Mocking Method Calls



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Overview



Instantiating and using a mock object

Refactor:

- AcceptHighIncomeApplications
- ReferYoungApplications

Configure mock object method return values

Argument matching in mocked methods

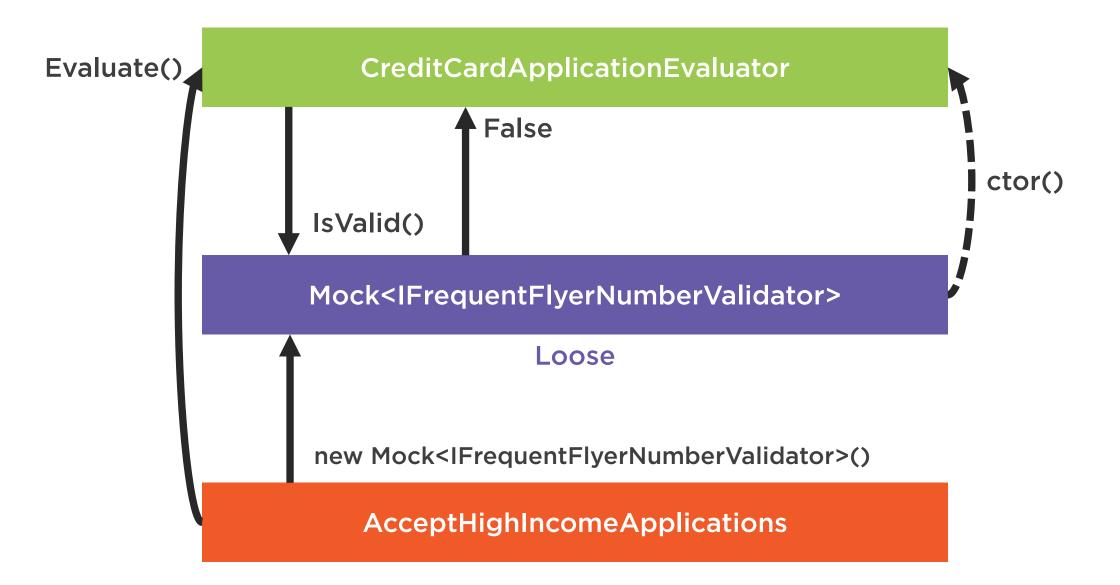
- Any values
- Predicates
- Ranges
- Regular expressions

Understanding strict and loose mocks

Mocking methods with out parameters



Understanding Strict and Loose Mocks





MockBehavior.Strict

MockBehavior.Loose

MockBehavior.Default

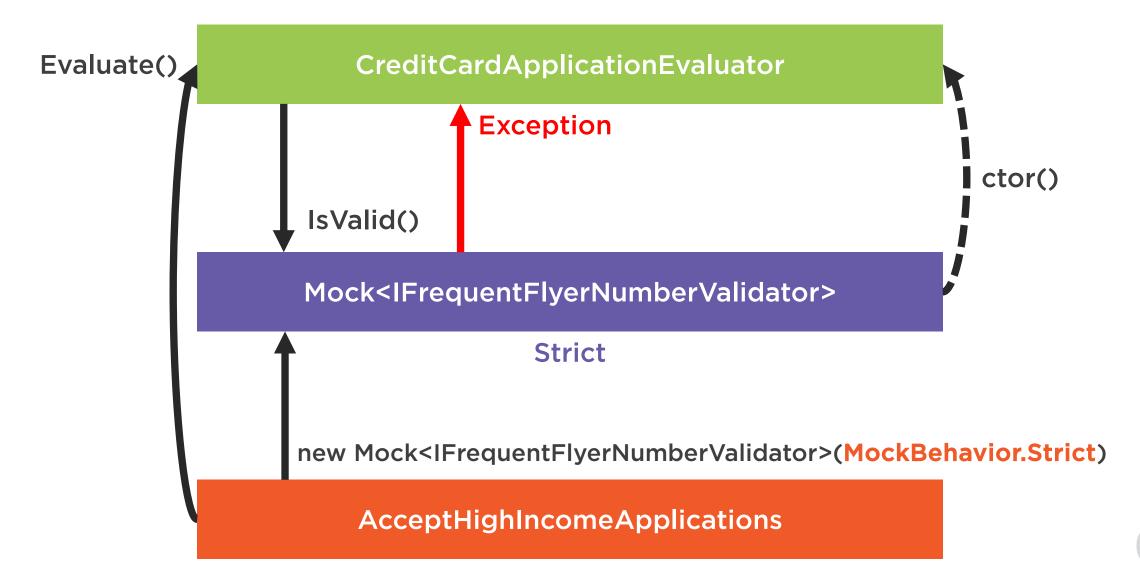
- ◆ Throw an exception if a mocked method is called but has not been setup.
- Never throw exceptions, even if a mocked method is called but has not been setup.

Returns default values for value types, null for reference types, empty array/enumerable.

■ Default behavior if none specified (MockBehavior.Loose)



Understanding Strict and Loose Mocks





Comparing Strict and Loose Mocks

Loose

Less lines of setup code

Default values

Less brittle tests

Existing tests continue to work

Strict

More setup code

Have to setup each called method

More brittle tests

Existing tests may break



Use strict mocks only when absolutely necessary, prefer loose mocks at all other times.



Summary



Mock<IFrequentFlyerNumberValidator>()

Fixed existing tests

mockValidator.Object

Configured mock object method return values

mockValidator.Setup(...).Returns(true)

Specific value: x => x.lsValid("x")

Argument matching in mocked methods

- It.IsAny
- It.IsInRange

MockBehavior.Strict

Mocking methods with out parameters



Next:

Mocking Properties

