package com.klef.jfsd.exam.model;

import javax.persistence.\*;

import java.util.Date;

@Entity

@Table(name = "orders")

public class Order {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name = "order\_id", unique = true, nullable = false)

private Long orderId;

@Column(name = "product\_name", nullable = false)

private String productName;

@Column(name = "quantity", nullable = false)

private int quantity;

@Column(name = "order\_date", nullable = false)

private Date orderDate;

@Column(name = "customer\_name", nullable = false)

private String customerName;

public Order() {}

// Getters and Setters

public Long getOrderId() {

return orderId;

}

public void setOrderId(Long orderId) {

this.orderId = orderId;

}

public String getProductName() {

return productName;

}

public void setProductName(String productName) {

this.productName = productName;

}

public int getQuantity() {

return quantity;

}

public void setQuantity(int quantity) {

this.quantity = quantity;

}

public Date getOrderDate() {

return orderDate;

}

public void setOrderDate(Date orderDate) {

this.orderDate = orderDate;

}

public String getCustomerName() {

return customerName;

}

public void setCustomerName(String customerName) {

this.customerName = customerName;

}

}

package com.klef.jfsd.exam.repository;

import com.klef.jfsd.exam.model.Order;

import org.springframework.data.jpa.repository.JpaRepository;

import org.springframework.stereotype.Repository;

@Repository

public interface OrderRepository extends JpaRepository<Order, Long> {

}

package com.klef.jfsd.exam.service;

import com.klef.jfsd.exam.model.Order;

import com.klef.jfsd.exam.repository.OrderRepository;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

@Service

public class OrderService {

@Autowired

private OrderRepository orderRepository;

public Order createOrder(Order order) {

return orderRepository.save(order);

}

}

package com.klef.jfsd.exam.service;

import com.klef.jfsd.exam.model.Order;

import com.klef.jfsd.exam.repository.OrderRepository;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

@Service

public class OrderService {

@Autowired

private OrderRepository orderRepository;

public Order createOrder(Order order) {

return orderRepository.save(order);

}

}

package com.klef.jfsd.exam.controller;

import com.klef.jfsd.exam.model.Order;

import com.klef.jfsd.exam.service.OrderService;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.web.bind.annotation.\*;

@RestController

@RequestMapping("/api/orders")

public class OrderController {

@Autowired

private OrderService orderService;

@PostMapping("/add")

public Order addOrder(@RequestBody Order order) {

return orderService.createOrder(order);

}

}

spring.datasource.url=jdbc:mysql://localhost:3306/labexam

spring.datasource.username=root

spring.datasource.password=root

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.jpa.hibernate.ddl-auto=update

spring.jpa.show-sql=true

spring.jpa.properties.hibernate.format\_sql=true

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect

CREATE DATABASE labexam;  
  
  
{

"orderId": 1,

"productName": "Laptop",

"quantity": 2,

"orderDate": "2024-12-07T10:00:00",

"customerName": "John Doe"

}  
  
  
  
<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-data-jpa</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>com.mysql.cj</groupId>

<artifactId>mysql-connector-java</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

</dependencies>