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Moq Exercise**

**MailSender.cs**

using System.Net;

using System.Net.Mail;

namespace CustomerCommLib

{

public class MailSender : IMailSender

{

public bool SendMail(string toAddress, string message)

{

MailMessage mail = new MailMessage();

SmtpClient smtp = new SmtpClient("smtp.example.com");

mail.From = new MailAddress("you@example.com");

mail.To.Add(toAddress);

mail.Subject = "Test Mail";

mail.Body = message;

smtp.Port = 587;

smtp.Credentials = new NetworkCredential("username", "password");

smtp.EnableSsl = true;

smtp.Send(mail);

return true;

}

}

}

**IMailSender.cs**

namespace CustomerCommLib

{

public interface IMailSender

{

bool SendMail(string toAddress, string message);

}

}

**CustomerComm.cs**

namespace CustomerCommLib

{

public class CustomerComm

{

private readonly IMailSender \_mailSender;

public CustomerComm(IMailSender mailSender)

{

\_mailSender = mailSender;

}

public bool SendMailToCustomer()

{

return \_mailSender.SendMail("cust123@abc.com", "hello i am ashutosh");

}

}

}

**UnitTest1.cs**

using Moq;

using NUnit.Framework;

using CustomerCommLib;

namespace CustomerCommLib.Tests

{

public class CustomerCommTests

{

[Test]

public void SendMailToCustomer\_ReturnsTrue()

{

var mockMailSender = new Mock<IMailSender>();

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

.Returns(true);

var customerComm = new CustomerComm(mockMailSender.Object);

bool result = customerComm.SendMailToCustomer();

Assert.IsTrue(result);

}

}

}

**OUTPUT:**

