Test driven development and Logging framework

SuperSet ID:6412063

Mockito

Exercise 6: Verifying Interaction Order

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>

TaskService.java

package com.example.service;

public interface TaskService {

void startTask();

void processTask();

void endTask();

}

TaskManager.java

package com.example.service;

public class TaskManager {

private TaskService service;

public TaskManager(TaskService service) {

this.service = service;

}

public void runTaskSequence() {

service.startTask();

System.out.println("Started task.");

service.processTask();

System.out.println("Processing task.");

service.endTask();

System.out.println("Ended task.");

}

}

TaskManagerTest.java

package com.example.service;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.InOrder;

public class TaskManagerTest {

@Test

public void testMethodCallOrder() {

TaskService mockService = mock(TaskService.class);

TaskManager manager = new TaskManager(mockService);

manager.runTaskSequence();

InOrder inOrder = inOrder(mockService);

inOrder.verify(mockService).startTask();

inOrder.verify(mockService).processTask();

inOrder.verify(mockService).endTask();

System.out.println("✅ Test Passed: Methods were called in the correct order.");

} }

Output:

A screenshot of a computer

Description automatically generated

Console output:

A black screen with a white stripe

Description automatically generated