a) package com.ecommerce.tests;

import static org.junit.jupiter.api.Assertions.\*;

import static org.junit.jupiter.api.DynamicTest.dynamicTest;

import java.util.Arrays;

import java.util.Collection;

import org.junit.jupiter.api.AfterAll;

import org.junit.jupiter.api.AfterEach;

import org.junit.jupiter.api.BeforeAll;

import org.junit.jupiter.api.BeforeEach;

import org.junit.jupiter.api.DisplayName;

import org.junit.jupiter.api.DynamicTest;

import org.junit.jupiter.api.Test;

import org.junit.jupiter.api.TestFactory;

import org.junit.jupiter.api.function.Executable;

import org.junit.platform.runner.JUnitPlatform;

import org.junit.runner.RunWith;

@DisplayName("JUnit 5 Dynamic Tests Example")

@RunWith(JUnitPlatform.class)

public class DynamicTests {

@TestFactory

Collection<DynamicTest> dynamicTests() {

return Arrays.asList(

dynamicTest("simple dynamic test", () -> assertTrue(true)),

dynamicTest("My Executable Class", new MyExecutable()),

//dynamicTest("Exception Executable", () -> {throw new Exception("Exception Example");}),

dynamicTest("simple dynamic test-2", () -> assertTrue(true))

);

}

}

class MyExecutable implements Executable {

@Override

public void execute() throws Throwable {

System.out.println("Hello World!");

}

}

b) <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>DynamicTests</groupId>

<artifactId>DynamicTests</artifactId>

<version>0.0.1-SNAPSHOT</version>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/org.junit.jupiter/junit-jupiter-api -->

<dependency>

<groupId>org.junit.jupiter</groupId>

<artifactId>junit-jupiter-api</artifactId>

<version>5.9.0</version>

<scope>test</scope>

</dependency>

<!--if error add maven complier plugin-->

</dependencies>

</project>

