Test driven development and Logging framework

SuperSet ID:6412063

Mockito

Exercise 5: Mocking and Stubbing with Multiple Returns

pom.xml

<dependencies>

<dependency>

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

<artifactId>junit-jupiter</artifactId>

<version>5.10.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.mockito</groupId>

<artifactId>mockito-core</artifactId>

<version>5.11.0</version>

<scope>test</scope>

</dependency>

</dependencies>

ExternalApi.java

package com.example.api;

public interface ExternalApi {

String getStatus();

}

StatusChecker.java

package com.example.api;

public class StatusChecker {

private ExternalApi api;

public StatusChecker(ExternalApi api) {

this.api = api;

}

public void checkStatusMultipleTimes() {

for (int i = 1; i <= 3; i++) {

String status = api.getStatus();

System.out.println("Check " + i + ": " + status);

}

}

}

StatusCheckerTest.java

package com.example.api;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

public class StatusCheckerTest {

@Test

public void testMultipleReturnValues() {

ExternalApi mockApi = mock(ExternalApi.class);

when(mockApi.getStatus())

.thenReturn("Loading")

.thenReturn("Processing")

.thenReturn("Done");

StatusChecker checker = new StatusChecker(mockApi);

checker.checkStatusMultipleTimes();

verify(mockApi, times(3)).getStatus();

System.out.println("✅ Test Passed: getStatus() returned multiple values as expected.");

}

}

Output:

A screenshot of a computer

Description automatically generated

Console Output:

A black and white screen

Description automatically generated with medium confidence