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SPRINT-4

SCREEN SHOTS


1) DEPLOYING FLASK APPLICATION TO DOCKER CONTAINER

STEP-1 -BUILD A DOCKER IMAGE

```
Build an image from a Dockerfile

D:\Education\Personal expense tracker>docker build -t ibm_expense_tracker .
[+] Building 7.0s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 187B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/python:3.10.6                 2.2s
=> [auth] library/python:pull token for registry-1.docker.io                   0.0s
=> [1/5] FROM docker.io/library/python:3.10.6@sha256:745efd7b7e4aac9a8422bd8c62d8bc35a693e8979a240d29677cb03e6aa 0.0s
=> [internal] load build context                                                  0.4s
=> => transferring context: 248.82kB                                             0.4s
=> CACHED [2/5] WORKDIR /app                                                      0.0s
=> CACHED [3/5] COPY requirements.txt ./                                          0.0s
=> CACHED [4/5] RUN pip install -r requirements.txt                             0.0s
=> [5/5] COPY . .                                                                3.6s
=> exporting to image                                                            0.7s
=> => exporting layers                                                            0.6s
=> => writing image sha256:f0f6f8b25f135af9f055822ca101a18821bf073c1d86537a7c8d122a6e2146ee 0.0s
=> => naming to docker.io/library/ibm_expense_tracker                          0.0s
```


STEP-2 PUSH TO DOCKER HUB

 Search Docker Hub

Explore Repositories


mahe45 > Repositories > **ibm_expense_tracker** > sing 0 of private repository

General Tags Builds [more](#)

 Add a short description for this repository


The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.


[Update](#)

 **mahe45 /**

ibm_expense_tracker

Description

This repository does not have a description 

 Last pushed: a few seconds ago

[Public View](#)

Docker commands

To push a new tag to this repository,

```
docker push  
mahe45/ibm_expense_tracker:tagname
```


STEP-3 RUN THE DOCKER IMAGE

```
Select C:\Windows\System32\cmd.exe - docker run -p 5000:5000 ibm_expense_tracker
-> => writing image sha256:f0f6fbb25f135af0f955822ca01a18821b4073c1d80537a7c8d122a6e2146ee 0.0s
-> => naming to docker.io/library/ibm_expense_tracker 0.0s

D:\Education\Personal expense tracker>docker run -p 5000:5000 ibm_expense_tracker
ibm_db.DBConnection object at 0x7f9358c83410
connection successful...
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://172.17.0.1:5000
* Running on http://172.17.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 975-195-025
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET /static/css/home.css HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET /static/images/services.png HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET /static/js/home.js HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET /static/images/icons8-github-48.png HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET /static/images/icons8-linkedin-circled-50.png HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET /static/images/home_backImage.webp HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:42] "GET /static/images/img-1.png HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:11:44] "GET /favicon.ico HTTP/1.1" 404 -
172.17.0.1 - - [18/Nov/2022 08:12:15] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:12:16] "GET /static/css/home.css HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 08:12:16] "GET /static/images/services.png HTTP/1.1" 200 -
172.17.0.1 - - [18/Nov/2022 08:12:16] "GET /static/js/home.js HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 08:12:16] "GET /static/images/icons8-github-48.png HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 08:12:16] "GET /static/images/icons8-linkedin-circled-50.png HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 08:12:56] "GET /static/css/login.css HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 08:12:56] "GET /static/js/login.js HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 08:12:56] "GET /static/images/avatar.svg HTTP/1.1" 304 -
172.17.0.1 - - [18/Nov/2022 08:12:56] "GET /static/images/signup.jpg HTTP/1.1" 304 -
```