

## Documented Steps on how to Run and Build this application

### FrontEnd

1. Create a file called Docker file in the Frontend folder root directory
2. Fill it with the commands needs to run the Docker file
3. Run the docker file using the command `# docker build -t todo-front .` # to build the application. NB this command will apply when you are running it in the terminal from the docker file
4. Create a network using `docker network create todo-network`
5. Run the command `# docker run --name todo-frontend --rm -d -p 5173:5173 --network todo-network` # to run the container and expose it on the port 5173 locally

### Backend

1. Create a file called Docker file in the Backend folder root directory
2. Fill it with the commands needs to run the Docker file
3. Run the docker file using the command `# docker build -t todo-back .` # to build the application. NB this command will apply when you are running it in the terminal from the docker file
4. Create a network using `docker network create todo-network`
5. Run the command `# docker run --name todo-backend --rm -d -p 3000:300 --network todo-network` # to run the container and expose it on the port 3000 locally as identified in the backend code

### Database

#### Run the command

```
docker run --name mongodb -v data:/data/db --rm -d --network todo-network mongo
```

This will setup the mongodb container on locally

These commands are local commands when not using docker compose

#### When using docker compose

Create a file called `docker-compose.yml` to start writing the services and volumes and all configuration in the file

#### Use the commands to build it

1. `Docker-compose up -d` to start the containers
2. `Docker-compose down` to stop the containers
3. `Docker-compose restart` to restart containers

Use the following to your advantages