# Week2-{MOQ-HANDSON}

1. Write Testable Code with Moq

using NUnit.Framework;

using Moq;

using CustomerCommLib;

namespace CustomerCommLib.Tests

{

[TestFixture]

public class CustomerCommTests

{

private Mock<IMailSender>? \_mockMailSender; // nullable

private CustomerComm? \_customerComm; // nullable

[SetUp]

public void Setup()

{

\_mockMailSender = new Mock<IMailSender>();

\_mockMailSender

.Setup(m => m.SendMail(It.IsAny<string>(), It.IsAny<string>()))

.Returns(true);

\_customerComm = new CustomerComm(\_mockMailSender.Object);

}

[Test]

public void SendMailToCustomer\_ShouldReturnTrue\_WhenMailSentSuccessfully()

{

var result = \_customerComm!.SendMailToCustomer(); // ! because it's guaranteed after SetUp

Assert.That(result, Is.True);

\_mockMailSender!.Verify(m => m.SendMail("cust123@abc.com", "Some Message"), Times.Once);

}

}

}

OUTPUT-