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| --- | --- |
| Student Name | Sameer Sharma |
| Course Name | Caltech Coding Bootcamp |
| Cohort Information | CB FSD OCT 2024 COHORT 1 |
| Course # | 4 |
| Course Title | Integration and Deployment |
| Project | Course-end Project 1 – Dr. Shawn’s pet clinic |

# Problem Statement

Dr. Shawn runs a pet clinic. He needs to record the visits and other details associated with the pets and their owners visiting his clinic. He has software developed by Bella Solutions to manage it.

Bella Solutions aims to host the software solution for Dr. Shawn on an AWS EC2 instance to have online access from anywhere by building a CI CD Pipeline and containerizing the solution using

Docker on AWS EC2.

### Architecture

Eureka Server

Micro-Service #1 – Pet Clinic

Database – None

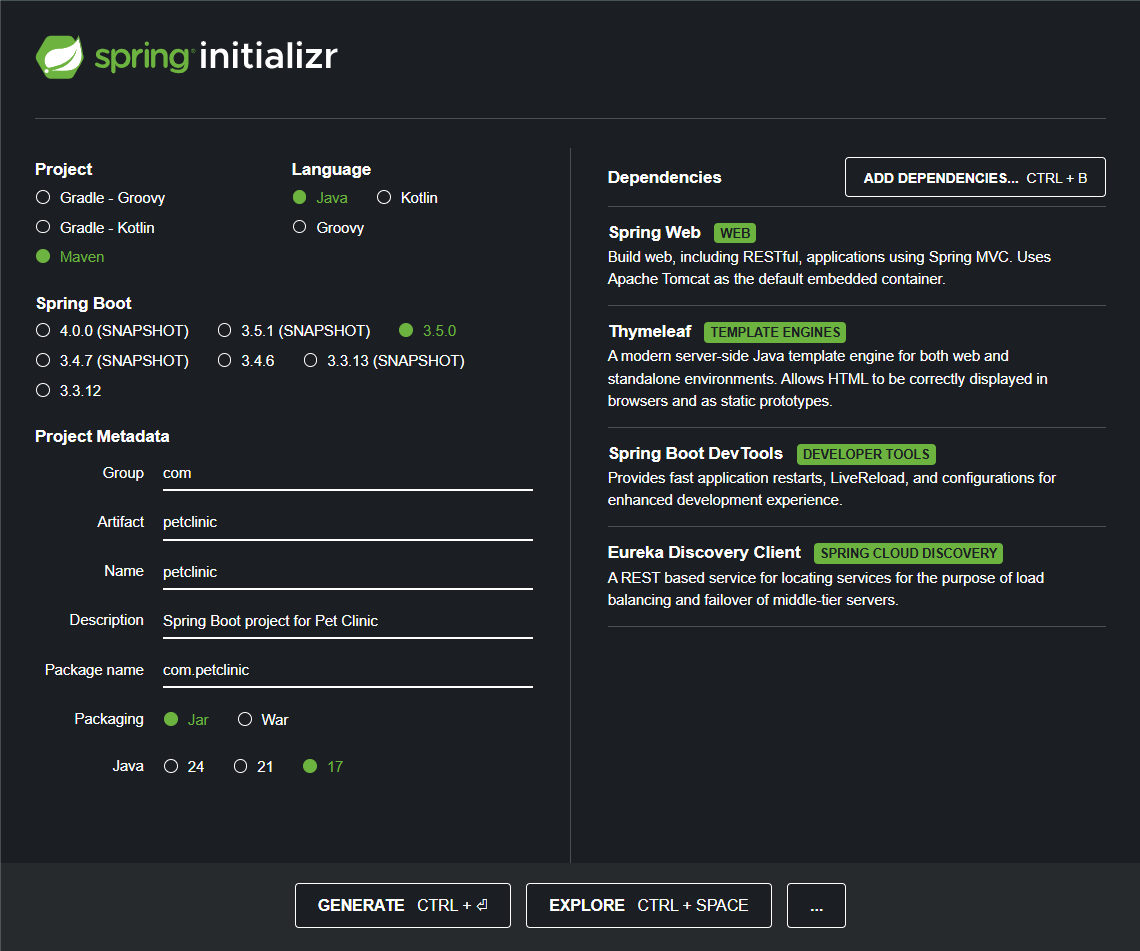
View Technology – Thymeleaf

### Project Details

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| --- | --- |
| Projects | Port Numbers |
| Eureka server | 8761 |
| Pet clinic micro-service | 8762 |

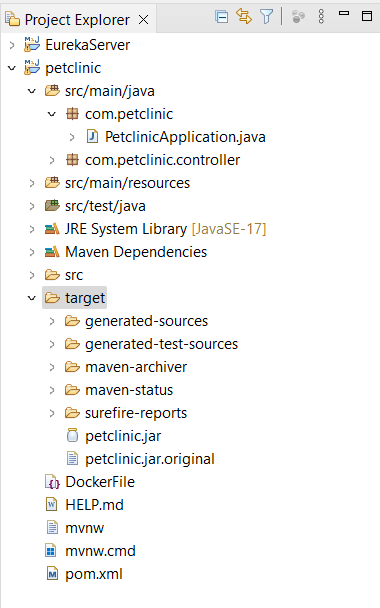
### Eureka Server

### Pet Clinic Project

  
Docker File

|  |
| --- |
| FROM openjdk:17  COPY ./target/petclinic.jar  CMD [“java”, “-jar”, “petclinic.jar”] |

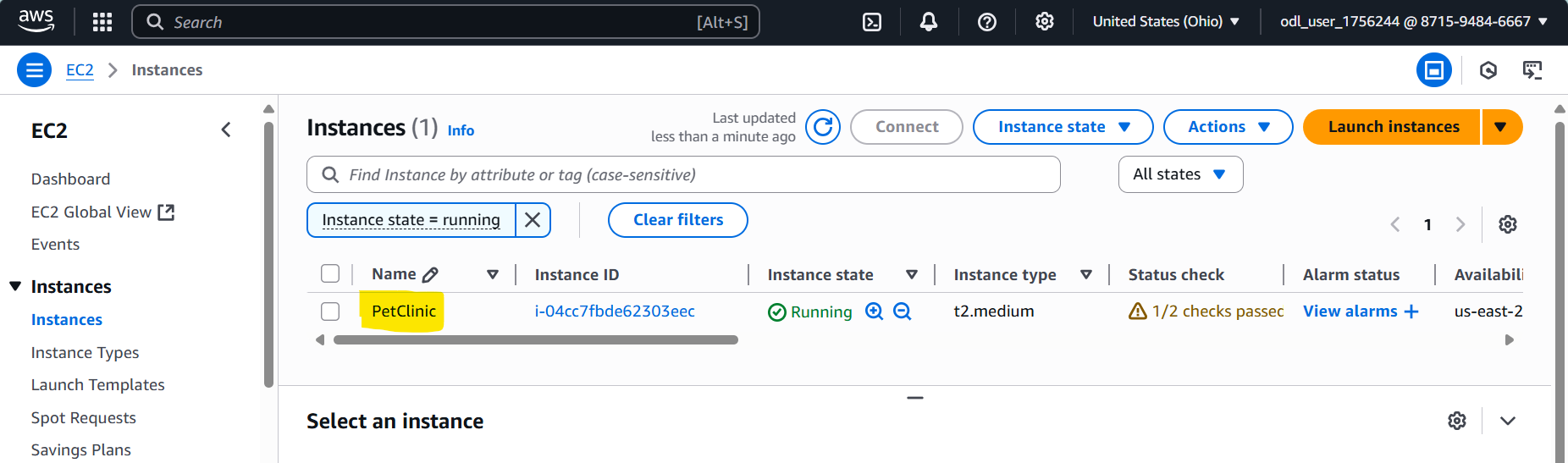
Dockerfile screenshot



docker-compose.yml file

|  |
| --- |
| version: "3.8"  services:  spring-boot-container:  build: ./  #image: akashkale/spring-boot-container:v1  container\_name: spring-boot-container  depends\_on:  - mysql-container  ports:  - "9090:9090"  restart: always |

AWS EC2 Instance



Ports opened:

