Install Open WebUI Docker Image

References:
- https://docs.openwebui.com/getting-started/quick-start/
- https://docs.openwebui.com/getting-started/quick-start/starting-with-ollama

Step 0: Pull the image

```
$ sudo docker pull dyrnq/open-webui
```

or

```
$ sudo docker pull ghcr.io/open-webui/open-webui:main
```

Step 0: Deploy admin scripts [OPTIONAL]

```
$ mkdir -p $HOME/bin/open-webui
$ cp start-open-webui.sh stop-open-webui.sh $HOME/bin/open-webui
```

Update .bashrc:

```
export PATH=$PATH:$HOME/bin/open-webui
```

Source .bashrc:

```
$ source ~/.bashrc
```

Step 1: Run on CPUs

For internal stuff:

```
$ mkdir -p /home/ml/open-webui
```

Run:

```
$ sudo docker run -d \
  -p 3000:8080 \
  --name open-webui \
  --restart always \
  -v /home/ml/open-webui:/app/backend/data \
  --add-host=host.docker.internal:host-gateway \
```

```
ghcr.io/open-webui/open-webui:main
```

or

> **INFO**
> Simply run `$ start-open-webui.sh` if you have deployed the provided script. See the script documentation for deploying it.

Step 1 bis: Run on GPUs

TODO

Access the UI

Visit **http://localhost:3000** with your browser.

Step 2: Create an Admin account

Fill the form and create an admin account.

Step 3: Connect to Ollama

Prerequisites
Since we need to connect both Ollama and Open WebUI, we need both containers to see each other in the same network:

1. Restart both containers:

```
$ stop-ollama.sh && start-ollama.sh
```

```
$ stop-open-webui.sh && start-open-webui.sh
```

What we have:

```
$ docker ps -a
CONTAINER ID            ...             NAMES
54e10f4b21a3            ...             open-webui
1296aed1d4ee            ...             ollama
...
```
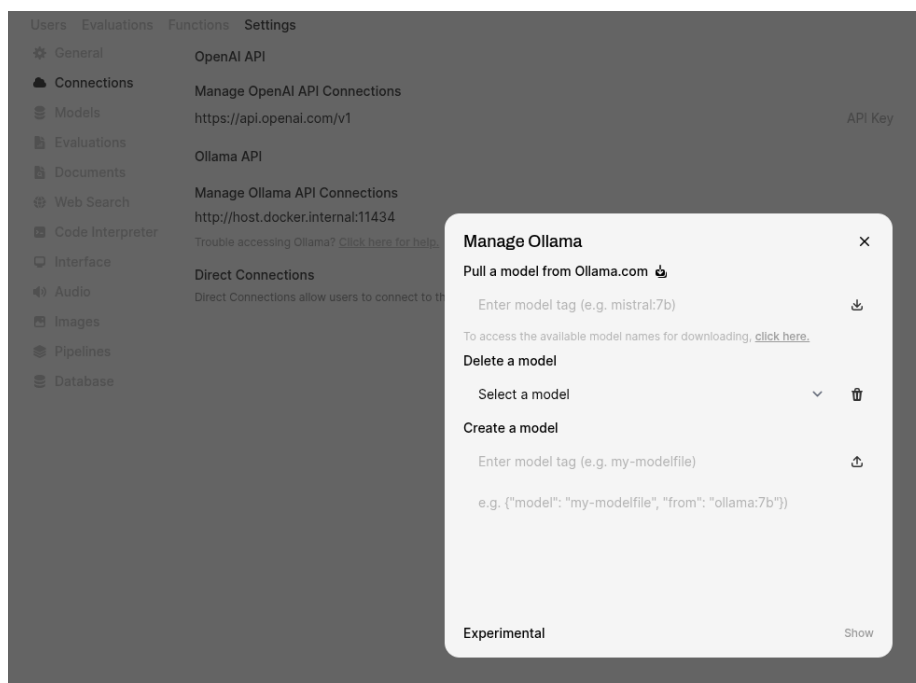
What is required to be done:

```
$ sudo docker network create mynetwork
$ sudo docker network connect mynetwork ollama
$ sudo docker network connect mynetwork open-webui
```

Now, login into OpenWebUI and click on your **Account icon** (e.g. Régis Kla) then **Settings** > **Admin Settings** > **Connections > Ollama** :
1. Set up the url : http://host.docker.internal:11434 (if it is not already setup)
2. Click **Manage** (down arrow in the right of the screen).
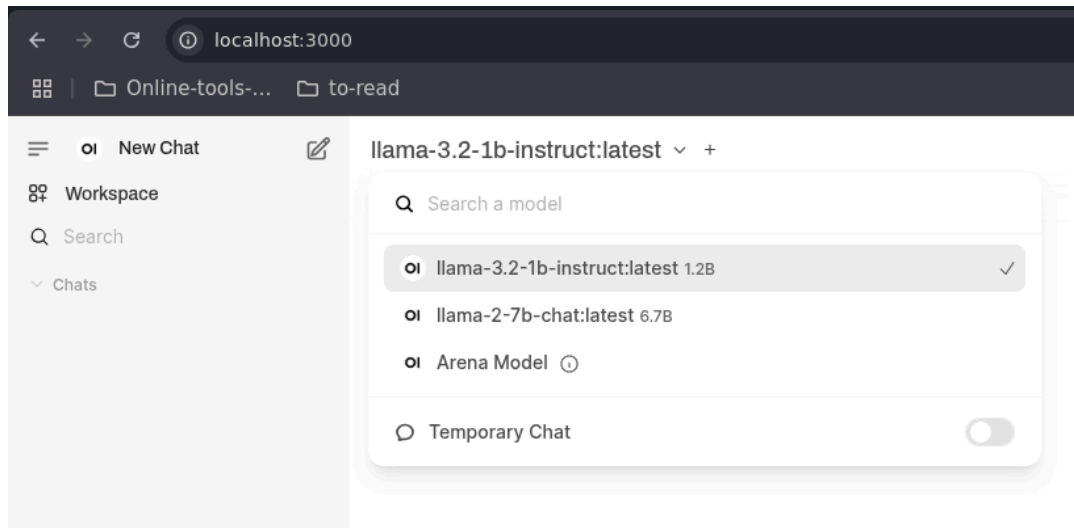   And list the existing models by clicking on **Select a model**:

Step 4: **Test one model served by Ollama**

Now it is time to send some questions to one of the models served by Ollama, using Open WebUI.

Select a model here:

Ask a question to the model:

Note: As one can see, the LLM provides the answer before I click on Send (the right up arrow button)

Step 5: Stop Open WebUI

```
$ docker stop open-webui ; docker rm open-webui
```

or simply **$ stop-open-webui.sh** if the provided script is deployed.

Troubleshooting

Contact the trainer.

END OF DOCUMENT.