import org.junit.jupiter.api.BeforeEach;

import org.junit.jupiter.api.Test;

import org.junit.jupiter.api.Assertions;

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

import org.springframework.boot.test.context.SpringBootTest;

import org.springframework.transaction.annotation.Transactional;

@SpringBootTest

@Transactional

public class ProductModelTests {

@Autowired

private ProductRepository productRepository;

private Product testProduct;

@BeforeEach

public void setUp() {

// Create and save a test product

testProduct = new Product();

testProduct.setName("Delete Test Product");

testProduct.setPrice(20.0);

productRepository.save(testProduct);

}

@Test

public void testDeleteProduct() {

// Check that the product exists before deletion

Long productId = testProduct.getId();

Assertions.assertTrue(productRepository.findById(productId).isPresent(), "Product should exist before deletion.");

// Delete the product

productRepository.deleteById(productId);

// Verify the product has been deleted

Assertions.assertFalse(productRepository.findById(productId).isPresent(), "Product should be deleted and not present in the repository.");

}

}