

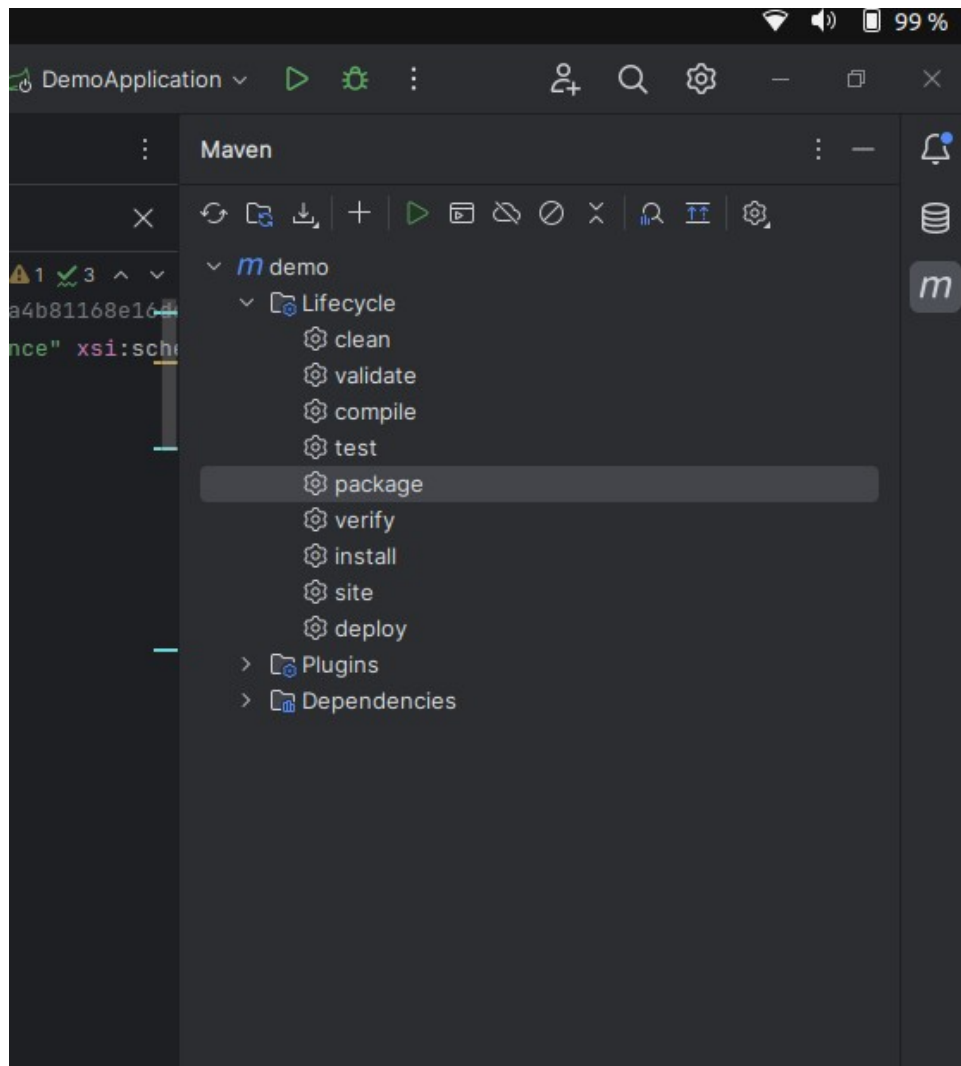
Developer set up and maintenance guide

1. use intellij to clone the project from gitlab:

git@gitlab.com:wgu-gitlab-environment/student-repos/dfrida4/d424-software-engineering-capstone.git

Here is a tutorial. [clone project tutorial](#).

2. Open the maven tab in intellij ultimate and open the lifecycle folder. Double click on the **clean** and **package** lifecycle tasks. This will cause an updated jar file to be generated in the 'target' folder.



3. Open a linux terminal and navigate to the root directory of the project.
4. Build an updated linux image using the Dockerfile included in the project folder. Execute these command in the root directory of the project:

Build the image

'sudo docker build -t <imagename>:<yourtag>'

Run the image

'sudo docker run -p 8080:8080 <imagename>'

5. The application will be running in a docker container and serving html on localhost:8080. Open a browser and enter **localhost:8080** for the url.
6. Register yourself at the register page.
7. Login with your credentials from step 5.
8. Proceed to develop, maintain, and enhance the app. Repeat steps 2 though 5 anytime code changes are made.

```
dj@dj-HP-ProBook-445-G8-Notebook-PC:~/IdeaProjects/d287-java-frameworks$ sudo docker build -t capsone:latest .
[sudo] password for dj:
Sending build context to Docker daemon 63.53MB
Step 1/4 : FROM openjdk:20
--> 90688df26b65
Step 2/4 : COPY target/demo-0.0.1-SNAPSHOT.jar /demo.jar
--> Using cache
--> 5c7121dd3e56
Step 3/4 : EXPOSE 8080
--> Using cache
--> 89613e3f60f9
Step 4/4 : CMD ["java", "-jar", "/demo.jar"]
--> Using cache
--> 26c8fff7477a
Successfully built 26c8fff7477a
Successfully tagged capsone:latest
dj@dj-HP-ProBook-445-G8-Notebook-PC:~/IdeaProjects/d287-java-frameworks$ sudo docker build -t capsone:latest .
```

```
Successfully tagged capsone:latest
```

```

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:: Spring Boot ::                                (v2.6.6)

```

```

023-09-30 22:39:24.324 INFO 1 --- [           main] com.example.demo.DemoApplication      : Starting DemoA
023-09-30 22:39:24.326 INFO 1 --- [           main] com.example.demo.DemoApplication      : No active prof
023-09-30 22:39:24.825 INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping
023-09-30 22:39:24.873 INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Sprin
023-09-30 22:39:25.283 INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initial

```

