor

return self.\_cursor()

File "/usr/local/lib/python3.10/site-packages/django/db/backends/base/base.py", line 299, in \_cursor

self.ensure\_connection()

File "/usr/local/lib/python3.10/site-packages/django/utils/asyncio.py", line 26, in inner

return func(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/base/base.py", line 281, in ensure\_connection

with self.wrap\_database\_errors:

File "/usr/local/lib/python3.10/site-packages/django/db/utils.py", line 91, in \_\_exit\_\_

raise dj\_exc\_value.with\_traceback(traceback) from exc\_value

File "/usr/local/lib/python3.10/site-packages/django/db/backends/base/base.py", line 282, in ensure\_connection

self.connect()

File "/usr/local/lib/python3.10/site-packages/django/utils/asyncio.py", line 26, in inner

return func(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/base/base.py", line 263, in connect

self.connection = self.get\_new\_connection(conn\_params)

File "/usr/local/lib/python3.10/site-packages/django/utils/asyncio.py", line 26, in inner

return func(\*args, \*\*kwargs)

File "/usr/local/lib/python3.10/site-packages/django/db/backends/postgresql/base.py", line 215, in get\_new\_connection

connection = Database.connect(\*\*conn\_params)

File "/usr/local/lib/python3.10/site-packages/psycopg2/\_\_init\_\_.py", line 122, in connect

conn = \_connect(dsn, connection\_factory=connection\_factory, \*\*kwasync)

django.db.utils.OperationalError: could not translate host name "mydb" to address: Name or service not known

root@ad62ad090b9e:/app# exit

exit

(base) monishagopal@Monishas-MacBook-Pro Class5\_6 % docker run -it -p8000:8000 --network my\_network -v "$(pwd)/app:/app" my\_django /bin/bash

root@83c434529968:/app# python /app/app/manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, contenttypes, sessions

Running migrations:

Applying contenttypes.0001\_initial... OK

Applying auth.0001\_initial... OK

Applying admin.0001\_initial... OK

Applying admin.0002\_logentry\_remove\_auto\_add... OK

Applying admin.0003\_logentry\_add\_action\_flag\_choices... OK

Applying contenttypes.0002\_remove\_content\_type\_name... OK

Applying auth.0002\_alter\_permission\_name\_max\_length... OK

Applying auth.0003\_alter\_user\_email\_max\_length... OK

Applying auth.0004\_alter\_user\_username\_opts... OK

Applying auth.0005\_alter\_user\_last\_login\_null... OK

Applying auth.0006\_require\_contenttypes\_0002... OK

Applying auth.0007\_alter\_validators\_add\_error\_messages... OK

Applying auth.0008\_alter\_user\_username\_max\_length... OK

Applying auth.0009\_alter\_user\_last\_name\_max\_length... OK

Applying auth.0010\_alter\_group\_name\_max\_length... OK

Applying auth.0011\_update\_proxy\_permissions... OK

Applying auth.0012\_alter\_user\_first\_name\_max\_length... OK

Applying sessions.0001\_initial... OK

root@83c434529968:/app# python app/app/manage.py runserver 0.0.0.0:8000

python: can't open file '/app/app/app/manage.py': [Errno 2] No such file or directory

root@83c434529968:/app# python /app/app/manage.py runserver 0.0.0.0:8000

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

October 08, 2022 - 04:17:58

Django version 4.1.2, using settings 'app.settings'

Starting development server at http://0.0.0.0:8000/

Quit the server with CONTROL-C.

[08/Oct/2022 04:18:48] "GET /admin/ HTTP/1.1" 302 0

[08/Oct/2022 04:18:48] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2218

[08/Oct/2022 04:18:48] "GET /static/admin/css/dark\_mode.css HTTP/1.1" 304 0

[08/Oct/2022 04:18:48] "GET /static/admin/css/base.css HTTP/1.1" 304 0

[08/Oct/2022 04:18:48] "GET /static/admin/css/nav\_sidebar.css HTTP/1.1" 304 0

[08/Oct/2022 04:18:48] "GET /static/admin/js/nav\_sidebar.js HTTP/1.1" 304 0

[08/Oct/2022 04:18:48] "GET /static/admin/css/login.css HTTP/1.1" 304 0

[08/Oct/2022 04:18:48] "GET /static/admin/css/responsive.css HTTP/1.1" 304 0

[08/Oct/2022 04:18:49] "GET / HTTP/1.1" 200 10681

[08/Oct/2022 04:18:49] "GET /static/admin/css/fonts.css HTTP/1.1" 304 0

[08/Oct/2022 04:18:49] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:18:49] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:18:49] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:20:03] "GET /admin/ HTTP/1.1" 302 0

[08/Oct/2022 04:20:03] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2218

[08/Oct/2022 04:20:17] "POST /admin/login/?next=/admin/ HTTP/1.1" 200 2378

[08/Oct/2022 04:20:21] "POST /admin/login/?next=/admin/ HTTP/1.1" 200 2378

[08/Oct/2022 04:24:02] "POST /admin/login/?next=/admin/ HTTP/1.1" 200 2378

[08/Oct/2022 04:24:02] "GET /static/admin/css/dark\_mode.css HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/css/nav\_sidebar.css HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/css/base.css HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/css/login.css HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/js/nav\_sidebar.js HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/css/responsive.css HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/css/fonts.css HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:24:02] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 304 0

[08/Oct/2022 04:25:17] "GET /admin/ HTTP/1.1" 302 0

[08/Oct/2022 04:25:17] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2218

[08/Oct/2022 04:25:17] "GET /static/admin/css/dark\_mode.css HTTP/1.1" 200 796

[08/Oct/2022 04:25:17] "GET /static/admin/js/nav\_sidebar.js HTTP/1.1" 200 3763

[08/Oct/2022 04:25:17] "GET /static/admin/css/nav\_sidebar.css HTTP/1.1" 200 2619

[08/Oct/2022 04:25:17] "GET /static/admin/css/responsive.css HTTP/1.1" 200 18854

[08/Oct/2022 04:25:17] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423

[08/Oct/2022 04:25:18] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 200 85692

[08/Oct/2022 04:25:18] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 200 85876

[08/Oct/2022 04:25:19] "POST /admin/login/?next=/admin/ HTTP/1.1" 200 2378

[08/Oct/2022 04:25:19] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 200 86184