**Practice project assisted**

**Dynamic tests**

**pom.xml**

<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 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>UsingJUnit</groupId>

<artifactId>UsingJUnit</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<dependency>

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

<artifactId>junit-jupiter-engine</artifactId>

<version>5.4.2</version>

</dependency>

<dependency>

<groupId>org.junit.platform</groupId>

<artifactId>junit-platform-launcher</artifactId>

<version>1.2.0</version>

</dependency>

</dependencies>

</project>

**DynamicTests.java**

package com.ecommerce.tests;

import java.util.Arrays;

import java.util.Collection;

import java.util.List;

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

import org.junit.jupiter.api.AfterAll;

import org.junit.jupiter.api.BeforeAll;

import org.junit.jupiter.api.Test;

import org.junit.jupiter.api.condition.DisabledIf;

import org.junit.jupiter.api.condition.EnabledOnOs;

import org.junit.jupiter.api.condition.OS;

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

import org.junit.platform.runner.JUnitPlatform;

import org.junit.runner.RunWith;

import org.junit.jupiter.api.DynamicTest.\*;

import org.junit.jupiter.api.TestFactory;

@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!");

}

}