

After it have started the container and returns me the terminal prompt. To verify the containers is running we can use “docker ps” command in the terminal (MAC OS).

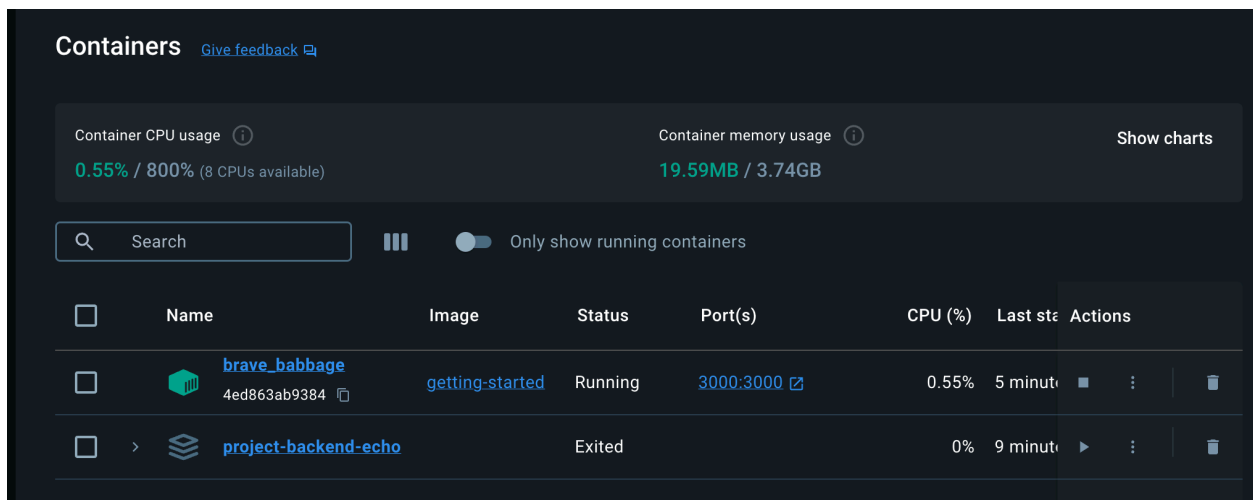
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS zsh + - [ ] [ ] ... ^ x

=> => extracting sha256:2750124feef8beb7a375cec939bb1cb5a3e87ca9df4f84e2057fe79bfb19870a 0.7s
=> => extracting sha256:52f6e1aafda6fab8d85731e9a6eb6b869d78fe9f22e90d85b2593feee3f7c68c 0.0s
=> => extracting sha256:5a5fe732514ffc18cd1fb39613d31222333a2f0a7f652caf551b1f3830c7ee9b 0.0s
=> [internal] load build context 0.1s
=> => transferring context: 6.48MB 0.1s
=> [2/4] WORKDIR /app 0.2s
=> [3/4] COPY . . 0.0s
=> [4/4] RUN yarn install --production 12.4s
=> exporting to image 0.4s
=> exporting layers 0.4s
=> writing image sha256:eaf3ad764eb4ee93ab5c70ebd46a59544693c4107b41ed7f401643fcf53dc892 0.0s
=> naming to docker.io/library/getting-started 0.0s

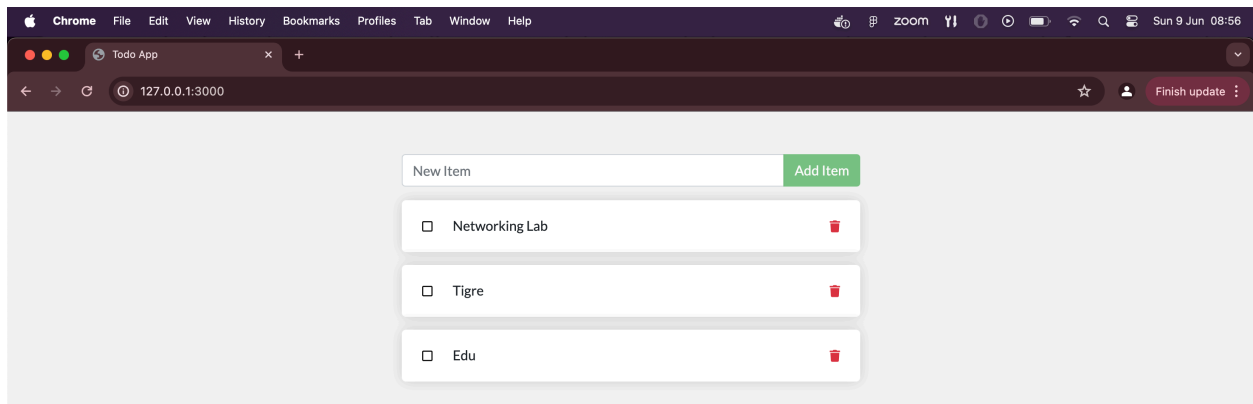
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/bhhz7366erdtoxbndbgdr03kv

What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview
● eduardoojeda@Eduardos-MacBook-Air getting-started-app % docker run -dp 127.0.0.1:3000:3000 getting-started
4ed863ab9384a5a05811165d712d140086a5eab16a4b29fc973e159ce09e19e3
● eduardoojeda@Eduardos-MacBook-Air getting-started-app % docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                  NAMES
4ed863ab9384   getting-started "docker-entrypoint.s..." 37 seconds ago Up 36 seconds 127.0.0.1:3000->3000/tcp brave_babbage
○ eduardoojeda@Eduardos-MacBook-Air getting-started-app %
```

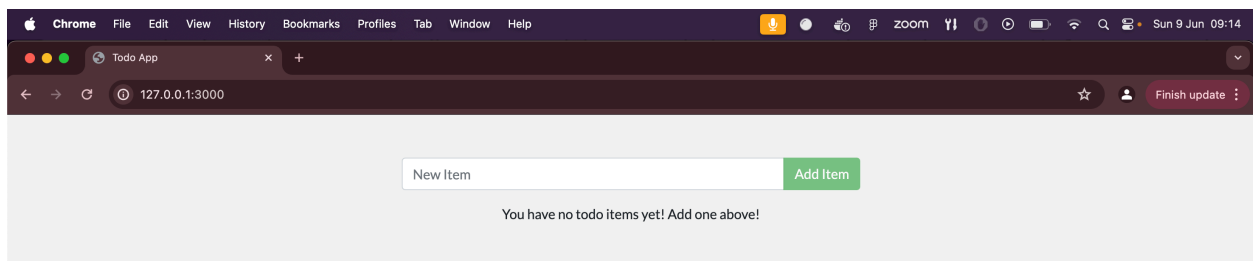
Also, we can verify in the docker dashboard.



Then we can click on the Ports showed in the docker dashboard or just open the browser to the localhost in the port 3000.



After update the app.js



Diving deep into the volume, we can know where the Docker is storing using the command “docker volume inspect todo-db” and the Mountpoint is the root of the location of the data on the disk.

```
eduardoojeda@Eduardos-MacBook-Air getting-started-app % docker volume inspect todo-db
[
  {
    "CreatedAt": "2024-06-09T21:26:00Z",
    "Driver": "local",
    "Labels": null,
    "Mountpoint": "/var/lib/docker/volumes/todo-db/_data",
    "Name": "todo-db",
    "Options": null,
    "Scope": "local"
  }
]
```

At this point we created a Networking and a container for the db.

```
zsh: command not found: nodemon
● eduardoojeda@Eduardos-MacBook-Air Redes-Dockers-Lab % docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
f10e2af9d8c7        bridge              bridge               local
fd0a4af8f362        host                host                 local
f0c9c0a3d07a        none                null                 local
d3f53d52a1af        project-backend-echo_default bridge               local
eff4d0e893ef        todo-app            bridge               local
● eduardoojeda@Eduardos-MacBook-Air Redes-Dockers-Lab % docker container ls
CONTAINER ID        IMAGE               COMMAND              CREATED             STATUS              PORTS              NAMES
f09205ed66c6        mysql:8.0          "docker-entrypoint.s..." 21 minutes ago      Up 21 minutes      3306/tcp, 33060/tcp friendly
mann
5409b9443ab0        getting-started     "docker-entrypoint.s..." 2 days ago          Up 22 minutes      127.0.0.1:3000->3000/tcp eloquent
f
4a9f568a6b7a        adminer            "entrypoint.sh php -..." 3 weeks ago         Up 29 minutes      0.0.0.0:8181->8080/tcp adminer
ccb89113fe19        arm64v8/postgres   "docker-entrypoint.s..." 3 weeks ago         Up 29 minutes      0.0.0.0:5432->5432/tcp database
○ eduardoojeda@Eduardos-MacBook-Air Redes-Dockers-Lab %
```

Finally, after setting up the compose with the .yaml we can run the container and automatically it will create the volume and the network.

```
● eduardoojeda@Eduardos-MacBook-Air getting-started-app % docker compose up
[+] Running 2/0
✓ Container getting-started-app-mysql-1 Running
✓ Container getting-started-app-app-1 Running
Attaching to app-1, mysql-1

Gracefully stopping... (press Ctrl+C again to force)
[+] Stopping 2/2
✓ Container getting-started-app-mysql-1 Stopped
✓ Container getting-started-app-app-1 Stopped
canceled
● eduardoojeda@Eduardos-MacBook-Air getting-started-app % docker container ls
CONTAINER ID        IMAGE               COMMAND              CREATED             STATUS              PORTS              NAMES
4a9f568a6b7a        adminer            "entrypoint.sh php -..." 3 weeks ago         Up 52 minutes      0.0.0.0:8181->8080/tcp adminer
ccb89113fe19        arm64v8/postgres   "docker-entrypoint.s..." 3 weeks ago         Up 52 minutes      0.0.0.0:5432->5432/tcp database
○ eduardoojeda@Eduardos-MacBook-Air getting-started-app %
```