

1. Frontend (Node.js with Express):

- Create a frontend using Express and Node.js.
- Include a form similar to the one from the Flask Assignment 2.
- Configure the form to send a request to the Flask backend.

• Backend (Flask):

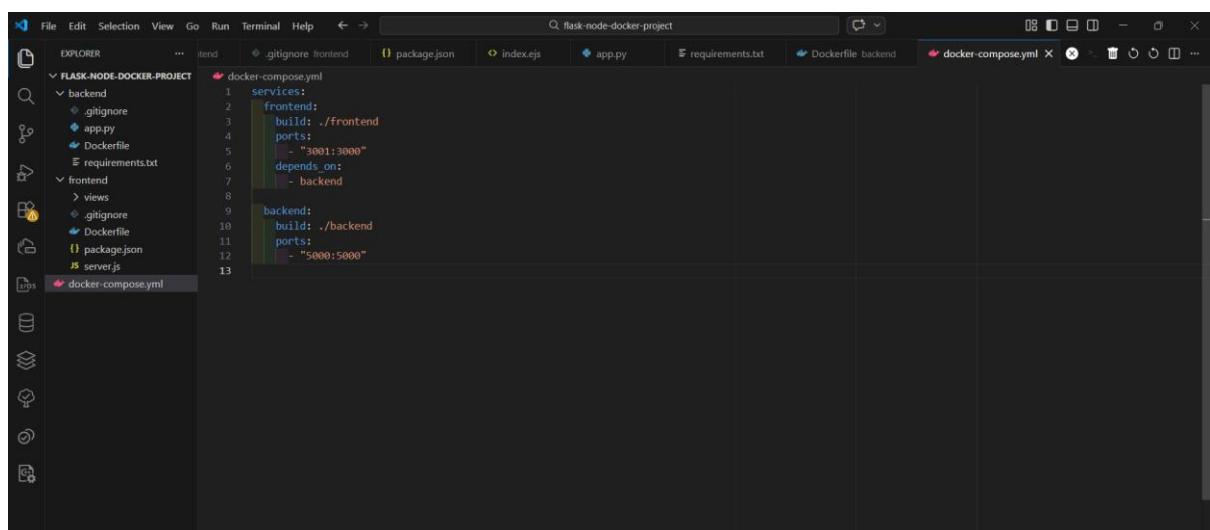
- Use the Flask backend to handle the form submission and process the data.

• Folder Structure:

- Organize the project with separate folders for the frontend and backend.

• Docker Configuration:

- Create a Dockerfile for both the frontend and backend.
- Write a .yaml file (Docker Compose) to connect both services in the same network.
- Upload both images to docker hub and push your whole code to github and add the node_modules and other non required files(.vscode) in .gitignore



```
Command Prompt - docker c + - x A A

#14 [backend] exporting to image
#14 exporting attestation manifest sha256:fd20fa14c6c9744c0fea8cac9f7a23ff2f941618c171e075c4be7780ccf15d54 0.1s done
#14 exporting manifest list sha256:9fdf449259aba25a51ef8195af77e0736bd186a64f711b046269d614512973110 0.0s done
#14 naming to docker.io/library/flask-node-docker-project-backend:latest done
#14 unpacking to docker.io/library/flask-node-docker-project-backend:latest
#14 unpacking to docker.io/library/flask-node-docker-project-backend:latest 0.1s done
#14 DONE 0.4s

#22 [frontend] resolving provenance for metadata file
#22 DONE 0.0s

#23 [backend] resolving provenance for metadata file
#23 DONE 0.0s
[*] up 5/5
✓ Image flask-node-docker-project-backend Built
✓ Image flask-node-docker-project-frontend Built
✓ Network flask-node-docker-project_default Created
✓ Container flask-node-docker-project-backend-1 Created
✓ Container flask-node-docker-project-frontend-1 Created
3.7s
3.7s
0.1s
0.1s
0.1s
0.1s

Attaching to backend-1, frontend-1
backend-1 |   Serving Flask app 'app'
backend-1 | * Debug mode: off
backend-1 | WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
backend-1 | * Running on http://127.0.0.1:5000
backend-1 | * Running on http://172.18.0.1:5000
backend-1 | * Running on http://172.18.0.2:5000
backend-1 | Press CTRL+C to quit
frontend-1 | Frontend running on port 3000
| View in Docker Desktop  View Config  Enable Watch  Detach
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