

Setup

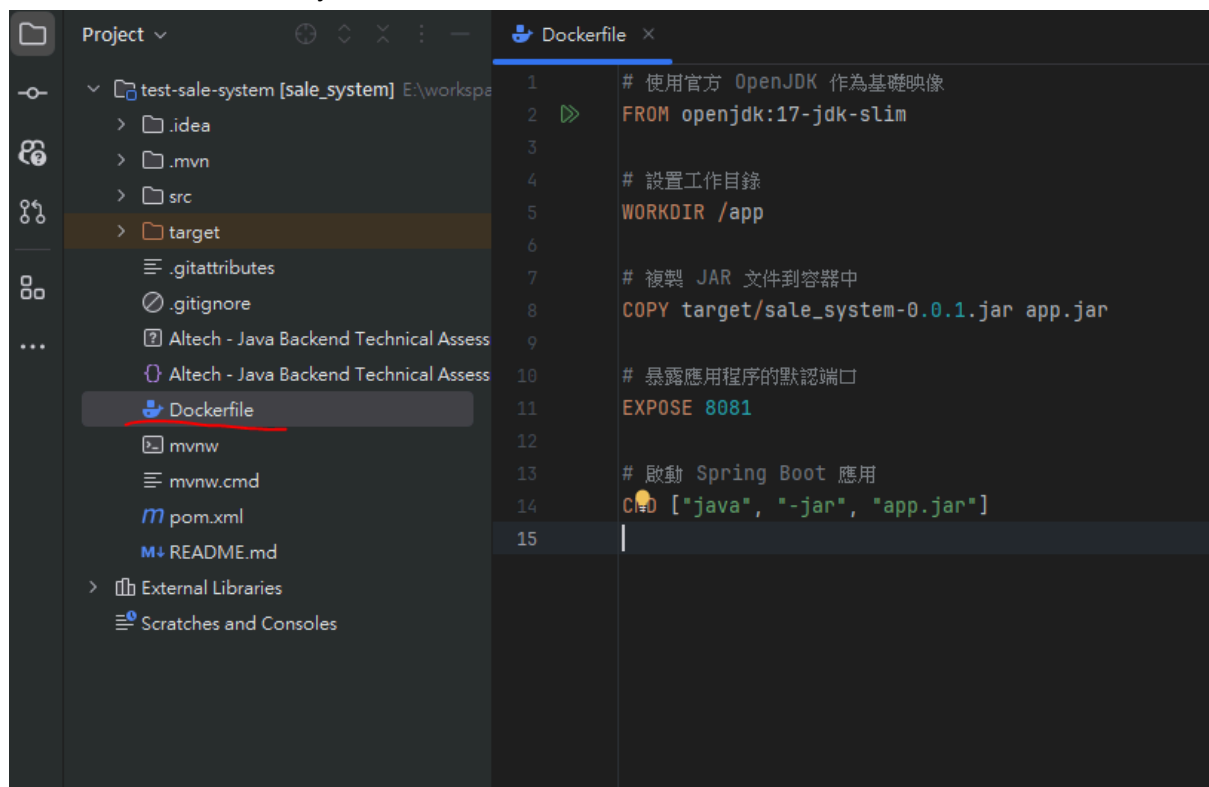
Please make sure to install Docker and start Docker running.

Build the Docker Image

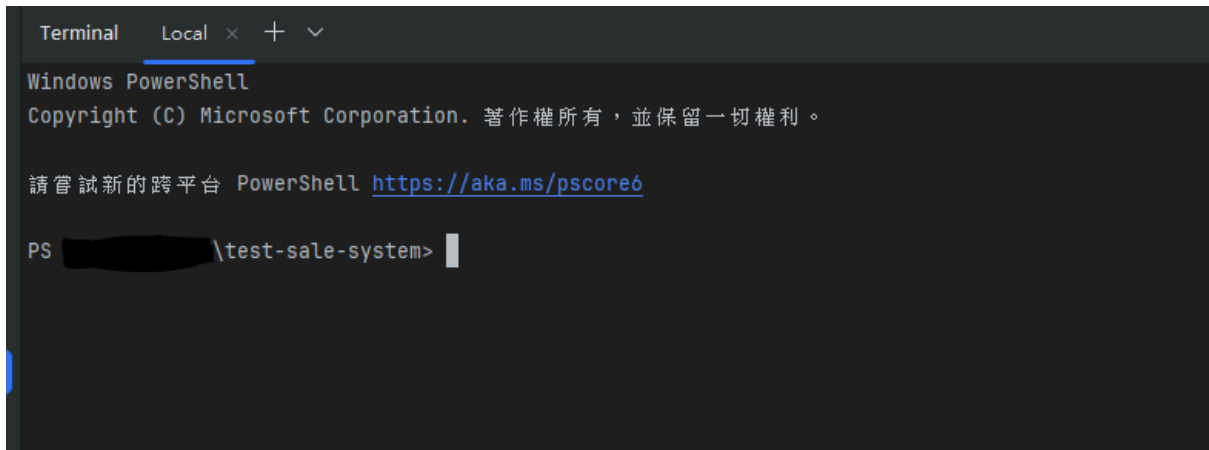
Setup Dockerfile

```
FROM openjdk:17-jdk-slim
WORKDIR /app
COPY target/sale_system-0.0.1.jar app.jar
EXPOSE 8081
CMD ["java", "-jar", "app.jar"]
```

File address \test-sale-system\ Dockerfile



Open Terminal (Mac or linux) or CMD(windows) or PowerShell(windows). More to project root folder address.



```
Terminal Local x + v
Windows PowerShell
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請嘗試新的跨平台 PowerShell https://aka.ms/powershell

PS [redacted] \test-sale-system>
```

Run the following command to build the Docker image based on your Dockerfile:
“docker build -t sale-system-app .”

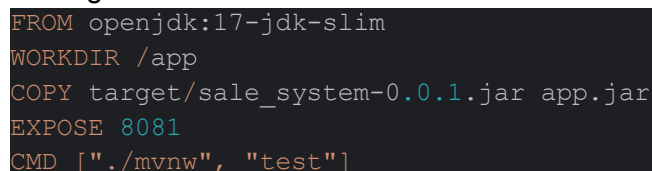
Run the Docker Container

Use the following command to start the application:
“docker run -p 8081:8081 sale-system-app”

The application will be available at <http://localhost:8081>.

Run the Tests

Using Docker to run the tests inside a Docker container need yo update the Dockerfile for Testing



```
FROM openjdk:17-jdk-slim
WORKDIR /app
COPY target/sale_system-0.0.1.jar app.jar
EXPOSE 8081
CMD [\"./mvnw\", \"test\"]
```

Build the Test Image

“docker build -t sale-system-tests .”

Run the Tests in the Container

Execute the tests by running the following command:
“docker run sale-system-tests”