Lindy Hagedorn

Week 14

Github: https://github.com/lindhage22/SpringBootWk13 14 (Use folder pet-

store)

Video: https://youtu.be/Kbcy6zbb0UU

Spring Boot Coding Assignment Week 14

Overview

Last week you created an Entity Relationship Diagram (ERD), built the pet store schema entities, added Spring JPA configuration, and created the main application class. Then you ran the application and demonstrated that Spring JPA created the tables in the database schema.

Over the next two weeks you will continue to write code to build a Pet Store REST API. There are three types of CRUD operations that can be performed on the pet store schema:

- Pet store operations
- Customer operations
- Employee operations

In these exercises you will write methods for some pet store operations. These methods are:

- Create a pet store
- Modify a pet store
- Correct the response status with a global error handler

Next week you will complete work on the pet store REST API by coding the read and delete pet store operations, as well as some customer and employee operations.

Objectives

This assignment has the following objectives:

- Demonstrate knowledge of Spring Boot best practices by writing a multi-layer application including the input/output layer, the service layer, and the data layer.
- Show mastery of Spring JPA by writing a service-layer method that both inserts and updates pet store data.
- Understand Spring Boot mechanics by using a Data Transfer Object (DTO) for application data input and output (as opposed to using the JPA entities, which

will cause your application to go BOOM without special processing).

Observe

Follow the instructions for making a video submission for this coding assignment. Your video should, at a minimum, do the following:

- Show that you can add a pet store to the data tables by sending an HTTP POST request to the running application.
- Show that you can modify an existing pet store by sending an HTTP PUT request to the running application.
- Demonstrate that an incorrect pet store ID supplied to a modify operation results in a 404 (Not Found) status.







