

DEPARTMENT OF COMPUTER SCIENCE
INSTITUTE OF MANAGEMENT AND RESEARCH, JALGAON

Name Chaudhari Yash Nitin
Expt. Title Demonstrate user Control having login form
Class SYMCA Batch B1 Performed on _____
Roll No. 26 Expt. No. 1 Submitted on _____
Remarks _____ Returned on _____

* **USER CONTROLS :-**

- 1) User Controls are one of ASP.NET method in increase reusability of code , implement encapsulation and reduce maintenance.
- 2) User Control is similar to web page . Both web Pages and user controls contain HTML elements and markup for Web Controls.
- 3) User Control are saved with ascx extension.

1) Syntax :-

```
<%@ Register tagprefix = "xyz" Tagname = "MyControl" Src = "~ / footer.ascx", %>
```

Where,

Tag Prefix : Prefix for user Control Tag.

This prefix will be used in markup Code later.

Tag Name :- Tag name of user control tag.

Src :- Path to ascx file.

* How to Create a user Control

1. Open Visual Studio 2013
2. File → New → Project then Select ASP.NET Web application.
3. Add a new web form.

To create a new user control in Solⁿ explorer add new item provide you file name & click add.

When you click on the add button you will see created file as a ascx extension.

Incomplete for :

- 1) Algorithm
- 2) Flow Chart
- 3) Programme Listing
- 4) Results
- 5) Comments

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin
Expt. Title Design registration form with Server Controls with Validation
Class SYMCA Batch B1 Performed on _____
Roll No. 06 Expt. No. 2 Submitted on _____
Remarks _____ Returned on _____

- 1) Design the registration page/form with web Server Controls of ASP.NET & apply proper validation's to it

⇒ Web Server Controls :-

It is special ASP.NET tags understood by the Server Web Server classes define in the :-

using System.Web.UI.WebControls namespace.

-] Label :- used to display text on the page.

Syntax :-

```
<asp:Label ID="Label1" runat="Server" Text="Name">  
</asp:Label>
```

-] Text Box :- used to create a text input in the form

Syntax :-

```
<asp:TextBox ID="TextBox1" runat="Server"  
Text="Name">  
</asp:TextBox>
```

-] Button :- used to create button.

```
<asp:Button ID="Button1" runat="Server"  
Onclick="Button_Click" Text="Submit">
```

-] Image :- used to show image within the page.

```
<asp:Image ID="Image1" runat="Server" height=  
"79px" width="121px">
```

-] Table :- used to create table.

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Steps :-

- 1] Open Visual Studio → file → New Web Site
- 2] Right Click on website → Add → Add new item → Name file.
- 3] Design login form with web Control (label, textbox, button etc)
- 4] Apply proper Validation on web Controls

For username → Required Field Validation

Email → Regular Expression.

Age → Regular Validator.

Password Compare → Compare Validation.

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin

Expt. Title Web page to Create data binding to Gridview Control.

Class SYMCA Batch B1 Performed on _____

Roll No. 26 Expt. No. 3 Submitted on _____

Remarks _____ Returned on _____

□ Demonstrate / Create Asp. NET Web Page to demonstrate Databinding to Grid View Control Using Data Adaptor.

* Data Adaptor :-

It acts as a bridge between Command object & dataset. It takes the data from the Command Objects & fills data set.

* Data Binding :-
The data is collected from a source is bound to the Controls that provide the read & write connections to the data.

Databases, XML Files, Flat Files etc are some of the data sources.

* Grid View :-
It is a control used to display data in tables on a web page.

It displays data in both rows & columns.

It helps to perform key activities like insert, delete, sorting & paging.

Steps :-

- 1] Open Visual Studio → File → Website → ok
- 2] Right Click on Website located at right side in Sol" Explorer.
- 3] Add → Add New Item → Select Web Form → give proper name to form
- 4] drag and drop two button namely 'login' & show label for user Name & Password and Textbox for input
- 5] drag & drop two button namely 'login' & show
- 6] drag & drop GridView Controller to show data which is entered by user.
- 7] You have to connect your Web Form with database
- 8] Open SQL Server management Studio → Copy server name → Create new database → Create new fields Username & Password → name to table → ok.
- 9] Open Visual Studio → double click on login button
Write Connection command Sql connection and Sqlcommand.

- 7] Use the button in Registration form → Add "Theme" = "Skin ID"
- 8] Select Skin ID = MyFile
- 9] Scan the login Page.

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin

Expt. Title Create Web Service having Simple Calculator Operations

Class SYMCA Batch B1 Performed on _____

Roll No. 26 Expt. No. 5 Submitted on _____

Remarks _____ Returned on _____

Steps

1] Open Visual Studio → File → New → Website →
ASP.NET Empty Website

2] Add New Item → Webform → Add
OR

To Create the opo follow the steps shown below

3] Create a new Project

Visual Studio → File → New Project → click

4] Create a Console Application

Select the Console Application

Create project with name = "CalculatorAPP"

The New project gets Created Successfully

5] There are four functions blocks → Addition,
Subtract Multiplication

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin
Expt. Title Design the Online Shopping form & display up in Panel
Class SYMCA Batch B1 Performed on _____
Roll No. 26 Expt. No. 6 Submitted on _____
Remarks _____ Returned on _____

* **Panel Controls :-**

It is work as a connection for other controls on the page

It also follows generating controls programmatically

Steps :-

1] Open Visual Studio 2013 → File → Website → etc

2] Right Click on Website → Add → Add New Item
→ Select Web Form → Given name → OK.

3] Design Web Form with Label

The User Provides the Number of Label Controls and TextBox to generate programmatically.

4] Change the Properties of the panel Using the Properties Windows

5] When you select a control on the design view the properties windows display the properties of the particular control & allow you to make changes without typing

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**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Dash Nitin
Expt. Title Design Online job Portal form With at least 5 Web Server Control and display data in textbox
Class SYMCA Batch B1 Performed on _____
Roll No. 26 Expt. No. 7 Submitted on _____
Remarks _____ Returned on _____

* Design Online job Portal form with at least Web Server Control & display o/p in textbox.

- 1] Visual Studio (Open) → File → Website → OK
- 2] Right Click on Website → Add → Add → New item
- 3] Select Web form → name to it login form aspx
- 4] design Page

Name : TextBox

Email : TextBox

Address : TextBox

Graduation : dropdown list

Job position : check Box

Submit : button

5] double click on button → Code for button

6] TextBox → Data fil. by user will display on TextBox

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin

Expt. Title Design the Online Shopping Form at least ASP Net

Class SYMCA Batch B1 Performed on Survey Control and display Output Panel

Roll No. 26 Expt. No. 08 Submitted on _____

Remarks _____ Returned on _____

Step 1

Open Visual Studio > File > New > ASP.NET Empty Website

Step 2

Solution Explorer → Right Click → Website Project
→ Add → Add New Item

Step 3

Click on → Web Form Button → Add

Step 4

Click on → design Button

Step 5

Add → RadioButton for Payment

Step 6

Apply appropriate Validations

- Required Field Validator
- Compare Validator
- Range Validator
- Regular Expression Validator
- Validation Summary

Step 7

Click on → Run Button

Run Project as output is ready

Incomplete for :

1) Algorithm

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin
Expt. Title Design the Online Job Portal From With at least ASP.NET
Class S.Y.M.C.A Batch B1 Server display Output text area
Roll No. 26 Expt. No. 8 Submitted on _____
Remarks _____ Returned on _____

Step 1 :- Select Data Grid View Control and Click at Smart Property

Step 2 :- After clicking a pop-up windows Will be open

Step 3 :- Click ComboBox

Step 4 :- Click Add Project Data Source (look at above figure) A New Windows will be opened to choose data source Type

Step 5 :- Choose Database (By default it is Selected) and click the next button A New Windows will be open.

Step 6 :- Select dataset (By default it is Selected) and click a next button A New Windows will be open.

Step 7 :- Click a New Connection button

Step 8 :- Write server name User name and Password of your SQL Server and Select Database Name

Step 9 :- Click on "OK" button After clicking ok button you will reach the Data Source Configuration Wizard .

Step 10 :- Click other next button

Step 11 :- Click on Table to explore all tables of Your database

Step 12 :- Click on the Selected Database table to explore all Column

Step 13 :- Check the Check Box to Select Column

Incomplete for :

- 1) Algorithm
- 2) Flow Chart
- 3) Programme Listing
- 4) Results
- 5) Comments

Step 14 :- Click the Finish button you will note that the Data Grid View will show all column of the table (Here "Student - detail")

Step 15 :- Run the application

Data binding is the process that couple data source together and synchronize them with data binding a change to an element in data set

What is data list used for

The <data list> tag is used to provide an auto complete feature for <input> elements users will see a drop down list of pre-defined options as they input data

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin

Expt. Title Project

Class SYMCA Batch B1 Performed on 10/10/2023

Roll No. 26 Expt. No. 10 Submitted on 10/10/2023

Remarks _____ Returned on _____

Introduction

ASP.NET AdRotator Control allows developers to place image ads on a web form and provides programmatic functionality that enables the development of custom logic to track advertise click. The AdRotator Control randomly select banner ads from a list that is specified in an external XML. The XML also has a click URL.

Step 1 :

ASP.NET Website Project
Start Visual Studio and Create a new ASP.NET Website.

Step 2 :

Create the Ad XML file
Add a new XML file using Add new item in Visual Studio. Right Click on Visual Studio Project name in Solution explorer Add new item, Select XML file

Step 3 :

Place on AdRotator Control
Drag and drop AdRotator Control from the toolbox to the Web form. The code will look like this without the Advertisementfile.

```
<asp:AdRotator ID="AdRotator1" runat="Server"  
Target = "-blank"/>
```

complete for :

-) Algorithm
-) Flow Chart
-) Programme Listing
-) Results
-) Comments

Step 5 :

Bind XML File

There are two ways to bind the XML File on a Page first is to drag and drop an XML Data Source from the Toolbox to the Web Form and Configure it with our Ad XML file We've Created earlier.

Step 6 :

Build and run

Now build and run your application

The output should be like this . The ads are being displayed in the control.

Ad 1
Ad 2
Ad 3

Ad 4
Ad 5
Ad 6

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin
Expt. Title Demonstrate DataBinding in DataList with Student Table (sgns, name, marks) using ADO.NET VB.NET
Class SYMCA Batch B1 Performed on _____
Roll No. 26 Expt. No. 11 Submitted on _____
Remarks _____ Returned on _____

Step 1 :- Creating the Master Page

The first steps is to create the Master Page for the site

The files on our project.

To create a Master Page → right click on the Project name in the Solution Explore Choose Add New Item → Then select the Master Page type the list of template and name it site Master.

Step 2 :- Add a New Master Page to the Website (Click to view full size image)

Define the Site-Wide page layout here in the Master Page you can use the Design View The Master Page, When Viewed Through the Design View

Step 3 :- Adding a Homepage to the Website with the Master page define We're ready to add the ASP. Net Page for the Website

Step 4 :- Default.aspx our Website homepage Right click on the Project name in the Solution Explorer → choose Add New Item → Webform file Default.aspx → check the Select "Master Page" check box

Step 5 :- Add a New web form checking the Select Master page check box.

Incomplete for :

- 1) Algorithm
- 2) Flow Chart
- 3) Programme Listing
- 4) Results
- 5) Comments

Choose the Master Page this ASP.NET Page should use
The design view for this ASP.NET Page Show Path
the Editable and non-Editable Regions

Step 6 :- Creating a Site Map

Add a site map to your project

The site map Represents a hierarchical / Navigational
Structure

Step 7 :- Displaying a Menu Based on the site map

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin
Expt. Title Create a website in ASP .Net Containing AdRotator & Calender Control
Class SYMCA Batch B1 Performed on _____
Roll No. 26 Expt. No. 12 Submitted on _____
Remarks _____ Returned on _____

Step 1 :-

Create a ASP .NET Web Site Project

Step 2 :-

Give Project name: List Box Sample

Now right click on Solution Explorer and
Add New Web Page/Form

Step 3 :-

Right click → ADD → ADD NEW ITEM

Add the WebForm, named; Simple ListBox Bind.
.aspx

Step 4 :-

In simple ListBox Bind.aspx we are going to bind List box form database with multiselections Options Now double Clicked on Simple list Box Bind.aspx file Drag n Drop the list Box Control on aspx page.

Step 5:-

Smart Tag menu Options

- Choose Data Source Non-programmatically and with Wizard we can populated list Box item
- Edit item Hard Coded item for list Box
- Enable Auto post Back : Mark and reddy list Box Select any item(s)
- Now right click on Solutain Exploer and Add New Web Page /form

Right Click → ADD → ADD NEW ITEM

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Step 6:-

Give file name List Box Selection .aspx

Now double clicked on simple Box Bind /aspx . File
Drag and Drop the list box Control on aspx page

Step 7 :- Be select list Box Item form database

Now, we are going forward for pre-Select List Box Item programmatically.

Now right Click on Solution Explorer and Add New Web Page / form

Right click → Add → Add NEW ITEM

Step 8 :-

Following are our page Selected Value

- ASP.NET Web form
- C#
- Java script
- VB .NET

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin

Expt. Title Demonstrate Data binding in Data list With Student Table (Sno, marks) using ADO Net Various Template #
Class SYMCA Batch B1 Performed on _____

Roll No. 26 Expt. No. 13 Submitted on _____

Remarks _____ Returned on _____

Step 1 :-

Check the Check Box of Use Data Bound/Items

Step 2 :-

Click on the down arrow of the Data Source

Step 3 :-

Click a Add Project Data Source link A New Window will open

Step 4 :-

Select "Database" as Data Source (By default Database is selected) click the next button
A New window will open

Step 5 :-

Select "Dataset" as Database Model (By default Dataset selected) click the next button A New window will open

Step 6 :-

Click a New Connection button A New windows will open In the New Window enter the Server name (I have used SQL) Write user name and password of your SQL Server and Selected database (I have selected "Student")

Step 7 :-

click the "OK" button Now a Connection has been made to the Student database You will look at the Data Source Configuration "Wizard" Window

complete for :

algorithm

flow Chart

programme Listing

Results

Comments

Step 8 :- Click the next button

Step 9 :- Click the plus (+) Sign to explore all tables of the student Database

Step 10 :-

Again the plus sign for student, details to Show all column of the database table check the all checkbox.

Step 11 :-

Click on the finish button Now the Display Member and value member property of ComboBox Click at down arrow of display member and select rollnd Some as set "name" as Value member property.

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yosh Nitin

Expt. Title ASP.NET Webpage to demonstrate LINQ to SQL Object and 17

Class SYMCNA Batch B1 Performed on _____

Roll No. 26 Expt. No. 14 Submitted on _____

Remarks _____ Returned on _____

Step 1 :-

Creation of LINQ to SQL and use in Web application

Step 2 :-

Now we select → ASP.NET Empty Web application and give the project name as LINQ TO SQL → Click ok

Step 3 :-

Create a DBML File DBML > Write LINQ Queries to get the data from SQL Database

Step 4 :-

right click on the project → go to Add → Select New item → Select template LINQ to SQL and give name as student.

Step 5 :-

After Adding the LINQ to SQL dbML File the window will be opened

Step 6 :-

Now open the Server Explorer → right click on the Data Connection → Select Add Connection

Step 7 :-

After Selecting the Add Connection → choose Data Source Here we will connect to the existing database → Select microsoft SQL Server → click on continue

Step 8 :- Now enter the database Server details to connect

rr:

> Listing

Step 9 :- click the OK button → After adding the database Now → create new table Student data.

Step 10 :- After creating the Student data table in a database

Step 11 :- Now we will drag and drop in the table Student dbML file

Step 12 :- right click on the application → Select Add → New item → Select Web Form → Give name as Default.aspx and click ok button.

Step 13 :- Now we will Open the Default.aspx Page and Write the code design the phase of the application

Step 14 :- Now we will run the Code and see the output.

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin
Expt. Title ASP.NET Web Form having dropdown list bounded through
Class SYMCA Batch B1 hash table Selected Value
Roll No. 26 Expt. No. 15
Remarks _____
Performed on _____
Submitted on _____
Returned on _____

Step 1 :-

Create a ASP.NET Web Site Project

Step 2 :-

Give project Name listBox Sample

Now right click on Solution Explorer and add New web form

Step 3 :-

Right click → ADD → ADD NEW ITEM

Add the Web Form named Simple listBox Bind **ASPx**

Step 4 :-

In simple listBox.aspx. We are going to bind listBox from database with multi Selections options. Now double clicked on Simple listBox Bind **ASPx** File Drag n Drop the listBox control on **ASPx** page.

Step 5 :-

Smart Tag menu Options

- Choose Data Source Non Programmatically and with Wizard we can populate listBox item
- Edit item Hard Coded item for listBox
- Enable Auto Post Back mark and ready list box for Auto Post back to Server while we selects any item(s)

Now right click on Solution Explorer and Add New web Page / Form

Right click → ADD NEW ITEM

Step 6 :-

Give file name List Box Select item.aspx

Now double clicked on Simple List Box Bind

aspx File Drag on Drop list Box Control
on aspx page

Step 7:- Be select list Box item From database

Now we are going forward for Pre-Selected List Box item programmatically Now right click on Solution Explorer and Add New Web page/Form

Right Click → ADD → ADD NEW ITEM

Step 8 :-

Following are our Pre selected values

- ASP.NET Web form
- C#
- JavaScript
- VB .NET

**DEPARTMENT OF COMPUTER SCIENCE
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Name Chaudhari Yash Nitin
Expt. Title Create an ASP.NET Web form having drop down list bounded through hast table Display user text with Selected value
Class SYMCA Batch B1 Performed on _____
Roll No. 26 Expt. No. 16 Submitted on _____
Remarks _____ Returned on _____

Step 1 :-

Create Data Base

- 1) Right click the App Data Folder in the Solution Explorer window and Select the menu option Add New item
- 2) Select the Data Category the select the SQL Server Database template (See Figure)
- 3) Name your New database movies DB.mdf and click the Add button

Step 2 :-

Creating these steps to launch the Entity Data model Wizard

- 1) Right Click the Model Folder → Solution Explorer window select the menu → Option Add New item
- 2) Select the Data → Select the ADO.NET Entity Data Model Template → Data Model → Movies DB Model edmx → click the Add button Microsoft SQL server Database

Step 3 :-

Create a ASP.NET Web Site Project

Give Project name List Box Sample

Now right click on the Solution Explorer and Add New web Page / form

~~Right click~~ → ADD NEW ITEM

Incomplete for :

- 1) Algorithm
- 2) Flow Chart
- 3) Programme Listing
- 4) Results
- 5) Comments

Step 4:-

Add the Web Form name Simple List Box Bind .
ASPX In Simple List Box Bind.aspx → bind List
Box from database → Now double clicked on
Simple list Box Bind.aspx File Drag n Drop the
list Box control on ASPX page.

Step 5:-

Check the establish connection between backend &
front end

Step 6:- CODE of list Box Selection item.aspx File &
CODE of list Box Selection.aspx.cs File

Step 6:-

Check the establish connection between backend &
front end

Step 7:-

Now run code / Project Successfull or not

**DEPARTMENT OF COMPUTER SCIENCE
INSTITUTE OF MANAGEMENT AND RESEARCH, JALGAON**

Name Chaudhari Yash Nitin
Expt. Title Create an ASP.NET Web Form having List Box bounded through
may list allow multiple display by user on web page
Class SYMCA Batch B1 Performed on _____
Roll No. 26 Expt. No. 17 Submitted on _____
Remarks _____ Returned on _____

Step :-

- 1] Open Visual Studio → file → Website → OK
- 2] Right click on Website → Add → Newitem
- 3] Select Web Form → give name default.aspx → OK
- 4] Create simple login form with Web control drag n drop list box and
- 5] Padding in list in list box
To bind data to a list box Control first Create a listbox Control in aspx page
- 6] Add the Array list in list page
- 7] run the page.

Incomplete for :

- 1) Algorithm
- 2) Flow Chart
- 3) Programme Listing
- 4) Results
- 5) Comments