```
# Build stage
FROM ubuntu:latest AS build

ENV DEBIAN_FRONTEND=noninteractive

RUN apt-get update && \
    apt-get install -y openjdk-17-jdk git maven curl && \
    apt-get clean && \
    rm -rf /var/lib/apt/lists/*

WORKDIR /app

RUN git clone https://github.com/dockersamples/spring-petclinic-docker.git

WORKDIR /app/spring-petclinic-docker

RUN ./mvnw package

# Run stage
FROM openjdk:17-jdk-slim

# Set environment variables
ENV APP_VERSION="1.0.0"
ENV JAVA_OPTS=""

WORKDIR /app

# Copy the built JAR file from the build stage
COPY --from=build /app/spring-petclinic-docker/target/spring-petclinic-*.jar /app/spring-petclinic.jar

EXPOSE 8080

RUN echo "Running Spring Petclinic version $APP_VERSION"

CMD ["java", "-jar", "/app/spring-petclinic.jar"]
```

^G Help      ^O Write Out   ^W Where Is   ^K Cut     ^T Execute   ^C Location    M-U Undo   M-A Set Mark   M-] To Bracket
^X Exit      ^R Read File   ^\ Replace    ^U Paste   ^J Justify   ^/ Go To Line  M-E Redo   M-6 Copy       ^Q Where Was

```yaml
version: '3.8'

services:
  spring-petclinic:
    build: .
    environment:
      - SPRING_PROFILES_ACTIVE=mysql
      - MYSQL_URL=jdbc:mysql://mysql:3306/petclinic
      - MYSQL_USER=petclinic
      - MYSQL_PASS=petclinic
    deploy:
      replicas: 5
      update_config:
        parallelism: 2
        delay: 10s
      restart_policy:
        condition: on-failure
        delay: 5s
    depends_on:
      - mysql

  mysql:
    image: mysql:8.0
    ports:
      - "3306:3306"
    environment:
      - MYSQL_ROOT_PASSWORD=
      - MYSQL_ALLOW_EMPTY_PASSWORD=true
      - MYSQL_USER=petclinic
      - MYSQL_PASSWORD=petclinic
      - MYSQL_DATABASE=petclinic
    volumes:
      - mysql_data:/var/lib/mysql

  nginx:
```

```yaml
  nginx:
    image: nginx:stable-alpine
    ports:
      - "80:80"
    volumes:
      - ./nginx/default.conf:/etc/nginx/conf.d/default.conf
    depends_on:
      - spring-petclinic

volumes:
  mysql_data:
```
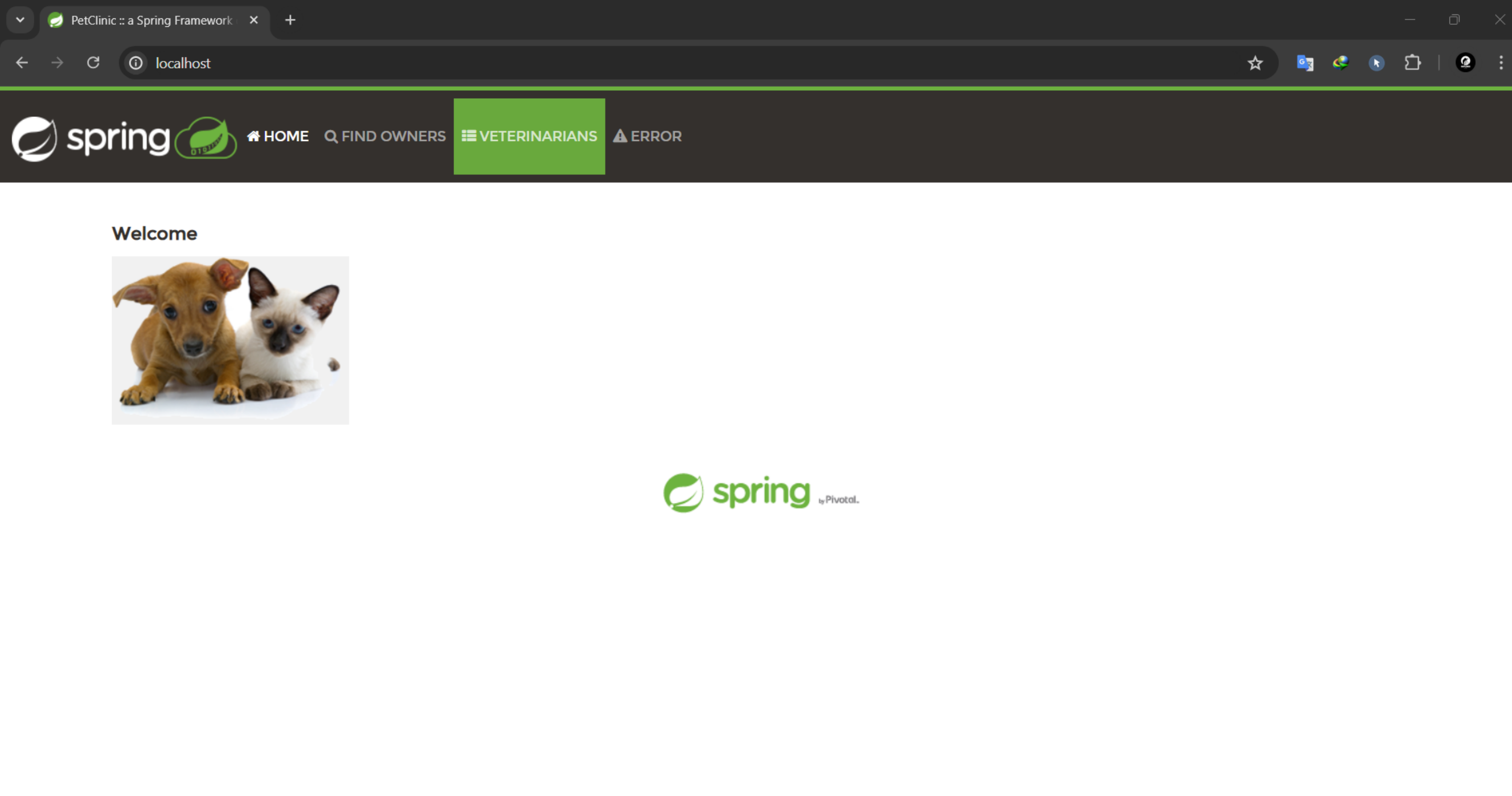
```
server {
  listen 80;

  location / {
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header Host $http_host;
    proxy_set_header X-NginX-Proxy true;

    proxy_pass http://spring-petclinic:8080;
    proxy_redirect off;
  }
}
```

```
root@DESKTOP-1IPFIN4:~/task10# docker ps
CONTAINER ID   IMAGE                  COMMAND                  CREATED       STATUS          PORTS                                               NAMES
6fb674e08795   nginx:stable-alpine    "/docker-entrypoint.…"   4 hours ago   Up 7 seconds    0.0.0.0:80->80/tcp, :::80->80/tcp                   task1
0_nginx_1
e758bfa8afed   task10_spring-petclinic   "java -jar /app/spri…"   4 hours ago   Up 13 seconds   8080/tcp                                            task1
0_spring-petclinic_3
e146787fc493   task10_spring-petclinic   "java -jar /app/spri…"   4 hours ago   Up 10 seconds   8080/tcp                                            task1
0_spring-petclinic_2
561963ba706c   task10_spring-petclinic   "java -jar /app/spri…"   4 hours ago   Up 12 seconds   8080/tcp                                            task1
0_spring-petclinic_5
a33be16d26a2   task10_spring-petclinic   "java -jar /app/spri…"   4 hours ago   Up 4 seconds    8080/tcp                                            task1
0_spring-petclinic_1
afdd85da2b48   task10_spring-petclinic   "java -jar /app/spri…"   4 hours ago   Up 16 seconds   8080/tcp                                            task1
0_spring-petclinic_4
3b5213ceb8cb   mysql:8.0              "docker-entrypoint.s…"   4 hours ago   Up 8 seconds    0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp   task1
0_mysql_1
root@DESKTOP-1IPFIN4:~/task10#
```

localhost

HOME    FIND OWNERS    VETERINARIANS    ERROR

**Welcome**