1.Demonstrate a Console
Application program to validate
Email-ID and username with 3 to
16 characters length and also
can have all special characters
using Regular Expressions.

#### Regular Expression in C#:

A Regular Expression (Regex) in C# is used to define patterns for matching strings. -It is implemented through the System.Text.RegularExpressions namespace.

-The Regex class provides methods like:  $IsMatch() \rightarrow checks$  if a string matches the pattern.

Match()  $\rightarrow$  returns the first match found. Matches()  $\rightarrow$  returns all matches in a string.

Replace()  $\rightarrow$  replaces matched text with another string.

Split() → splits a string based on a pattern.

#### Code:

using System;

```
using System.Text.RegularExpressions;

class Program {
    static void Main(string[] args)
    {
```

string emailPattern =
@"^[^@\s]+@[^@\s]+\![^@\s]+\$";
string usernamePattern =
@"^[\w\d!@#\$%^&\*()\-

\_=+();:,<.>]{3,16}\$"; Console.Write("Enter your Email ID: "); string email = Console.ReadLine();

if (Regex.lsMatch(email, emailPattern))

Console.WriteLine("Valid Email ID."); else

Console.WriteLine("Invalid Email ID.");

Console.Write("Enter your Username:

string username = Console.ReadLine();
if (Regex.IsMatch(username,
usernamePattern))

Console.WriteLine("Valid Username.");

else
Console.WriteLine("Invalid
Username. Username must be 3 to 16
characters long and can include special
characters.");

}

String Manipulation with the String Builder and String Classes: Demonstrate some basic string manipulation using methods of both StringBuilder and String classes.

```
using System;
using System.Text;

class Program
{
    static void Main(string[] args)
    {
        Console.WriteLine("String Class
Manipulation:");
```

2. Working with callbacks and delegates in C#: Demonstrate the use of delegates, callbacks, and synchronous and asynchronous method invocation.

**Delegates** are type-safe function pointers in C# used to reference methods dynamically.

**Singlecast delegates** point to a single method and invoke only that one when called.

**Multicast delegates** can reference multiple methods using + or += operators. When invoked, multicast delegates execute a

When invoked, multicast delegates execute all referenced methods sequentially.

```
using System;
using System.Threading;
class Program
{
    public delegate void ProcessDelegate(int
    number);
    static void Main(string[] args)
    {
        // Synchronous delegate invocation
        Console.WriteLine("Synchronous Delegate
Invocation:");
        ProcessDelegate processDelegate = new
ProcessDelegate(ProcessNumber);
        processDelegate(10);
        // Using a delegate as a callback
```

// Using a delegate as a callback
Console.WriteLine("\nUsing Delegate as a
Callback:");

ExecuteWithCallback(20, ProcessNumber);
// Asynchronous delegate invocation
Console.WriteLine("\nAsynchronous Delegate
Invocation:");

ProcessDelegate asyncProcessDelegate = new ProcessDelegate(ProcessNumber);

IAsyncResult asyncResult =

asyncProcessDelegate.BeginInvoke(30, null, null);
// Do other work while the delegate executes

// Do other work while the delegate executes asynchronously

Console.WriteLine("Doing other work in the main thread...");

// Wait for asynchronous operation to complete

asyncProcessDelegate.EndInvoke(asyncResult); Console.WriteLine("\nProgram has finished execution.");

// Method that matches the delegate signature public static void ProcessNumber(int number) {

Console.WriteLine(\$"Processing number: {number}");
Thread.Sleep(2000); // Simulate time-

consule.WriteLine(\$"Finished processing

number: {number}");
}

// Method that takes a callback delegate as a parameter

public static void ExecuteWithCallback(int number, ProcessDelegate callback)

Console.WriteLine("Starting execution..."); callback(number); Console.WriteLine("Finished execution.");

}

# 3. Working with Interface Inheritance: Demonstrate the interface inheritance using explicit interface Implementation

In C#, interface inheritance allows one interface to inherit from one or more other interfaces. A class that implements such an interface must provide implementations for all members from the base interfaces as well. When a class implements multiple interfaces that contain methods with the same name, explicit interface implementation is used to avoid ambiguity. In this method, the interface name is prefixed to the method while implementing it.

Explicit Interface Implementation allows a class to implement interface members so they are only accessible through the interface, not the class object. It is used to avoid naming conflicts when multiple interfaces have members with the same name.

Syntax: ReturnType
InterfaceName.MethodName() { }
Access requires casting the object to the
interface type.

#### Code:

```
using System;
namespace InterfaceInheritanceExample
  public interface IBaseInterface
    void BaseMethod();
  public interface IDerivedInterface :
IBaseInterface
    void DerivedMethod();
  public class MyClass: IDerivedInterface
    void IBaseInterface.BaseMethod()
       Console.WriteLine("BaseMethod
implementation from IBaseInterface.");
    void IDerivedInterface.DerivedMethod()
       Console. Write Line ("Derived Method") \\
implementation from IDerivedInterface.");
    public void ExecuteMethods()
       IBaseInterface baseInterface = this;
       IDerivedInterface derivedInterface = this;
       baseInterface.BaseMethod();
       derivedInterface.DerivedMethod();
  class Program
    static void Main(string[] args)
       MvClass mvClass = new MvClass():
       myClass.ExecuteMethods();
}
```

```
string str = "Hello, World!":
                                              4. Working with Inheritance: Employee
    Console.WriteLine("Original String: " +
                                              Management System Tokyo Company
str);
    string concatenatedStr = str + "
                                              wants to register the new employee to
Welcome to string manipulation.";
                                              their data.
    Console.WriteLine("After
Concatenation: " + concatenatedStr);
    string substring = str.Substring(7, 5);
    Console.WriteLine("Substring (7, 5):
                                              using System;
+ substring);
                                              namespace EmployeeManagementSystem
    string replacedStr =
str.Replace("World", "C#");
                                                public class Person
    Console.WriteLine("After Replace: " +
                                                   public string FirstName { get; set; }
    string upperStr = str.ToUpper();
                                                   public string LastName { get; set; }
    string lowerStr = str.ToLower();
                                                   public string Gender { get; set; }
    Console.WriteLine("ToUpper: " +
                                                   public DateTime DOB { get; set; }
upperStr);
    Console.WriteLine("ToLower: " +
                                                  public Person(string firstName, string lastName,
lowerStr);
                                              string gender, DateTime dob)
    string strWithSpaces = " Hello,
World! ";
                                                     FirstName = firstName;
    string trimmedStr =
                                                     LastName = lastName;
strWithSpaces.Trim();
                                                     Gender = gender;
    Console.WriteLine("Trimmed String: "
                                                     DOB = dob;
+ trimmedStr + """);
    int length = str.Length;
    Console.WriteLine("Length of String: "
                                                public class Employee: Person
    Console.WriteLine("\nStringBuilder
                                                   public string Department { get; set; }
Class Manipulation:");
                                                   public string Location { get; set; }
    StringBuilder sb = new
                                                   public int EmpSequence { get; set; }
StringBuilder("Hello, World!");
                                                   public int YearsOfExperience { get; set; }
    sb.Append(" Welcome to string
manipulation.");
                                                   public Employee(string firstName, string lastName,
    Console.WriteLine("After Append: " +
                                              string gender, DateTime dob,
sb.ToString());
                                                     string department, string location, int
    sb.Insert(7, "beautiful ");
                                              empSequence, int yearsOfExperience)
    Console.WriteLine("After Insert: " +
                                                     : base(firstName, lastName, gender, dob)
sb.ToString()):
    sb.Remove(7, 10):
                                                     Department = department;
    Console.WriteLine("After Remove: " +
                                                     Location = location;
sb.ToString());
                                                     EmpSequence = empSequence;
    sb.Replace("World", "C#");
                                                     YearsOfExperience = yearsOfExperience;
    Console.WriteLine("After Replace: " +
sb.ToString()):
    int sbLength = sb.Length;
                                                   public string GenerateEmailID()
Console.WriteLine("Length of StringBuilder: " + sbLength);
                                                     return Registration.UserID + "@Tokyo.com";
    sb.Clear():
    Console.WriteLine("After Clear: " +
sb.ToString());
                                                   public double CalculateSalary()
 }
                                                     double netCompensation = YearsOfExperience *
                                              100000;
                                                     double hra = netCompensation * 0.10;
                                                     return netCompensation + hra;
                                                public class Registration: Employee
                                                  public static int EmployeeID;
                                                  public static string UserID;
                                                  public Registration(string firstName, string lastName,
                                              string gender, DateTime dob,
                                                     string department, string location, int
                                              empSequence, int yearsOfExperience)
```

: base(firstName, lastName, gender, dob,

GenerateEmployeeID();

public void GenerateEmployeeID()

GenerateUserID();

department, location, empSequence, yearsOfExperience)

5.Using Reflection in C#: Demonstrate how to gather information on various types included in any assembly by using the System.Reflection namespace and some main.NET base

classes. Reflection in C# is the ability of a program to inspect and interact with its own metadata at runtime. It allows you to obtain information about assemblies, types, methods, properties, and fields dynamically. Reflection enables creating objects, invoking methods, and accessing members without knowing them at compile time. It is commonly used in frameworks, serialization, testing, and dynamic type discovery. For reflection in C#, the required classes are mainly in the System. Reflection namespace. Key classes include: 1 . Assembly - Represents a . NET assembly and allows loading and inspecting assemblies. 2. Type - Represents type metadata (classes, interfaces, structs, enums) and provides information about members. 3 .MethodInfo – Represents a method and allows invocation and inspection of parameters and return types. 4. PropertyInfo – Represents a property and allows getting/setting values dynamically. 5. FieldInfo - Represents a field and allows reading/writing values dynamically. 6.ConstructorInfo – Represents a constructor and allows dynamic object creation. 7.ParameterInfo - Represents information about method parameters. using System; using System.Reflection; namespace ReflectionDemo class Program static void Main(string[] args) Assembly assembly = Assembly.GetExecutingAssembly(); Console.WriteLine(\$"Assembly Full Name: {assembly.FullName}\n"); Type[] types = assembly.GetTypes(); foreach (Type type in types) Console.WriteLine(\$"Type: {type.FullName}"); MethodInfo[] methods = type.GetMethods(); foreach (MethodInfo method in methods) Console.WriteLine(\$" Method: {method.Name}"); ParameterInfo[] parameters = method.GetParameters();

foreach (ParameterInfo parameter in

Console.WriteLine(\$" Parameter:

parameters)

{parameter.Name} of Type:

{parameter.ParameterType}");

## 6: Working with Assemblies:

An assembly is a compiled code library used by .NET applications. It contains metadata, intermediate language (IL) code, and resources. Assemblies are the building blocks of .NET applications and provide versioning, security, and deployment features.

Private Assembly:

A private assembly is used by a single application and stored in the application's folder. It does not require strong naming or GAC installation. Accessible only by the application that references it.

Public Assembly:

A public assembly is strong-named, stored in the Global Assembly Cache (GAC), and can be shared across multiple applications. It allows versioning and centralized management.

Shared Assembly:

A shared assembly is a public assembly that is strong-named and stored in the Global Assembly Cache (GAC). It can be used by multiple applications on the same machine, enabling code reuse and centralized versioning.

 Demonstrate a console application by creating a Private Assembly and use it in different applications.

Step 1: Create a Private Assembly (Class Library)

- Open Visual Studio as administrator.
- Create a new Class Library (.NET Framework) project. Name: MyMathLibrary
- 3. Add the following class:

using System;

```
namespace MyMathLibrary
{
   public class Calc
   {
     public int add(int a, int b)
     {
        return a + b;
     }
}
```

- 4. Build the solution.
- 5. Check the .dll file location (usually in bin\Debug or bin\Release).

### Step 2: Create a Console Application to Use the Private Assembly

- Create a new Console
   Application project named
   MathApp.
- In Solution Explorer, rightclick on References in the MathApp project → Add Reference → Browse → select MyMathLibrary.dll.
- 3. In Program.cs, write the following code:

using System; using MyMathLibrary;

namespace MathApp

```
EmployeeID = 10000 + EmpSequence;
    public void GenerateUserID()
      UserID = FirstName.Substring(0, 2).ToUpper() +
EmployeeID;
  }
  class Program
    static void Main(string[] args)
      Registration emp1 = new Registration("Rajesh",
"Sharma", "Male", new DateTime(1990, 5, 12),
         "IT", "Tokyo", 101, 5);
      Console.WriteLine($"Employee ID:
{Registration.EmployeeID}");
      Console.WriteLine($"User ID:
{Registration.UserID}");
      Console.WriteLine($"Email ID:
{emp1.GenerateEmailID()}");
      Console.WriteLine($"Salary:
{emp1.CalculateSalary()}");
```

```
Console.WriteLine($" Return Type:
{method.ReturnType}");
        PropertyInfo[] properties =
type.GetProperties();
        foreach (PropertyInfo property in
properties)
          Console.WriteLine($" Property:
{property.Name} of Type:
{property.PropertyType}");
         FieldInfo[] fields = type.GetFields();
        foreach (FieldInfo field in fields)
           Console.WriteLine($" Field:
{field.Name} of Type: {field.FieldType}");
        Console.WriteLine();
  public class SampleClass
    public int SampleField;
    public string SampleProperty { get; set; }
    public void SampleMethod1()
      Console.WriteLine("SampleMethod1
called.");
    public int SampleMethod2(int param1, string
param2)
      Console.WriteLine($"SampleMethod2
called with parameters: {param1}, {param2}");
      return param1 + param2.Length;
 }
```

```
internal class Program
  static void Main(string[] args)
    Calc c1 = new Calc():
     int x = c1.add(5, 10);
     Console.WriteLine(x);
}
```

2. Demonstrate how to **Create a Public** assembly and store it in GAC and use it in all applications.

Step 1: Create a Public Assembly (Class Library)

- Open Visual Studio as administrator.
- Create a new Class Library (.NET Framework) project. Name: MyPublicMathLibrary
- Add the following class:

using System;

```
namespace MyPublicMathLibrary
 public class Calc
    public int multiply(int a, int b)
      return a * b;
4. Sign the assembly to make it strong-
```

- named (required for GAC):
- Right-click on the project  $\rightarrow$  Properties  $\rightarrow$ Signing → check Sign the assembly → select New...  $\rightarrow$  give a key name (e.g., MvKev.snk).
- 5.Build the solution.
- 6. The .dll file will be generated (usually in bin\Debug or bin\Release).

Step 2: Install the Assembly in GAC

- Open Developer Command Prompt for Visual Studio as administrator.
- Use the GacUtil tool to install the assembly:

Step 3: Use the Public Assembly in Any Application

- Create a Console Application 1 (e.g., PublicMathApp).
- Add reference to the 2. assembly from GAC:

Right-click References → Add Reference → Browse → select the GAC path or use the .dll location.

In Program.cs, write the 3. following code:

using System; using MyPublicMathLibrary;

```
namespace PublicMathApp
  internal class Program
    static void Main(string[] args)
      Calc c1 = new Calc();
      int result = c1.multiply(5, 10);
      Console.WriteLine(result);
    }
```

}

8. Using the System. NetWebClient to Retrieve or Upload Data: Demonstrate how to create windows form that can use HTTP to download and save a resource from a specified URI, upload a resource to a specified URI, or read and write data through a stream object.

Step 1: Create a Windows Forms Project

- Open Visual Studio → Create a new project → Windows Forms App (.NET Framework) → Name it WebClientDemo.
- Open Form1 in the designer view.

Step 2: Add Controls Using Drag-and-Drop From the Toolbox, drag the following controls onto the

```
Control Name
                        Properties / Notes
Label IblURL
                        Text = "Enter URL:"
TextBox txtURL
                        Width = 300
Button btnDownload
                        Text = "Download"
Button btnUpload
                        Text = "Upload"
                        Multiline = True, Width = 300,
TextBox txtData
```

Height = 100 Button btnReadStream Text = "Read Stream" Button btnWriteStream Text = "Write Stream"

Step 3: Add Event Handlers

using System.IO;

using System.Net;

using System.Text;

- Double-click each Button in the designer  $\rightarrow$ Visual Studio will create click event handlers in Form1.cs.
- Add the following code inside Form1.cs inside the corresponding button methods: using System;

```
using System.Windows.Forms;
namespace WebClientDemo
  public partial class Form1: Form
    public Form1()
      InitializeComponent():
EventArgs e)
```

```
private void btnDownload_Click(object sender,
  using (WebClient wc = new WebClient())
      string url = txtURL.Text;
      string savePath =
```

Path.Combine(Environment.GetFolderPath(Environment.S pecialFolder.Desktop), "downloaded\_file");

wc.DownloadFile(url, savePath); MessageBox.Show(\$"File downloaded to:

```
{savePath}");
        catch (Exception ex)
          MessageBox.Show("Error: " + ex.Message);
```

private void btnUpload\_Click(object sender, EventArgs e)

using (WebClient wc = new WebClient())

#### 10. Working with LINQ:

#### Definition:

LINQ is a component of .NET that allows querying collections, databases, XML, and other data sources in a type-safe, readable, and consistent way using C# syntax .

#### Purpose:

- --Provides a unified approach to query different data sources.
- --Eliminates the need for separate guery

languages like SQL or XQuery for different sources.

Create the Database Table:

In SQL Server, run the following SQL to create a table:

CREATE TABLE Employees ( EmpNo INT PRIMARY KEY, EmpName VARCHAR(50), EmpSal DECIMAL(10, 2), EmpJob VARCHAR(50), EmpDeptNo INT

Step 1: Create Project

- 1. Open Visual Studio 2022
- 2. Select ASP.NET Web Application (.NET
- Framework)
- 3. Name it: EmployeeInfoApp
- 4. Choose Empty template and check Web Forms.

#### Step 2: Add Web Form

- 1. Right-click your project  $\Rightarrow$  Add  $\Rightarrow$  Web Form
- o Name: EmployeeDisplay.aspx

Step 3: Create Database Connection

- 2. In Solution Explorer  $\rightarrow$  Add  $\rightarrow$  New Item  $\rightarrow$  Data
- → LINQ to SQL Classes
- o Name it: EmployeeData.dbml
- 3. This opens a LINQ to SQL Designer.
- 4. From Server Explorer → Data Connections, add connection

SERVER NAME =.\SQLEXPRESS

Connection need to be established with back end. Open new query and Create the table Employee with required columns

- 5. drag the Employee table to the designer. o It automatically creates a class named Employee.
- Step 4: Design the Web Form (Front-End) Open EmployeeDisplay.aspx, and add this code inside the <form> tag: <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="True' </asp:GridView>

Step 5: Backend Code (C#)

Open EmployeeDisplay.aspx.cs and write this:

```
using System;
using System.Ling;
using System.Configuration;
namespace EmployeeInfoApp
public partial class EmployeeDisplay :
System.Web.UI.Page
protected void Page_Load(object sender,
EventArgs e)
```

```
try
                                   string url = txtURL.Text;
                                   string filePath =
{\bf Path.Combine} ( \underline{{\bf Environment.GetFolderPath}} ( \underline{{\bf Environment.GetFolderPath} ) ( \underline{{\bf Environment.GetFolderPath} ) ( \underline{{\bf Environment.GetFolderPath} ) ( \underline{{\bf Environment.GetFolderP
nt.SpecialFolder.Desktop), "upload_file.txt");
                                   File.WriteAllText(filePath, "This is a test
upload.");
                                  byte[] response = wc.UploadFile(url, "POST",
filePath);
                                    MessageBox.Show("Upload response: " +
Encoding.UTF8.GetString(response));
                             catch (Exception ex)
                                   MessageBox.Show("Error: " + ex.Message);
             private void btnReadStream_Click(object sender,
EventArgs e)
                      using (WebClient wc = new WebClient())
                            try
                                   string url = txtURL.Text;
                                   using (Stream stream = wc.OpenRead(url))
                                   using (StreamReader reader = new
StreamReader(stream))
                                           txtData.Text = reader.ReadToEnd();
                            catch (Exception ex)
                                   MessageBox.Show("Error: " + ex.Message);
             private void btnWriteStream_Click(object sender,
EventArgs e)
                      using (WebClient wc = new WebClient())
                            try
                                   string url = txtURL.Text;
                                   byte[] data =
Encoding.UTF8.GetBytes(txtData.Text);
wc.UploadData(url, "PUT", data);
MessageBox.Show("Data uploaded
successfully.");
                             catch (Exception ex)
                                   MessageBox.Show("Error: " + ex.Message);
Step 4: Run the Application
                   1. Press F5 to run the form.
                                      Test each button:
Download \rightarrow saves a file from URL to Desktop.
Upload \rightarrow uploads a file to a server.
```

Read Stream → loads content from URL into

Write Stream  $\rightarrow$  sends TextBox content to a server.

TextBox.

```
if (!IsPostBack)
ShowEmployeeData();
private void ShowEmployeeData()
// Create data context
string connString =
Configuration Manager. Connection Strings\\
["Data Source Connection String"]. Connection String;\\
// Create data context
empDataContext db = new
empDataContext(connString);
// LINQ Query to select employee details
var empDetails = from emp in db.Employees
select emp;
// Bind to GridView
GridView1.DataSource = empDetails;
GridView1.DataBind();
}}}
```

Create 5 content pages and design it accordingly and use different Navigation controls to navigate between content pages.

#### 1. Create Project

- Open Visual Studio → ASP.NET Web Application (.NET Framework)
- Name: SMS1 → Empty template → Check Web Forms

#### 2. Add Master Page

- Right-click project → Add → Master Page → Site1.Master
- 2. Drag controls:

Header: <h1>CVR COLLEGE OF ENGINEERING</h1>
Menu: ASP:Menu with links to all pages
ContentPlaceHolder: ID=ContentPlaceHolder1
Footer: <div>© 2025 SMS. All rights reserved.</div>

#### 3. Add 5 Content Pages

Right-click project  $\Rightarrow$  Add  $\Rightarrow$  Web Form using Master Page  $\Rightarrow$  select Site1.Master:

Page Name Purpose

Home.aspx Dashboard / Welcome AddStudent.aspx Add new student

UpdateStudent.aspx Update student info
About.aspx About system / college info

#### 4. Add Navigation Controls on Master Page

<!-- Menu Control -->

<asp:Menu ID="Menu1" runat="server"

Orientation="Horizontal">

<Items>
 <asp:MenuItem Text="Home"</pre>

NavigateUrl="~/Home.aspx" />

NavigateUrl="~/AddStudent.aspx" />

<asp:MenuItem Text="View Students"
NavigateUrl="~/ViewStudent.aspx" />

<asp:MenuItem Text="Update Student"

NavigateUrl="~/UpdateStudent.aspx" />

<asp:MenuItem Text="About"

NavigateUrl=" $^/$ About.aspx" />

</ltems>

</asp:Menu>

#### <!-- HyperLink Controls -->

<asp:HyperLink runat="server"

NavigateUrl="~/Home.aspx">Home</asp:HyperLink> |

<asp:HyperLink runat="server"

NavigateUrl="~/AddStudent.aspx">Add Student</asp:HyperLink> |

student</asp:HyperLink> |
<asp:HyperLink runat="server"</pre>

NavigateUrl="~/ViewStudent.aspx">View

Students</asp:HyperLink> |

<asp:HyperLink runat="server"

NavigateUrl="~/UpdateStudent.aspx">Update

Student</asp:HyperLink> |

<asp:HyperLink runat="server"

NavigateUrl="~/About.aspx">About</asp:HyperLink>

#### <!-- SiteMapPath -->

 $\hbox{$\mbox{-} {\sf asp:SiteMapPath\ ID="SiteMapPath1"\ runat="server"\ />}}$ 

#### <!-- TreeView -->

<asp:TreeView ID="TreeView1" runat="server"

DataSourceID="SiteMapDataSource1" />

<asp:SiteMapDataSource ID="SiteMapDataSource1" runat="server" ShowStartingNode="False" />

5. Design Content Pages (Drag-and-Drop)

Home.aspx

<pre><h2>Welcome to Student Management System</h2> AddStudent.aspx <asp:label text="Student Name:"></asp:label><asp:textbox id="txtName" runat="server"></asp:textbox>  <asp:label text="Age:"></asp:label><asp:textbox id="txtAge" runat="server"></asp:textbox> </pre>	
<asp:button id="btnAdd" runat="server" text="Add&lt;br&gt;Student"></asp:button> ViewStudent.aspx <h3>All Students</h3> <asp:gridview autogeneratecolumns="True" id="GridView1" runat="server"></asp:gridview>	
UpdateStudent.aspx <asp:label text="Student ID:"></asp:label> <asp:textbox id="txtStudentID" runat="server"></asp:textbox> <asp:button id="btnLoad" runat="server" text="Load Details"></asp:button> About.aspx	
<h3>About SMS</h3> Information about the system and college. 6. Result Master Page: Consistent header, footer, and navigation. Navigation: Users can use Menu, HyperLink, TreeView, SiteMapPath, or buttons to move between pages. Content Pages: Display different information inside ContentPlaceHolder1.	