import com.github.javafaker.Faker;

import java.util.ArrayList;

import java.util.List;

public class ProductFactory {

private static final Faker faker = new Faker();

public static Product createFakeProduct() {

String name = faker.commerce().productName();

double price = Double.parseDouble(faker.commerce().price(10.0, 500.0)); // Price between 10 and 500

int quantity = faker.number().numberBetween(0, 100); // Quantity between 0 and 100

String description = faker.lorem().sentence(10); // Generate a random description

return new Product(name, price, quantity, description);

}

public static List<Product> createFakeProducts(int count) {

List<Product> products = new ArrayList<>();

for (int i = 0; i < count; i++) {

products.add(createFakeProduct());

}

return products;

}

}