**Exercise 2: Verifying Interactions**

**package** com.cts.week2Mockito;

**public** **class** ExternalApi {

**public** String getData() {

**return** "Real Data";

}

}

**package** com.cts.week2Mockito;

**public** **class** MyService {

**private** ExternalApi api;

**public** MyService(ExternalApi api) {

**this**.api = api;

}

**public** String fetchData() {

**return** api.getData();

}

}

**package** com.cts.week2Mockito;

**import** **static** org.mockito.Mockito.\*;

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

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

**public** **class** MyServiceTest {

@Test

**public** **void** testExternalApi() {

ExternalApi mockApi = *mock*(ExternalApi.**class**);

*when*(mockApi.getData()).thenReturn("Mock Data");

MyService service = **new** MyService(mockApi);

String result = service.fetchData();

*assertEquals*("Mock Data", result);

}

@Test

**public** **void** testVerifyInteraction() {

ExternalApi mockApi = *mock*(ExternalApi.**class**);

MyService service = **new** MyService(mockApi);

service.fetchData();

*verify*(mockApi).getData();

}

}

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Project Structure:

A screenshot of a computer program

AI-generated content may be incorrect.