package com.ouhamza.ecommerce.service;

import com.ouhamza.ecommerce.dao.CustomerRepository;

import com.ouhamza.ecommerce.dto.Purchase;

import com.ouhamza.ecommerce.dto.PurchaseResponse;

import com.ouhamza.ecommerce.entity.Customer;

import com.ouhamza.ecommerce.entity.Order;

import com.ouhamza.ecommerce.entity.OrderItem;

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

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import java.util.List;

import java.util.UUID;

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@Service

public class CheckoutServiceImpl implements CheckoutService {

private CustomerRepository customerRepository;

@Autowired

public CheckoutServiceImpl(CustomerRepository customerRepository) {

this.customerRepository = customerRepository;

}

@Override

@Transactional

public PurchaseResponse placeOrder(Purchase purchase) {

// retrieve the order info from dto

Order order = purchase.getOrder();

// generate tracking number

String orderTrackingNumber = generateOrderTrackingNumber();

order.setOrderTrackingNumber(orderTrackingNumber);

// populate order with orderItems

List<OrderItem> orderItems = purchase.getOrderItems();

orderItems.forEach(item -> order.add(item));

// populate order with shippingAddress and billingAddress

order.setBillingAddress(purchase.getBillingAddress());

order.setShippingAddress(purchase.getShippingAddress());

// populate customer with order

Customer customer = purchase.getCustomer();

customer.add(order);

// save to the database

customerRepository.save(customer);

// return a response

return new PurchaseResponse(orderTrackingNumber);

}

private String generateOrderTrackingNumber() {

// generate a random UUID (UUID version-4)

return UUID.randomUUID().toString();

}

}