

Containerize the App

Creating Docker Image for Flask App

Team ID	PNT2022TMID48233
Project Name	PERSONAL EXPENSE TRACKER
Date	16-11-2022

```
Command Prompt - flask --debug run
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin>D:
D:\>cd DockerFiles
D:\DockerFiles>cd flask_with_form_and_docker-main
D:\DockerFiles\flask_with_form_and_docker-main>flask --debug run
* 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 http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 324-796-522
127.0.0.1 - - [16/Nov/2022 10:36:41] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 10:36:42] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [16/Nov/2022 10:37:32] "GET /create/ HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 10:37:32] "GET /create/ HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 10:38:58] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 10:39:00] "GET /create/ HTTP/1.1" 200 -
127.0.0.1 - - [16/Nov/2022 10:43:42] "POST /create/ HTTP/1.1" 302 -
127.0.0.1 - - [16/Nov/2022 10:43:42] "GET /?messages=Shyam+Mohan HTTP/1.1" 200 -

Activate Windows
Go to Settings to activate Windows.
```

```
Command Prompt - docker build -t flask_with_form_and_docker-main .
D:\Dockerfiles\flask_with_form_and_docker-main>docker build -t flask_with_form_and_docker-main .
[+] Building 2932.1s (11/11) FINISHED
-> [internal] load .dockerignore
-> [internal] load build definition from Dockerfile
-> [internal] load metadata for docker.io/library/python:3.10.6
-> [auth] library/python:pull token for registry-1.docker.io
-> [1/5] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a248d29677cb03e6aa91052
-> resolve docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a248d29677cb03e6aa91052
-> sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a248d29677cb03e6aa91052 2.35kB / 2.35kB
-> sha256:8d1f9e41cecafb32e8b5dfc6926a7958836d048070017dbf9c56d8f37ac13fca 2.22kB / 2.22kB
-> sha256:d25a66308b18283603ff696d7777bba5cd1b3126fb0be7d118b9574946bcf84 8.53kB / 8.53kB
-> sha256:1671565cc8df8c365c9b661d3fbc164e73d0f1fb0430c6179588428f99a9da2e 55.01MB / 55.01MB
-> sha256:3e04d13e55e7a4ef17ff21376f57fb95c7e1706931f8704aa99260968d81fee4 5.16MB / 5.16MB
-> sha256:fa9c7528c685216129e8e67bf362a7702e7b1daa585ab85546a41508830657d6 10.88MB / 10.88MB
-> sha256:53ad072f9cd16fc8eb93b182b20e758e11acc0ef60babef0bf1043c08de1001a 54.58MB / 54.58MB
-> sha256:d6b983117533b718374f1701ef593dd2afa6613c7908c6553be8e2a150e6448a 196.79MB / 196.79MB
-> sha256:d8092d56ded5476fe7c302256eb4dc6ff495ae8fb4dd28aa18dbcb7581e24a6c 6.29MB / 6.29MB
-> sha256:c71afc37d59adc44c5fd3c348504df82b35bbb204f0057ea22c6ac8a1d285a5 20.02MB / 20.02MB
-> sha256:864a1003c70453a08cb5fcd12fbaee1c07048f6365f0fa35e84a285413da40b 234B / 234B
-> sha256:4334b2fe8293d19ddc1c359091aae88f21601a7c85a11cda8c0c40fb6ed3c 3.04MB / 3.04MB
-> extracting sha256:1671565cc8df8c365c9b661d3fbc164e73d0f1fb0430c6179588428f99a9da2e 28.15s
-> extracting sha256:3e04d13e55e7a4ef17ff21376f57fb95c7e1706931f8704aa99260968d81fee4 4.8s
-> extracting sha256:fa9c7528c685216129e8e67bf362a7702e7b1daa585ab85546a41508830657d6 8.9s
-> extracting sha256:53ad072f9cd16fc8eb93b182b20e758e11acc0ef60babef0bf1043c08de1001a 40.2s
-> extracting sha256:d6b983117533b718374f1701ef593dd2afa6613c7908c6553be8e2a150e6448a 1624.5s
-> extracting sha256:d8092d56ded5476fe7c302256eb4dc6ff495ae8fb4dd28aa18dbcb7581e24a6c 122.5s
-> extracting sha256:c71afc37d59adc44c5fd3c348504df82b35bbb204f0057ea22c6ac8a1d285a5 93.1s
-> extracting sha256:864a1003c70453a08cb5fcd12fbaee1c07048f6365f0fa35e84a285413da40b 0.1s
-> extracting sha256:4334b2fe8293d19ddc1c359091aae88f21601a7c85a11cda8c0c40fb6ed3c 21.1s
-> [internal] load build context
-> transferring context: 11.48kB
-> [2/5] WORKDIR /app
-> [3/5] COPY requirements.txt ./
-> [4/5] RUN pip install -r requirements.txt
-> [5/5] COPY . .
-> exporting to image
-> exporting layers
-> writing image sha256:51e47716c763505ac806f9c8a437800ea048c5b9c0fde69f8410bdd0fb028ab
-> naming to docker.io/library/flask_with_form_and_docker-main
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
```

Add a New Message - FlaskApp

localhost:5000/create/

FLASKAPP

CREATE

ABOUT

Add a New Message

Title

Personal Expense Tracker

Message Content

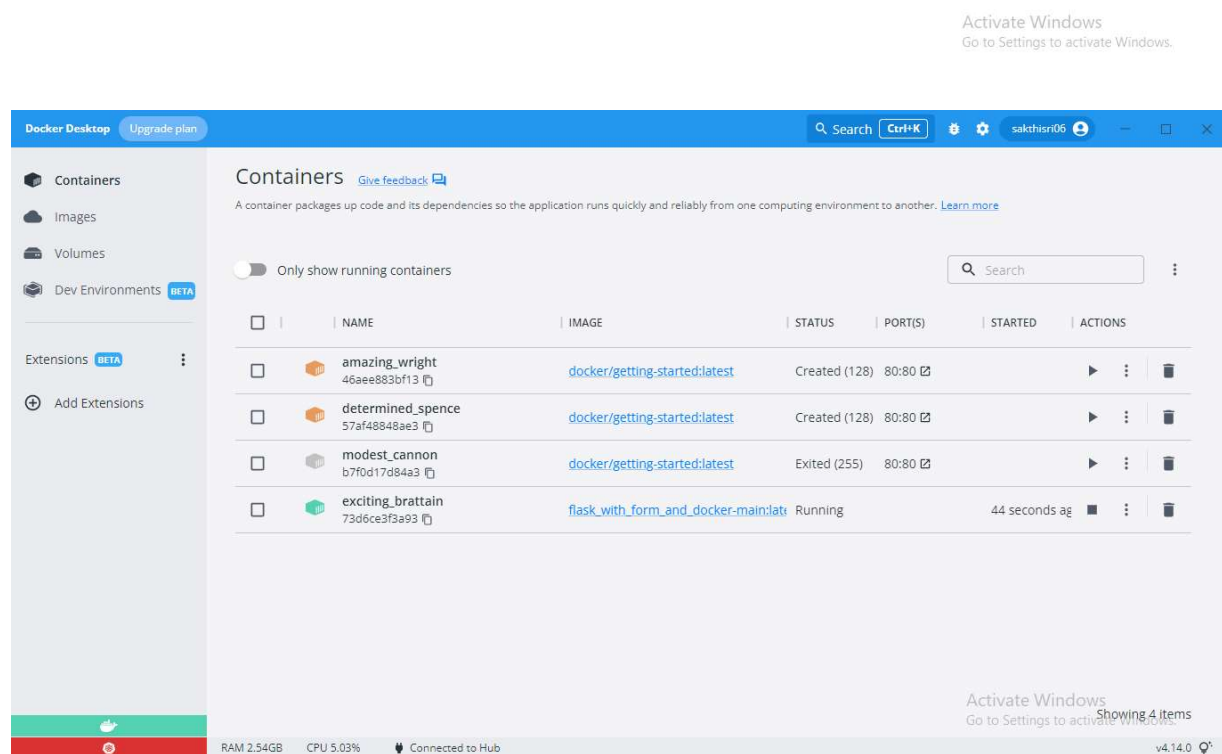
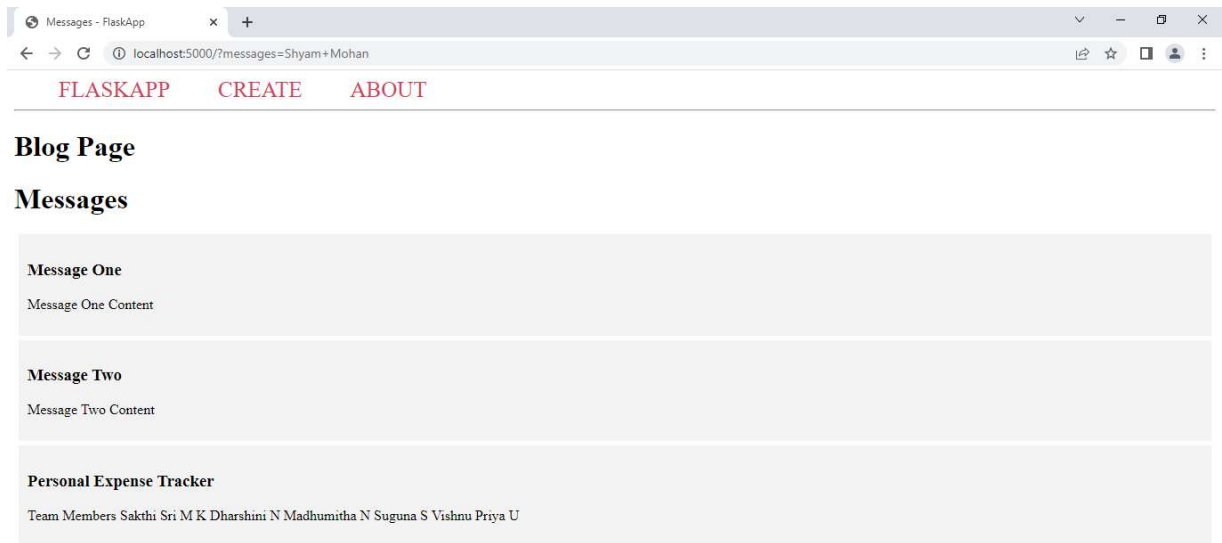
Team Members

Sakthi Sri H K
Dharshini N
Madhumitha N
Suguna S
Vishnu Priya U

Submit

Activate Windows

Go to Settings to activate Windows.



Docker Desktop

Upgrade plan

Search

Ctrl+K

sakthisri06

Containers

Images

Volumes

Dev Environments

Extensions

Add Extensions

Images

Give feedback

An image is a read-only template with instructions for creating a Docker container. [Learn more](#)

LOCAL

REMOTE REPOSITORIES

961.2 MB / 1.57 GB in use 16 images

Last refresh: about 23 hours ago

Search

	NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
<input type="checkbox"/>	flask_with_form_and_docker-main 51e47716c763	latest	In use	about 2 hours ago	932.42 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	sakthisri06/flask_with_form_and_docker-main 51e47716c763	latest	In use	about 2 hours ago	932.42 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	ubuntu a8780b506fa4	latest	Unused	14 days ago	77.79 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	nginx 76cd9feac34e	latest	Unused	22 days ago	141.78 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	hubproxy.docker.internal:5000/docker/desktop-kubernetes 09d7e1dbc2c4	kubernetes-v1	Unused	about 2 months ago	363.32 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	k8s.gcr.io/kube-apiserver 97801f839490	v1.25.2	Unused	about 2 months ago	127.73 MB	<div></div> <div></div> <div></div>

Showing 16 items

RAM 1.64GB CPU 0.23% Connected to Hub v4.14.0

Docker Desktop

Upgrade plan

Search

Ctrl+K

sakthisri06

Containers

Images

Volumes

Dev Environments

Extensions

Add Extensions

Images

Give feedback

An image is a read-only template with instructions for creating a Docker container. [Learn more](#)

LOCAL

REMOTE REPOSITORIES

961.2 MB / 1.57 GB in use 16 images

Last refresh: about 23 hours ago

Search

	NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
<input type="checkbox"/>	flask_with_form_and_docker-main 51e47716c763	latest	In use	about 2 hours ago	932.42 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	sakthisri06/flask_with_form_and_docker-main 51e47716c763	latest				<div></div> <div></div> <div></div>
<input type="checkbox"/>	ubuntu a8780b506fa4	latest	Unused	14 days ago	77.79 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	nginx 76cd9feac34e	latest	Unused	22 days ago	141.78 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	hubproxy.docker.internal:5000/docker/desktop-kubernetes 09d7e1dbc2c4	kubernetes-v1	Unused	about 2 months ago	363.32 MB	<div></div> <div></div> <div></div>
<input type="checkbox"/>	k8s.gcr.io/kube-apiserver 97801f839490	v1.25.2	Unused	about 2 months ago	127.73 MB	<div></div> <div></div> <div></div>

Showing 16 items

RAM 1.70GB CPU 0.70% Connected to Hub v4.14.0

