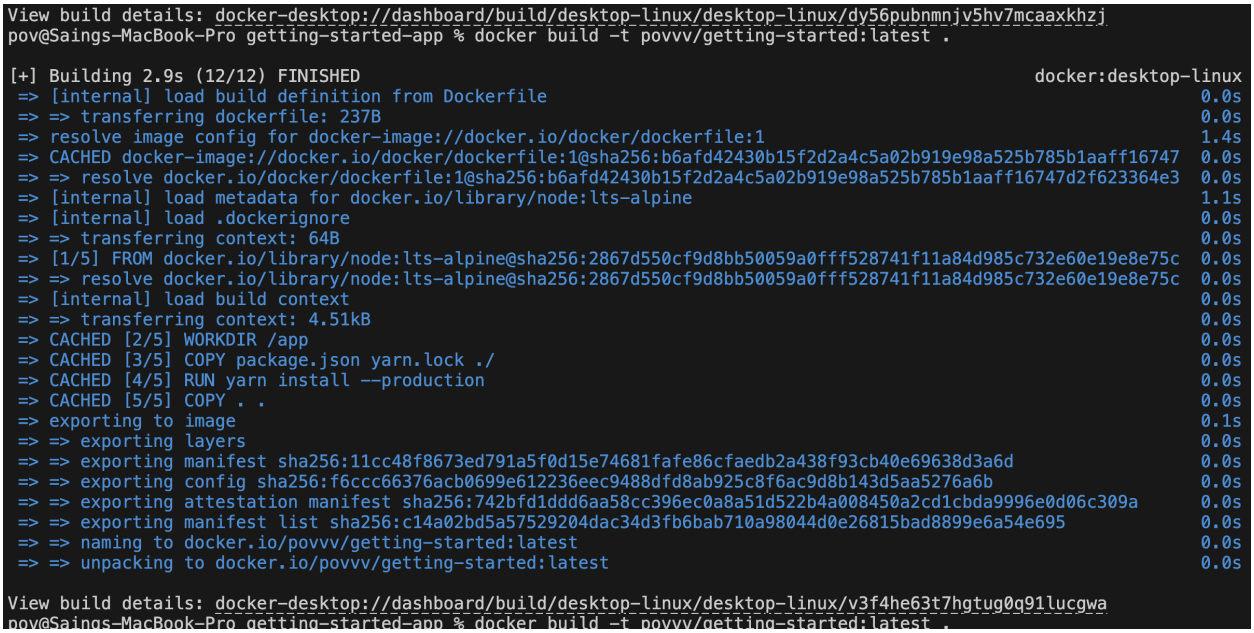
Lab 2: Docker

Name : Poch Sreypov

Group : 03

ID : 090161

- docker build completed successfully

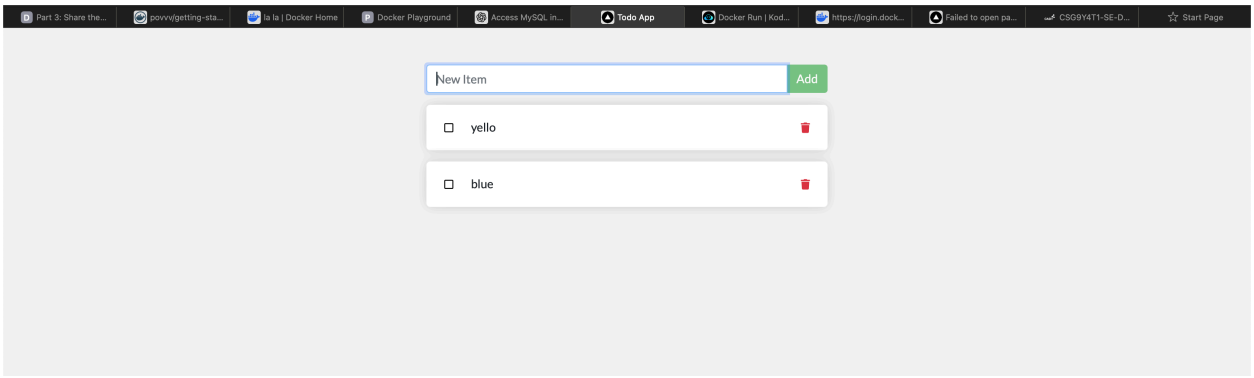


```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/dy56pubnmnjv5hv7mcaaxkhzj
pov@Saings-MacBook-Pro getting-started-app % docker build -t povvv/getting-started:latest .

[+] Building 2.9s (12/12) FINISHED                                                                  docker:desktop-linux
 => [internal] load build definition from Dockerfile                                                                0.0s
 => => transferring dockerfile: 237B                                                                                0.0s
 => resolve image config for docker-image://docker.io/docker/dockerfile:1                                           1.4s
 => CACHED docker-image://docker.io/docker/dockerfile:1@sha256:b6afd42430b15f2d2a4c5a02b919e98a525b785b1aaff16747   0.0s
 => => resolve docker.io/docker/dockerfile:1@sha256:b6afd42430b15f2d2a4c5a02b919e98a525b785b1aaff16747d2f623364e3   0.0s
 => [internal] load metadata for docker.io/library/node:lts-alpine                                                  1.1s
 => [internal] load .dockerignore                                                                                   0.0s
 => => transferring context: 64B                                                                                    0.0s
 => [1/5] FROM docker.io/library/node:lts-alpine@sha256:2867d550cf9d8bb50059a0fff528741f11a84d985c732e60e19e8e75c   0.0s
 => => resolve docker.io/library/node:lts-alpine@sha256:2867d550cf9d8bb50059a0fff528741f11a84d985c732e60e19e8e75c   0.0s
 => [internal] load build context                                                                                   0.0s
 => => transferring context: 4.51kB                                                                                 0.0s
 => CACHED [2/5] WORKDIR /app                                                                                       0.0s
 => CACHED [3/5] COPY package.json yarn.lock ./                                                                     0.0s
 => CACHED [4/5] RUN yarn install --production                                                                      0.0s
 => CACHED [5/5] COPY . .                                                                                           0.0s
 => exporting to image                                                                                              0.1s
 => => exporting layers                                                                                             0.0s
 => => exporting manifest sha256:11cc48f8673ed791a5f0d15e74681fafe86cfaedb2a438f93cb40e69638d3a6d                    0.0s
 => => exporting config sha256:f6ccc66376acb0699e612236eec9488dfd8ab925c8f6ac9d8b143d5aa5276a6b                     0.0s
 => => exporting attestation manifest sha256:742bfd1ddd6aa58cc396ec0a8a51d522b4a008450a2cd1cbda9996e0d06c309a       0.0s
 => => exporting manifest list sha256:c14a02bd5a57529204dac34d3fb6bab710a98044d0e26815bad8899e6a54e695              0.0s
 => => naming to docker.io/povvv/getting-started:latest                                                             0.0s
 => => unpacking to docker.io/povvv/getting-started:latest                                                          0.0s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/v3f4he63t7hgtug0q91lucgwa
pov@Saings-MacBook-Pro getting-started-app % docker build -t povvv/getting-started:latest .
```

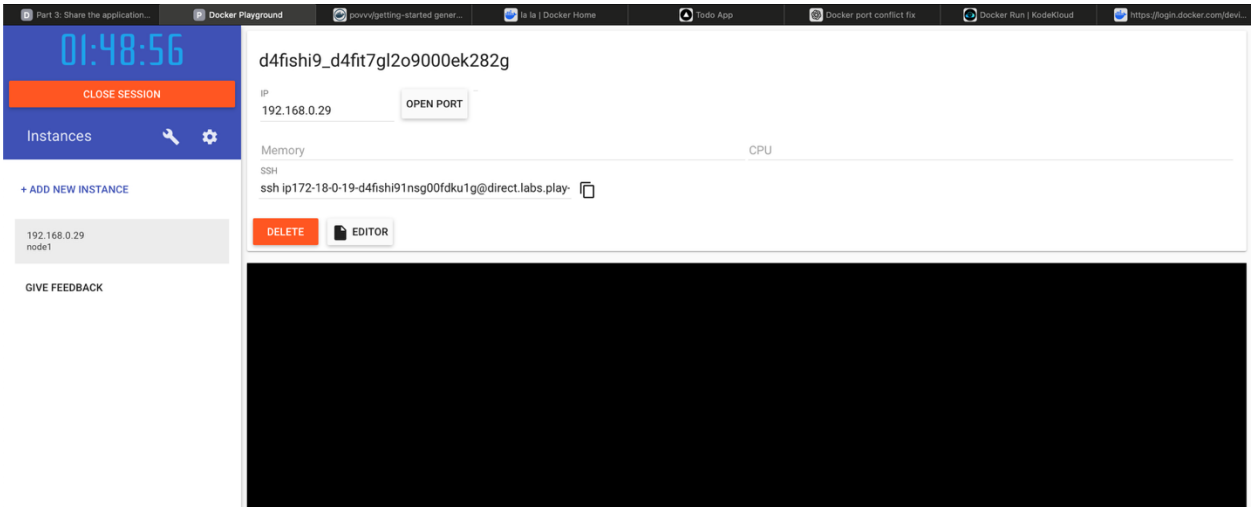
- docker images listing your image

```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/v3f4he63t7hgtug0g91lucgwa
pov@Saings-MacBook-Pro getting-started-app % docker images

REPOSITORY                              TAG          IMAGE ID       CREATED          SIZE
getting-started                         latest       d9ae3be7fb06   7 minutes ago    391MB
povvv/getting-started                   latest       c14a02bd5a57   7 minutes ago    391MB
1ads-nextjs                             latest       c40d6d01815c   4 days ago       1.29GB
node                                    lts-alpine   2867d550cf9d   7 days ago       226MB
ghcr.io/get-convex/convex-backend       latest       615b033647fe   3 weeks ago      733MB
ghcr.io/get-convex/convex-dashboard     latest       da8f8aeac2b4   3 weeks ago      1.16GB
mysql                                   8            b306273d4d36   4 weeks ago      1.08GB
mysql                                   8.0          f37951fc3753   4 weeks ago      1.07GB
ubuntu                                  latest       c35e29c94501   4 weeks ago      117MB
postgres                                17           b480430782a9   5 weeks ago      639MB
alpine                                  latest       4b7ce07002c6   6 weeks ago      12.8MB
minio/minio                             latest       14cea493d9a3   2 months ago     241MB
minio/mc                                latest       a7fe349ef4bd   2 months ago     117MB
anthias-anthias-nginx                   latest       e8d5acece239   4 months ago     242MB
anthias-anthias-celery                  latest       2c57a56ac165   4 months ago     2.07GB
anthias-anthias-websocket               latest       058181439aef   4 months ago     1.86GB
anthias-anthias-server                  latest       121d4af0cadd   4 months ago     2.33GB
anthias-dockerfile-image-builder        latest       9c3e0260621c   4 months ago     1.83GB
redis                                   alpine       d12963afb039   4 months ago     86.9MB
nicolaka/netshoot                       latest       7f08c4aff13f   5 months ago     853MB
pov@Saings-MacBook-Pro getting-started-app %
```

- docker run running your container and web app in a browser in both your local

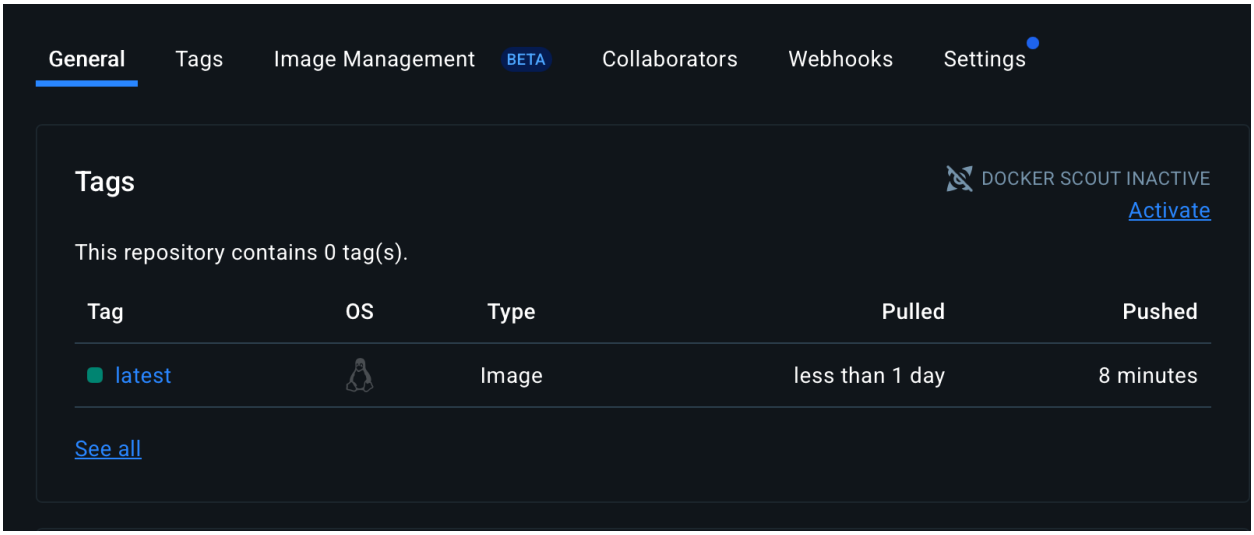


- machine and on ***Play With Docker***



- docker push output and your Docker Hub repo page

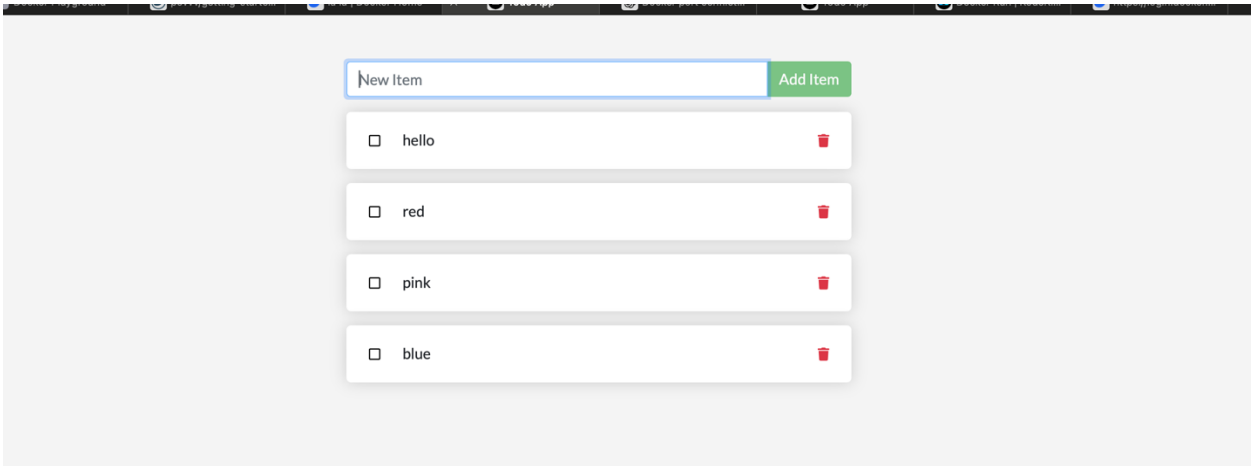
```
The push refers to repository [docker.io/povvv/getting-started]
0626d2392e5a: Pushed
02a2c8bebb00: Pushed
572392f439b9: Pushed
db4712ff08a2: Pushed
0c26cd80508a: Pushed
2d35ebdb57d9: Pushed
e731d1c17be0: Pushed
0ad6b75bfecf: Pushed
latest: digest: sha256:bfb4c6a11c5a46191232815c732387bb632d6353df0c50b1
1eec500f63b690db size: 856
pov@Saings-MacBook-Pro getting-started-app %
```



- docker ps showing multiple containers (for Compose)

```
pov@Saings-MacBook-Pro getting-started-app % docker-compose up -d

[+] Running 2/2
 ✔ Container getting-started-app-mysql-1  Started
 ✔ Container getting-started-app-app-1    Started
pov@Saings-MacBook-Pro getting-started-app %
```

- docker volume ls for persistence proof

```
 getting-started-app-app-1
pov@Saings-MacBook-Pro getting-started-app % docker volume ls

DRIVER    VOLUME NAME
local     1ads_data
local     1ads_minio_1ads_data
local     1ads_postgres_1ads_data
local     8accfd68feb37ffd60f92bdb100c77815cd145d24d957f171f5a91031231569e
local     028b0bd4deda6ce439d89c5ec3bf7f37129ddf9f3340caf923a307a673f6805b
local     anthias_anthias-data
local     daecf3ce75900710150a8d83ac2e8d37b605cb93cb87adda938a794ba30c78b5
local     e3e7e7968599ce4ed65441fc106de74f4361cc9fa4f182c306f780dd1f06b755
local     getting-started-app_todo-mysql-data
local     todo-db
local     todo-mysql-data
pov@Saings-MacBook-Pro getting-started-app %
```

- Browser view of the working app after Docker Compose up