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UNIT 4.4:

Browse to:

```
tasks/4_microservices_development/day_4_best_practices/app_that_doesnt_follow_best_practices/
```

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

Think about what needs to be improved first. Have a look at the areas_for_improvement.txt file for hints.

Improve the application.

Main.py:

```
app_that_doesnt_follow_best_practices > \( \infty \) main_py \( \infty \) save_todo_items \( \) (\( \text{Pot} \) con import joon

import joon
import os

from flask import Flask, render_template, request
from logging import StreamHandler

from config import Config

app = Flask(_name__)

# Load the configuration from the config class
app.config.from_object(Config)

# Load the logs to container output from streamHandler
root_logger = logging.getLogger()
root_logger = logging.getLogger()
root_logger = stetevel(logging.lNF0)

stream handler = $treamHandler()
root_logger.addHandler(stream_handler)

## TOOO_FILE_NAME = "/app/save_data/todo.json"
if os.path.exists(TOOO_FILE_NAME):

## TOOO_ITEMS = ]

## TOOO_ITEMS = ]

## TOOO_ITEMS = ]

## TOOO_ITEMS = []

## To
```

Docker-compose.yaml:

Added replicas for multiple instances of app/

Dockerfile:

Added volume for persist our data of app.

Config.py:

For easily change the env when needed.

```
Dockerfile  

docker-compose.yaml  

main.py  

config.py  

config.p
```

Terminal is showing our project is running in 5 replicas:

```
***measure finewall low. 2003 - why. & Dest practices foots, common sitellatory, that downst_follow_best_practices doctor-compose up
Creating network 'Sop that doctors [follow_best_practices doctor-compose up
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Creating network doctor-compose up
Creating ne
```

Frontend:

