



StubProvider Interface

`StubProvider` is a callback interface that you can use as part of the Apex stub API to implement a mocking framework. Use this interface with the `Test.createStub()` method to create stubbed Apex objects for testing.

Namespace

System

Usage

The `StubProvider` interface allows you to define the behavior of a stubbed Apex class. The interface specifies a single method that requires implementing: `handleMethodCall()`. You specify the behavior of each method of the stubbed class in the `handleMethodCall()` method.

In your Apex test, you create a stubbed object using the `Test.createStub()` method. When you invoke methods on the stubbed object, `StubProvider.handleMethodCall()` is called, which performs the behavior that you've specified for each method.

- [StubProvider Methods](#)

See Also

- [Apex Developer Guide: Build a Mocking Framework with the Stub API](#)
- [createStub\(parentType, stubProvider\)](#)

StubProvider Methods

The following are methods for `StubProvider`.

- [handleMethodCall\(stubbedObject, stubbedMethodName, returnType, listOfParamTypes, listOfParamNames, listOfArgs\)](#)
Use this method to define the behavior of each method of a stubbed class.

handleMethodCall(stubbedObject, stubbedMethodName, returnType, listOfParamTypes, listOfParamNames, listOfArgs)

Use this method to define the behavior of each method of a stubbed class.

Signature

```
public Object handleMethodCall(Object stubbedObject, String stubbedMethodName, System.Type returnType, List<System.Type> listOfParamTypes, List<String> listOfParamNames, List<Object> listOfArgs)
```

Parameters

stubbedObject

Type: Object



The name of the invoked method.

returnType

Type: [System.Type](#)

The return type of the invoked method.

listOfParamTypes

Type: [List<System.Type>](#)

A list of the parameter types of the invoked method.

listOfParamNames

Type: [List<String>](#)

A list of the parameter names of the invoked method.

listOfArgs

Type: [List<Object>](#)

The actual argument values passed into this method at runtime.

Return Value

Type: Object

Usage

You can use the parameters passed into this method to identify which method on the stubbed object was invoked. Then you can define the behavior for each identified method.

See Also

- [Apex Developer Guide: Build a Mocking Framework with the Stub API](#)

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