

Example Code

```
public interface ISalesTaxService
{
    Dictionary<string, decimal> GetSalesTaxByPostalCode(string country);
}

public class SalesTaxLogic
{
    private readonly Dictionary<string, decimal> _salesTaxByPostalCode;
    public SalesTaxLogic(ISalesTaxService salesTaxService, string country)
    {
        _salesTaxByPostalCode = salesTaxService.GetSalesTaxByPostalCode(country);
    }
    public decimal CalcSalesTax(string postalCode, decimal orderTotal)
    {
        return Math.Round(_salesTaxByPostalCode[postalCode] * orderTotal, 2, MidpointRounding.AwayFromZero);
    }
}

[TestClass]
public class InvoiceLogicTests
{
    [TestMethod]
    public void WhenCalculatingSalesTaxItShouldNotBeZero()
    {
        //Arrange
        ISalesTaxService salesTaxServiceMock = MockRepository.GenerateMock<ISalesTaxService>();
        Dictionary<string, decimal> salesTaxRates = new Dictionary<string, decimal>();
        salesTaxRates.Add("43229", .0675M);
        salesTaxServiceMock.Stub(o => o.GetSalesTaxByPostalCode(null)).IgnoreArguments().Return(salesTaxRates.RepeatAny());
        SalesTaxLogic salesTaxLogic = new SalesTaxLogic(salesTaxServiceMock, "USA");
        //Act
        decimal orderSalesTax = salesTaxLogic.CalcSalesTax("43229", 19.95M);
        //Assert
        Console.WriteLine(orderSalesTax);
        Assert.AreEqual(0, orderSalesTax);
        salesTaxServiceMock.AssertCalled(o => o.GetSalesTaxByPostalCode("USA"));
    }
}
```



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