Phase-3 Practice Project: Assisted Practice

5. Write a program to demonstrate dynamic tests. DynamicTests.java: package com.ecommerce.tests; import java.util.Arrays; import java.util.Collection; import static org.junit.jupiter.api.Assertions.assertTrue; import org.junit.jupiter.api.DisplayName; import org.junit.jupiter.api.DynamicTest; import org.junit.jupiter.api.TestFactory; import org.junit.jupiter.api.function.Executable; @DisplayName("JUnit 5 Dynamic Tests Example") public class DynamicTests { @TestFactory Collection<DynamicTest> dynamicTests() { return Arrays.asList(DynamicTest.dynamicTest("simple dynamic test", () -> assertTrue(true)), DynamicTest.dynamicTest("My Executable Class", new MyExecutable()), DynamicTest.dynamicTest("Exception Executable", () -> {throw new Exception("Exception Example");}), DynamicTest.dynamicTest("simple dynamic test-2", () -> assertTrue(true))); } } class MyExecutable implements Executable { @Override

public void execute() throws Throwable { System.out.println("Hello World!");

}

```
}
```

```
pom.xml:
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>UsingJUnit
<artifactId>UsingJUnit</artifactId>
<version>0.0.1-SNAPSHOT</version>
<dependencies>
<dependency>
<groupId>org.junit.jupiter</groupId>
<artifactId>junit-jupiter-api</artifactId>
<version>5.7.2</version>
<scope>test</scope>
</dependency>
<dependency>
<groupId>org.junit.jupiter</groupId>
<artifactId>junit-jupiter-engine</artifactId>
<version>5.7.2</version>
</dependency>
<dependency>
<groupId>org.junit.platform</groupId>
<artifactId>junit-platform-launcher</artifactId>
<version>1.2.0</version>
</dependency>
</dependencies>
<build>
<plugins>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-compiler-plugin</artifactId>
<version>3.8.1</version>
<configuration>
<source>8</source>
<target>8</target>
</configuration>
</plugin>
</plugins>
```

```
</build>
```

</project>

Output:

