Analyze the application - which Microservice best practices does it not follow?

The following aspects need to be improved in the application:

- The logs shouldn't written to a file, but to the container output.
- It should be stateless, so that:
 - it can easily be restarted without loss of data,
 - it is easy to spawn multiple instances of the application.
- Requirements installation should be moved from runtime to build time.
- App should be able to be executed both during development, with debugging enabled, and in production, with debugging disabled.
- The application should be built in such a way that the database can easily be replaced (development with production instance).

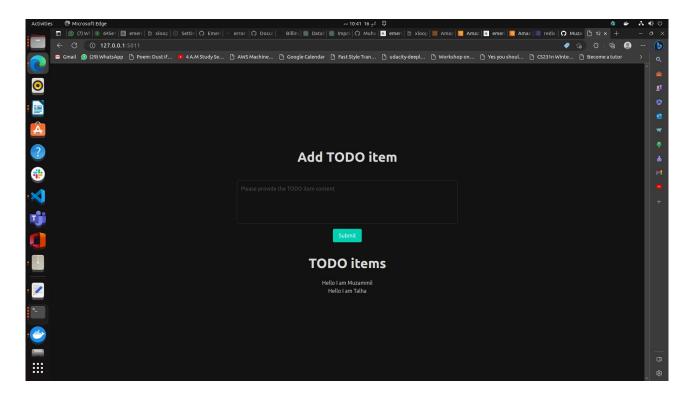
The logs output

```
muzammil@all-MS-7D35: -/Documents/Muzammil-Mehmood-2303.028... × muzammil@all-MS-7D35: -/Documents/Muzammil-Mehmood-2303.028... × v(base) v(base) muzammil@all-MS-7D35: -/Documents/Muzammil-Mehmood-2303.028... × v(base) v(ba
```

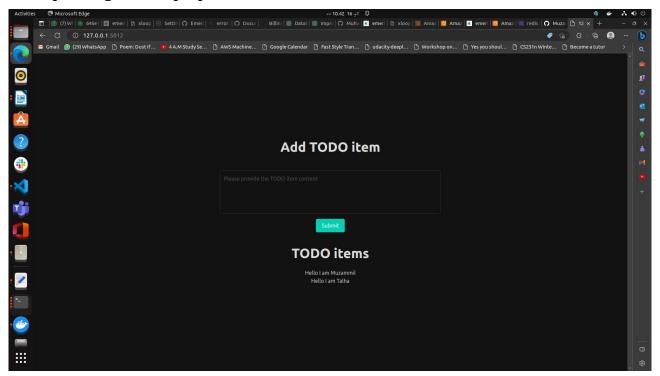
It is stateless as after stopping the docker container by using docker-compose down

```
muzammil@all-MS-7D35: -/Documents/Muzammil-Mehmood-2303.028... × muzammil@all-MS-7D35: -/Documents/Muzammil-Mehmood-2303.028... × vapp_2 | [2023-05-16 05:33:00 +0000] [8] [INFO] Booting worker with pid: 8 app_2 | 05:33:28,648 main INFO Added new item: Hello I am Muzammil app_2 | [2023-05-16 05:33:28,648] INFO in main: Added new item: Hello I am Muzammil app_2 | 05:33:35,747 main INFO Added new item: Hello I am Talha app_2 | [2023-05-16 05:33:35,747] INFO in main: Added new item: Hello I am Talha ACGracefully stopping... (press Ctrl+C again to force) Stopping 44bestpractices_app_2 ... done Stopping 44bestpractices_app_1 ... done (base) muzammil@all-MS-7D35: -/Documents/Muzammil-Mehmood-2303.028.KHI.DEG-/Week_4/4.4 Best Practices$ docker-compose down Removing 44bestpractices_app_1 ... done Removing 44bestpractices_app_1 ... done Removing network 44bestpractices_default (base) muzammil@all-MS-7D35: -/Documents/Muzammil-Mehmood-2303.028.KHI.DEG-/Week_4/4.4 Best Practices$ docker-compose up Creating network "44bestpractices_default" with the default driver WARNING: The "app" service specifies a port on the host. If multiple containers for this service are created on a single host, the port will clash.
```

It is still retaining the data



It is replicating on multiple ports,



Other things can be verify by seeing the code