**Cognizant Week 2 Assignment : Moq Hands-on**

**Code: Mailsender.cs**

Using System.Net;

Using System.Net.Mail;

Namespace CustomerCommLib

{

Public interface IMailSender

{

Bool SendMail(string toAddress, string message);

}

Public class MailSender : IMailSender

{

Public bool SendMail(string toAddress, string message)

{

MailMessage mail = new MailMessage();

SmtpClient SmtpServer = new SmtpClient(“smtp.gmail.com”);

Mail.From = new MailAddress([poushali2923@gmail.com](mailto:poushali2923@gmail.com));

Mail.To.Add(toAddress);

Mail.Subject = “Test Mail”;

Mail.Body = message;

SmtpServer.Port = 587;

SmtpServer.Credentials = new NetworkCredential(“username”, “password”);

SmtpServer.EnableSsl = true;

SmtpServer.Send(mail);

Return true;

}

}

Public class CustomerComm

{

Private readonly IMailSender \_mailSender;

Public CustomerComm(IMailSender mailSender)

{

\_mailSender = mailSender;

}

Public bool SendMailToCustomer()

{

\_mailSender.SendMail([cust123@abc.com](mailto:cust123@abc.com), “Some Message”);

Return true;

}

}

}

**Code: CustomerCommTests.cs**

Using System;

Namespace CustomerCommLib

{

Public class CustomerComm

{

Private readonly IMailSender \_mailSender;

Public CustomerComm(IMailSender mailSender)

{

\_mailSender = mailSender ?? throw new ArgumentNullException(nameof(mailSender));

}

Public bool SendMailToCustomer()

{

Return \_mailSender.SendMail([cust123@abc.com](mailto:cust123@abc.com), “Some Message”);

}

}

}

**Code: CustomerCommTests.csproj**

<Project Sdk=”Microsoft.NET.Sdk”>

<PropertyGroup>

<TargetFramework>net6.0</TargetFramework>

<IsPackable>false</IsPackable>

</PropertyGroup>

<ItemGroup>

<PackageReference Include=”Moq” Version=”4.16.1” />

<PackageReference Include=”NUnit” Version=”3.13.2” />

<PackageReference Include=”NUnit3TestAdapter” Version=”4.2.1” />

<PackageReference Include=”coverlet.collector” Version=”3.1.2” />

<PackageReference Include=”Microsoft.NET.Test.Sdk” Version=”17.2.0” />

</ItemGroup>

<ItemGroup>

<ProjectReference Include=”..\CustomerComm\CustomerComm.csproj” />

</ItemGroup>

</Project>

**Code : CustomerCommLib.csproj**

<Project Sdk=”Microsoft.NET.Sdk”>

<PropertyGroup>

<TargetFramework>net6.0</TargetFramework>

<ImplicitUsings>enable</ImplicitUsings>

<Nullable>enable</Nullable>

</PropertyGroup>

</Project>

**OUTPUT :**

