**CustomerCommTests:**

using NUnit.Framework;

using Moq;

using CustomerCommLib;

namespace CustomerCommLib.Tests

{

    [TestFixture]

    public class CustomerCommTests

    {

        private Mock<IMailSender> \_mockMailSender;

        private CustomerComm \_customerComm;

        [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()

        {

            var result = \_customerComm.SendMailToCustomer();

            Assert.That(result, Is.True);

        }

    }

}

**CustomerComm:**

namespace CustomerCommLib

{

    public class CustomerComm

    {

        private IMailSender \_mailSender;

        public CustomerComm(IMailSender mailSender)

        {

            \_mailSender = mailSender;

        }

        public bool SendMailToCustomer()

        {

            \_mailSender.SendMail("cust123@abc.com", "Some Message");

            return true;

        }

    }

}

**IMailsender.cs**

namespace CustomerCommLib

{

    public interface IMailSender

    {

        bool SendMail(string toAddress, string message);

    }

}

**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 smtpServer = new SmtpClient("smtp.gmail.com")

            {

                Port = 587,

                Credentials = new NetworkCredential("username", "password"),

                EnableSsl = true

            };

            mail.From = new MailAddress("your\_email\_address@gmail.com");

            mail.To.Add(toAddress);

            mail.Subject = "Test Mail";

            mail.Body = message;

            smtpServer.Send(mail);

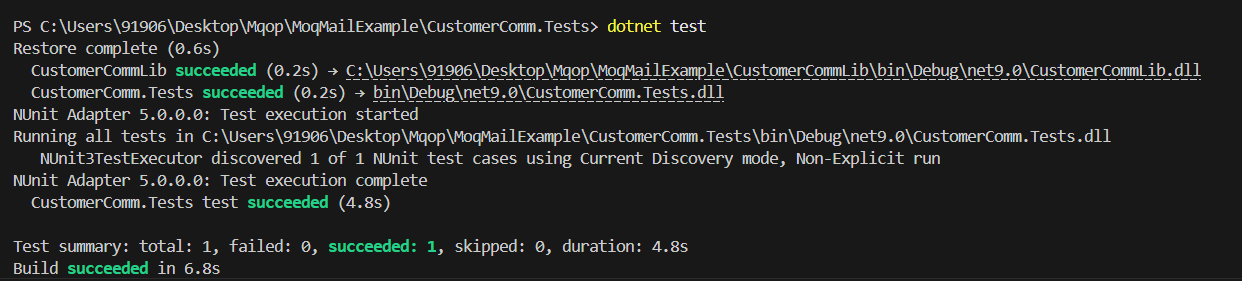
            return true;

        }

    }

}

**Output:**

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