

```
//PetStoreApplica.java

package pet.store;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class PetStoreApplication {

    public static void main(String[] args) {
        SpringApplication.run(PetStoreApplication.class, args);
    }

}
```

```
//Customer.java

package pet.store.entity;

import java.util.HashSet;
import java.util.Set;

import jakarta.persistence.CascadeType;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.ManyToMany;
import lombok.Data;
import lombok.EqualsAndHashCode;
import lombok.ToString;

@Entity
@Data
public class Customer {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long customerId;

    private String customerFirstName;
    private String customerLastName;
    private String customerEmail;

    @EqualsAndHashCode.Exclude
    @ToString.Exclude
    @ManyToMany(mappedBy = "customers", cascade = CascadeType.PERSIST)
    private Set<PetStore> petStores = new HashSet<PetStore>();
}
```

```
//Employee.Java

package pet.store.entity;

import jakarta.persistence.CascadeType;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.JoinColumn;
import jakarta.persistence.ManyToOne;
import lombok.Data;
import lombok.EqualsAndHashCode;
import lombok.ToString;

@Entity
@Data
public class Employee {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long employeeId;
```

```

private String employeeFirstName;
private String employeeLastName;
private String employeePhone;
private String employeeJobTitle;

@EqualsAndHashCode.Exclude
@ToString.Exclude
@ManyToOne(cascade = CascadeType.ALL)
@JoinColumn(name = "pet_store_id")
private PetStore petStore;
}

```

//PetStore.java

```

package pet.store.entity;

import java.util.HashSet;
import java.util.Set;

import jakarta.persistence.CascadeType;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.JoinColumn;
import jakarta.persistence.JoinTable;
import jakarta.persistence.ManyToMany;
import lombok.Data;
import lombok.EqualsAndHashCode;
import lombok.ToString;

@Entity
@Data
public class PetStore {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long petStoreId;

    private String petStoreName;
    private String petStoreAddress;
    private String petStoreCity;
    private String petStoreState;
    private String petStoreZip;
    private String petStorePhone;

    @EqualsAndHashCode.Exclude
    @ToString.Exclude
    @ManyToMany(cascade = CascadeType.PERSIST)
    @JoinTable(name = "pet_store_customer", joinColumns = @JoinColumn(name = "pet_store_id"), inverseJoinColumns = @J
    private Set<Customer> customers = new HashSet<Customer>();

    @EqualsAndHashCode.Exclude
    @ToString.Exclude
    //pet_store or petStore
    @OneToMany(mappedBy = "petStore", cascade = CascadeType.ALL, orphanRemoval = true)
    private Set<Employee> employees = new HashSet<Employee>();
}

```

//Pom.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>3.1.2</version>
    <relativePath /> <!-- lookup parent from repository -->
  </parent>

```

```

<groupId>com.promineotech</groupId>
<artifactId>pet-store</artifactId>
<version>0.0.1-SNAPSHOT</version>
<name>pet-store</name>
<description>Pet store project for class</description>
<properties>
  <java.version>17</java.version>
</properties>
<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
  </dependency>

  <dependency>
    <groupId>com.mysql</groupId>
    <artifactId>mysql-connector-j</artifactId>
    <scope>runtime</scope>
  </dependency>
  <dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <optional>true</optional>
  </dependency>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-test</artifactId>
    <scope>test</scope>
  </dependency>

  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-data-jpa</artifactId>
  </dependency>
</dependencies>

<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
      <configuration>
        <excludes>
          <exclude>
            <groupId>org.projectlombok</groupId>
            <artifactId>lombok</artifactId>
          </exclude>
        </excludes>
      </configuration>
    </plugin>
  </plugins>
</build>
</project>

```

//application.yaml

```

Spring:
  datasource:
    username: pet_store
    password: pet_store
    url: jdbc:mysql://localhost:3306/pet_store

  jpa:
    hibernate:
      ddl-auto: create
    show-sql: true

```

```
//LINKS
//YOUTUBE
// https://youtu.be/CYHPETskI3U
//GITHUB
// https://github.com/fmd5045/Week13-15-PetStore-Project
```