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Java Docker Build and Run Setup

This repository provides a Docker setup for building and running a Java application inside a container. The application is built using Maven and We also use external Jars files that store in the libs directory

Project Structure

Dockerfile Overview

The Dockerfile performs the following tasks:

1. Build Stage:

- Uses a base image with Maven and JDK installed.
- o Copies your source code into the container.
- Runs mvn clean package to build the Java application and generate the JAR file in the target folder.

2. Runtime Stage:

- Copies the generated JAR file from the build stage to the runtime image.
- Copies libs (with all the dependencies) folder into the runtime image
- Sets the entry point to run the Java application.

Building the Docker Image

- 1. Ensure Maven is installed and configured.
- 2. Build the image using the following command:

Give desired name to your image

```
docker build -t my-java-app .
```

3. Once the image is built, run it:

```
docker run my-java-app
```

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