



Spring Boot Simplified Coding Assignment Overview

Background

Students will use the concepts described in the course videos to build a Pet Store API. Pet stores have customers and employees.

There is a one-to-many relationship between pet store and employee. Pet stores can have many employees, but any given employee is only employed by one pet store.

There is a many-to-many relationship between pet stores and customers. A customer may shop at several pet stores and pet stores can have many customers (for mailing lists, etc.).

Pet store schema

This section contains a description of the Pet Store API database schema. As part of the course homework, you will be asked to turn this description into an Entity Relationship Diagram (ERD) using the Draw.io application.

Table	pet_store	Comments
Fields	pet_store_id	Primary key
	pet_store_name	
	pet_store_address	
	pet_store_city	
	pet_store_state	
	pet_store_zip	
	pet_store_phone	
Relationship	one-to-many	One-to-many relationship with employee table. Key column is pet_store_id.
Relationship	many-to-many	Many-to-many relationship with customer table. Customers can shop at many pet stores and a pet store can have many customers.



Table	employee	Comments
Fields	employee_id	Primary key
	pet_store_id	Foreign key
	employee_first_name	
	employee_last_name	
	employee_phone	
	employee_job_title	

Table	customer	Comments
Fields	customer_id	Primary key
	customer_first_name	
	customer_last_name	
	customer_email	

Scope of work

Coding Assignments in the 6-week Spring Boot course will be required for weeks 13 - 15. The course's final project will comprise weeks 16 - 18.

One more point before we go

You don't need to follow the homework slavishly. If the homework calls for you to create a package named `com.promineotech`, using another package name is fine. Likewise for variable names. Please try to keep class names, and perhaps method names, the same as suggested so that the graders can more easily find your code. But the bottom line is that it is the result that matters. If you want to implement things differently than what the homework suggests with the same result, go for it! Just keep in mind that the graders will need to follow your work, so if you deviate from the homework, a friendly comment to the graders will be appreciated.