

# DevOps Assignment Report

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## Issues Identified

### 1. Dockerfile Errors:

- Incorrect EXPOSE syntax ("eight thousand").
- Misspelled command ("pythn" instead of "python").

### 2. Nginx Build Failure:

- Non-existent image tag (nginx:latests instead of nginx:latest).
- Missing html directory for the COPY command.

### 3. Access Logs Confirmation:

- Unable to verify successful requests due to setup issues.

## Resolution Steps

### 1. Dockerfile Corrections:

- Updated EXPOSE to EXPOSE 8000.
- Fixed command to CMD ["python", "app.py"].

### 2. Nginx Dockerfile Fix:

- Changed base image to nginx:latest.
- Created the missing html directory and ensured proper files were included.

### 3. Building and Running:

- Rebuilt images with docker-compose build.
- Launched containers using docker-compose up.

### 4. Application Verification:

- Accessed the application at <http://localhost:80> and verified functionality.