

To Build the Software Solution as a Container Hosted inside Docker Engine

Description

Project Agenda: To build the software solution as a container hosted inside Docker Engine.

Prerequisites:

- Java
- Maven
- SpringBoot
- Docker

Description:

This assignment is designed to help understand working with Dockerfile to build images. Further, run the images as a container in the Docker engine.

Problem Statement:

Dr. Shawn runs a pet clinic. Therefore, 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, a software company, to manage the same.

He faces the challenge of configuring it on the system whenever he changes his computer system. For his concerns, Bella Solutions aims to containerize the application using Docker.

Tasks:

Perform the below activities as a solution:

1. Import the given Spring Boot project with the developed code in Eclipse
2. Create a Dockerfile
3. Write Suitable steps to containerize the Spring Boot Application.
4. Build the image
5. Run the image as a container in detached mode by exposing the ports