

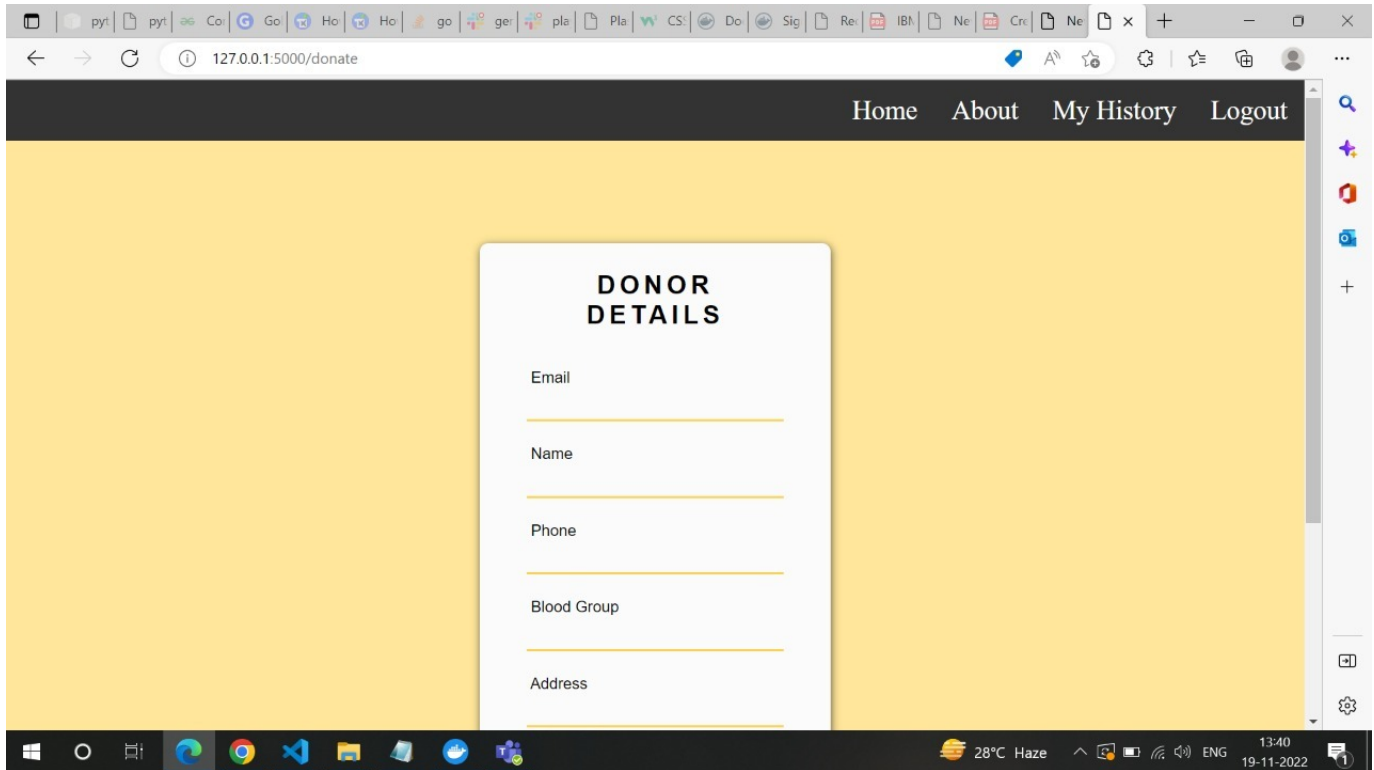
# Docker - Convert into Images and Container

```
dp@dp-Inspiron-3538:~/Downloads/ibm_main$ sudo docker build -t plasma_donor .
[sudo] password for dp:
Sending build context to Docker daemon 244.7kB
Step 1/9 : FROM python:3.9
--> 850f8694d221
Step 2/9 : RUN apt-get update
--> Using cache
--> 88eaf8bcac1f
Step 3/9 : RUN mkdir /app
--> Using cache
--> 03774b6c8786
Step 4/9 : WORKDIR /app
--> Using cache
--> 3a4d7d57630d
Step 5/9 : COPY . /app
--> Using cache
--> 576f4ac249a8
Step 6/9 : RUN pip install -r requirements.txt
--> Using cache
--> a3432e28934b
Step 7/9 : EXPOSE 5000
--> Using cache
--> b3842ae7ea1c
Step 8/9 : ENTRYPOINT [ "python" ]
--> Using cache
--> 415ea07563e0
Step 9/9 : CMD [ "app.py" ]
--> Using cache
--> f2b3149c4a3e
Successfully built f2b3149c4a3e
Successfully tagged plasma_donor:latest
```

The screenshot shows the Docker Desktop application window. The left sidebar contains navigation options: Containers, Images (selected), Volumes, Dev Environments (BETA), Extensions (BETA), and Add Extensions. The main panel is titled 'Images on disk' and shows '1 Images'. Below this, the 'Images' section is active, displaying a table of local images. The table has columns for NAME, TAG, IMAGE ID, CREATED, and SIZE. One image is listed: 'app' with tag 'latest', image ID '5878bafa13e0', created 'less than a minute ago', and size '1.11 GB'. At the bottom, there is a 'Connect to Remote Content' section with three items: 'Store and backup your images remotely', 'Unlock vulnerability scanning for greater security', and 'Collaborate with your team'. A 'Sign in' button is visible next to the second item. The status bar at the bottom shows 'RAM 3.41 GB', 'CPU 0.11%', and 'Not connected to Hub'.

NAME	TAG	IMAGE ID	CREATED	SIZE
app	latest	5878bafa13e0	less than a minute ago	1.11 GB

## Running on LocalHost:



## Pushing Docker Image To IBM Container Registry

```
dhara@INCHEL-CTF6BH2:/mnt/c/Users/c-dhaven$ docker push icr.io/plasma_donor/plasmadonorimage:v1
The push refers to repository [icr.io/plasma_donor/plasmadonorimage]
16ff8695e36a: Layer already exists
0196f5ff568c: Pushed
5f70bf18a086: Layer already exists
d57a8c52076c: Layer already exists
7aba4e2c026e: Pushed
bdc94073ef2: Layer already exists
c44cf16349ba: Layer already exists
22323d4bd802: Layer already exists
e6e9854ca999: Layer already exists
397a239a053b: Layer already exists
89c3244a87b2: Layer already exists
80231db1194c: Layer already exists
f1c1f2298584: Layer already exists
ccba29d69370: Layer already exists
v1: digest: sha256:1358f43a5d5864f6c3cf4754e533e5c6102ce1b5947671d25d7e28659067c3bf size: 3264
```