import io.cucumber.java.en.\*;

import static org.junit.Assert.\*;

import java.util.List;

public class ProductNameSearchSteps {

private ProductService productService; // Assume a service class for product management

private Product searchedProduct; // Variable to hold the searched product

@Given("the following products exist:")

public void the\_following\_products\_exist(io.cucumber.datatable.DataTable dataTable) {

// Iterate through the data table and create products

List<List<String>> productList = dataTable.asLists(String.class);

for (List<String> productData : productList) {

String name = productData.get(0);

double price = Double.parseDouble(productData.get(1));

int quantity = Integer.parseInt(productData.get(2));

String description = productData.get(3);

productService.createProduct(new Product(name, price, quantity, description));

}

}

@When("I search for the product named {string}")

public void i\_search\_for\_the\_product\_named(String productName) {

searchedProduct = productService.searchProductByName(productName); // Retrieve product by name

}

@Then("I should see the following product:")

public void i\_should\_see\_the\_following\_product(io.cucumber.datatable.DataTable expectedDataTable) {

List<List<String>> expectedProductData = expectedDataTable.asLists(String.class);

List<String> expectedProduct = expectedProductData.get(0);

// Verify that the searched product matches the expected values

assertEquals(expectedProduct.get(0), searchedProduct.getName());

assertEquals(Double.parseDouble(expectedProduct.get(1)), searchedProduct.getPrice(), 0.01);

assertEquals(Integer.parseInt(expectedProduct.get(2)), searchedProduct.getQuantity());

assertEquals(expectedProduct.get(3), searchedProduct.getDescription());

}

}