Docker Assignment

[Github link: https://github.com/shubham8596/DockerAssignment]

Software/Plugins/Language Used:

- Java
- Spring Boot
- Mysql
- Postman
- Docker
- STS (Spring Tool Suite)

Implementation:

- Created Spring boot maven project.
- Added required dependencies in pom.xml. E.g mysql dependency.
- Created Controller, Service, POJO classes and Repository Interface
- In services, added CRUD Operations.
- Implemented response message handling.
- Added configuration for mysql database and hibernate in 'application.properties' file.
- Then 'Maven clean' and 'Maven Install' to create 'war' file.
- Write Dockerfile which contain all code and mysql.

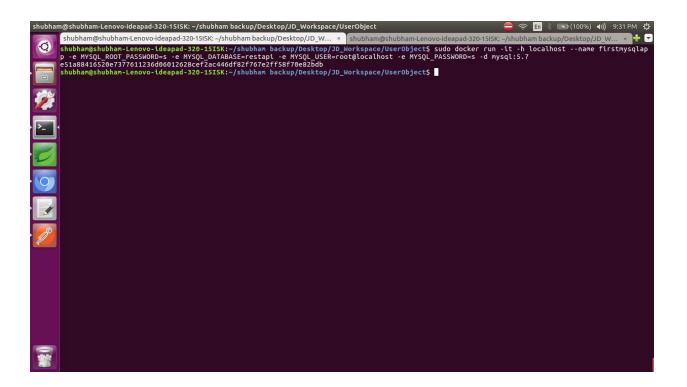
Steps to run code:

• Pull Mysql image:

sudo docker pull mysql:5.7

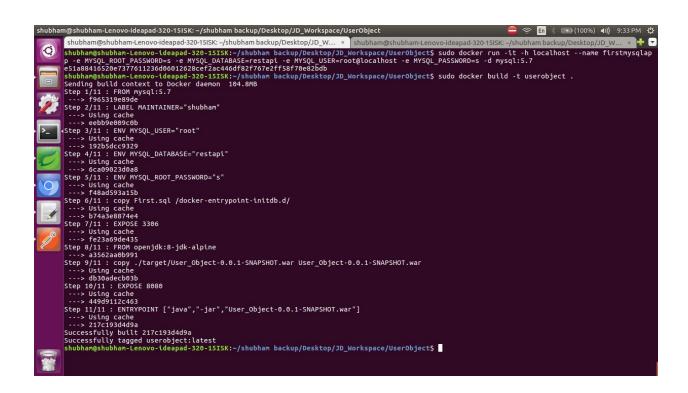
Run Mysql Container :

sudo docker run -it -h localhost --name firstmysqlapp -e MYSQL_ROOT_PASSWORD=s -e MYSQL_DATABASE=restapi -e MYSQL_USER=root@localhost -e MYSQL_PASSWORD=s -d mysql:5.7



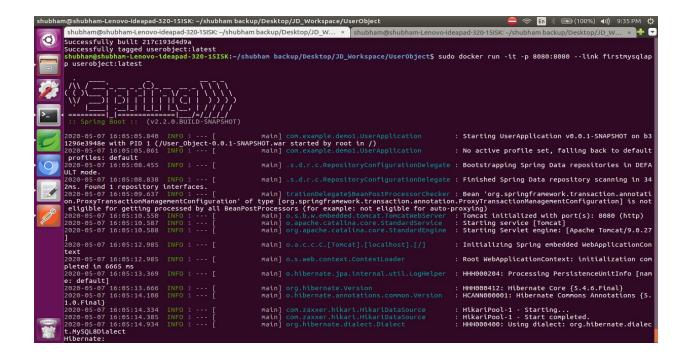
• Build Dockerfile:

sudo docker build -t userobject.



• Run Dockerfile:

sudo docker run -it -p 8080:8080 --link firstmysqlapp userobject:latest



Flow Diagram:

