

Expt. Title Demonstrate user control having login form

Class SYMCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 1 Submitted on _____

Remarks _____ Returned on _____

User Controls:-

- 1] User controls are one of the ASP.NET method to 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 .aspx extension.

4] Syntax:

```
<%@Register Tagprefix="xyz" Tagname="MyControl"  
    Src = "~/Footer.aspx" %>
```

where,

Tag prefix: Prefix for user control tag
This prefix will be used in mark-up code later.

Tag Name: Tag name of user control tag.

Src: Path to aspx file.

* How to create a user control

Step 1: Open VS Visual Studio 2013

Step 2: File → New → Project then select ASP.NET Web Application.

Step 3: Add a new web form

To create a new user control in solution explorer, add new item provide you file name & click on Add.

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

File name:

File type:

File size:

File path:

File content:

File status:

File location:

File creation date:

File modification date:

File last access date:

File last write date:

File last update date:

File last modified date:

File last checked date:

Expt. Title Design registration form with Server controls with validation.

Class SYMCA Batch B4 Performed on _____

Roll No. 130 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

page

i) Label: used to display text on the page

Syntax:

```
<asp:label ID="Label1" runat="server" Text="Name">
</asp:label>
```

ii) TextBox: used to create a text input in the Form.

Syntax:

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

iii) Button: used to create button

Syntax:

```
<asp:Button ID="Button1" runat="server"
    onclick="Button1_Click" Text="Submit" />
```

iv) Image: used to show image within the page.

```
<asp:Image ID="Image1" runat="server"
    height="75px" width="125px" />
```

v) Table:- use to create table

Step 5:-

Step 1:- Open visual studio → file → new web site

Step 2:- Right click on website → Add → Add new item
→ names file

Step 3:- Design login form with web control
(label, textbox, button, etc)

Step 4:- Apply proper validation on web control
for username → Required-Field Validation.
Email → Regular Expression
Age → Range Validator

1. Default password → compare Validator.

2. Email → compare Validator.

3. Age → compare Validator.

4. Password → compare Validator.

5. Confirm Password → compare Validator.

6. Gender → compare Validator.

7. Gender → compare Validator.

8. Gender → compare Validator.

9. Gender → compare Validator.

10. Gender → compare Validator.

11. Gender → compare Validator.

12. Gender → compare Validator.

13. Gender → compare Validator.

14. Gender → compare Validator.

15. Gender → compare Validator.

16. Gender → compare Validator.

17. Gender → compare Validator.

18. Gender → compare Validator.

Expt. Title Web page to create data binding to Gridview.
Class SYMCA Batch B-4 Control
Roll No. 130 Expt. No. 03 Submitted on _____
Remarks _____ Returned on _____

Demonstrate / create ASP.NET Web page to demonstrate Databinding to GridView control using Data Adapters.

1 Data Adapter:-

- It acts as a bridge between command object & dataset. It takes the data from the command objects & fills data set.

2 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.

3 Grid View:-

It is a control used to display data in tables on a web page.

It displays data in both row & column.

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 right side in Solution Explorer,

3] Add → Add New Item → Select web Form → given proper name to Form

- 4) drag & drop two label for user Name & password and TextBox for input.
- 5) drag & drop two buttons namely 'Login' & 'show'.
- 6) drag & drop GridView controller to show data which is entered by user.
- 7) you have to connect your webform 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 i.e. sql connection & sql command.

Expt. Title Create asp.NET website for an institute to demo.
master page using thin skin.

Class SYMCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 4 Submitted on _____

Remarks _____ Returned on _____

* Master Page!:-

Master page provides the layout & functionality to other pages.

You can specify a master page that includes a header element, a footer element, & layout properties such as orientation & borders.

Steps:-

- 1) Open visual studio 2013 → File → New website
OK
- 2) In soln explorer → right click on website → Add → New item add → select master page → Name to master page as 'My Master Page.master'
- 3) Design master page with table, images, menu, & content place holder.
- 4) Add other web form having extension .aspx i.e. Home page
About Page
Login Page
Registration Page.
- 5) In login page → create form with web controls → use button → properties
- 6) Create New skin file
right click on website → select skin file → past the code of button with id will be "SkinID = "MyFile".

Listing

7] use the button in Registration Form → add "Theme = "skinID"

8] select skinID = MyFile in to Utilities

9] run the login page.

10] click on the login button.

11] enter the login details.

12] click on the login button.

13] click on the login button.

14] click on the login button.

15] click on the login button.

16] click on the login button.

17] click on the login button.

18] click on the login button.

19] click on the login button.

20] click on the login button.

21] click on the login button.

22] click on the login button.

23] click on the login button.

24] click on the login button.

25] click on the login button.

26] click on the login button.

27] click on the login button.

28] click on the login button.

29] click on the login button.

30] click on the login button.

31] click on the login button.

32] click on the login button.

33] click on the login button.

34] click on the login button.

35] click on the login button.

36] click on the login button.

37] click on the login button.

38] click on the login button.

39] click on the login button.

40] click on the login button.

41] click on the login button.

42] click on the login button.

43] click on the login button.

44] click on the login button.

45] click on the login button.

46] click on the login button.

47] click on the login button.

48] click on the login button.

49] click on the login button.

50] click on the login button.

Expt. Title Create web service having Simple calculator operation

Class 84MCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 5 Submitted on _____

Remarks _____ Returned on _____

Steps:-

- 1) Open visual studio → File → new → website
→ ASP.NET Empty website.
- 2) Add New Item → Web Form → Add

OR

To create the app, Follow the steps shown below.

- 1) Create a new project
visual studio → File → new project → click
- 2) Create a console Application.
Select the console app
Create project with name "calculator App"
- 3) The new project gets created successfully
There are Four Function blocks → Addition,
Subtraction, Multiplication,

Expt. Title Design the online shopping form & display it in panel.

Class SYMCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 6 Submitted on _____

Remarks _____ Returned on _____

2) Panel controls:-

It is work as a container, For other controls on the page.

It controls the appearance & visibility of the controls it contains.

It also allows generating controls programmatically

Steps:-

- 1) open visual studio 2013 → file → website → ok
- 2) right click on website → Add New item
→ select web Form → give name → ok
- 3) Design web Form with label
The user provides the number of label controls and textboxes to be generated on the panel. The controls are generated programmatically.
- 4) change the properties of the panel using the properties windows.
- 5) When you select a control on the design view, the properties window display the properties of the particular control & allows you to make changes without typing.

Listing

Expt. Title Design online job portal form with at least 5 web server controls & display o/p in textbox
Class SYNCA Batch B-4 Performed on _____

Roll No. 190 Expt. No. 07 Submitted on _____

Remarks _____ Returned on _____

* Design online job portal form with atleast 5 web server controls & display o/p in text area.

- 1] Visual studio (open) → file → website → ok
- 2] Right click on website → Add → Add New Item
- 3] Select web form → name to it loginform.
aspx"
- 4] design page i.e.
 - 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 fill by user will display
on textbox .

Expt. Title Create a complete ASP.NET web form for Pizza delivery

Class SYMCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 8 Submitted on _____

Remarks _____ Returned on _____

- * Create a complete web form for pizza ordering system. Take web server controls like dropdown list dropdownlist for pizza selection radiobutton for payment, textbox for name, textarea for address & onclick of submit button display users choice on the screen, Apply appropriate validations.

Steps:-

- 1] Open visual studio 2013 → File → Webform → ok
- 2] Right click on website → Add → Add new item → web form (select) → given name to page → ok.
- 3] To create pizza delivery (pizza ordering system)
use label for customer name, select pizza, no. of pizza, payment & address. use textbox.
 - * Customer Name → textbox → Required-field Validator
 - * Select pizza → dropdown list → Required field
 - * No. of pizza → textbox → Required Field Validator
 - * Payment → radio button.Address → textbox with multiline property.
- 4] Apply proper validation on the fields
drag & drop required validation form Validator control to fields.

Listing

5] Run the page. in any browser.

Expt. Title Demo. DataBinding in Datalist using ADO.NET

Class SYMICA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 9 Submitted on _____

Remarks _____ Returned on _____

* Demonstrate Data Binding in Datalist with Student table (gno, sname, marks) using ADO.NET. Also demonstrate various templates.

1] Databinding :-

Databinding allows you to take the result of properties, collection, method, cells & database queries & integrate them with your ASP.NET code. You can combine data binding with web controls rendering to relieve much of the programming burden surrounding web control creation.

You can

2] ADO.NET

It is set of classes to interact with data sources such as databases & XML files. ADO is the acronym for ActiveX Data objects.

It has classes & methods to retrieve & manipulate data.

Steps:-

1] Open visual studio 2013 → File → Website
→ OK

2] Right click on website → Add → Add New Item

Listing 3] Select Web Form → OK

- 4] Create simple student login Form in web form.
- 5] To connect this web site with backend server.
SQL Server → open → Create New Database
New Query → Create Table → Name 'Student' →
Enter Fields sno, Sname, Smarks with proper
datatype → Save it.
- 6] Open visual studio → double click on button →
add connection statement in it
- 7] Now test the configured query, is it working or
not
- 8] Run code.

Expt. Title Create a website in ASP.NET containing Adrotator & calendar control.

Class SY MCA Batch B4 Performed on _____

Roll No. 130 Expt. No. 10 Submitted on _____

Remarks _____ Returned on _____

1) ~~The~~ Adrotator:-

The Adrotator control randomly select banner graphics from a list, which is specified in an external xml schedule file is called the advertisement file.

It allows you to specify the advertisement file & type of window that the link should follow in the advertisement file & the Target property respectively.

<asp: Adrotator runat="server" advertisement-File="adfile.xml" Target="-blank" />

2) Calendar control:-

object → control → webcontrol → calendar

The calendar is complex, powerful web server control that you can use to add a calendar to your web page.

We can use calendar control to display any date between 0.A.D & 9999 A.D.

Steps:-

1) Open Visual Studio 2013 → File → Create Website → OK

2) Create web Form by clicking on Solution Explorer (right click) → Add →

Add New item → Select new web Form → Name to Webform → OK.

string

3] To use Adrotator & calendar:-

drag & drop Adrotator & calendar control from toolbox

4] For Adrotator → download an image

create XMLFile.xml file & use this image in it.

5] run the code

Expt. Title website that helps the user navigate your website using sitemap

Class SYMCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 11 Submitted on _____

Remarks _____ Returned on _____

* create ASP.NET website that helps the user navigate your website using sitemap

3) sitemap:-

sitemap control basically used to access webpage of the website from one web page to another. It is a navigation control & displays the map of the site related to its web pages.

The map includes the pages in the particular website & displays the name of those pages.

You can click on that particular page in the site other pages.

steps:-

- 1] Open visual studio → File → create new project.
- 2] In project → select ASP.NET empty web Application.
- 3] Right click on website → Add → new Item
→ Add web form named Home.aspx.
- 4] Add new web Form named product Group.aspx
- 5] Add new web Form named plastic Items.aspx
- 6] Add new web Form named Furniture.aspx.

7] Add sitemap File

Right click on project & select sitemap.

8] double click on it and type code

9] Now run application

I had typed Furniture.aspx in address bar.

Now I can see the page with all the relevant elements.

So now it is clear that we have implemented

the sitemap file which is used to map the

url with the relevant pages and also

it will be used to crawl the website.

From here we can see that the

sitemap file is used to map the url

to relevant pages & also to make

the crawling of the website easier.

So now we have the sitemap file

which is used to map the url at

the relevant pages & also to make

the crawling of the website easier.

Also inform that the sitemap file

is used to map the url at the relevant

pages & also to make the crawling

of the website easier.

So now we have the sitemap file

which is used to map the url at the relevant

Expt. Title Create an ASP.net Form having list box bounded through hash table.
Class SYMCA Batch B-4 Performed on _____
Roll No. 130 Expt. No. 12 Submitted on _____
Remarks _____ Returned on _____

create an asp.net Form having list box bounded through hash table. Allow multiple selection listbox & display multiple values selected by user on a web page.

Hash table:-

Hash table is a collection that store (key, value) pairs.

Here keys are used to find the storage location. A Hash table is immutable & cannot have duplicate entries.

The .Net Framework has provided a Hash table access that contains all the functionality required to implement a hash table without any extra coding.

Listbox:-

It provide as a user interface that will display the list of the items. From there, the users can select one or more items from the list.

Expt. Title Demonstrate data binding in Data list with step 2
Class SYMCA Batch B-4 Performed on _____
Roll No. 130 Expt. No. 13 Submitted on _____
Remarks _____ Returned on _____

Step 1:-

check the checkbox 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
click the next button A new window
will open.

Step 5:- select "Dataset" as Data base Model
(By default) click on next button A
new window will open.

Step 6:- click a New connection button q
new windows will open In the New
window enter the servername.

Step 7:- click the "OK" button Now a conne-
ction has been made to the student
database you will look at the Data
Source Configuration "Wizard" window

Step 8:- click the next button.

Step 9:- click the plus(+) sign to explore all tables
the student Database.

Step 10:- Again the plus sign for stud. details to
show all column of the database table
check the all checkbox

Step 11:- click on the finish button now the
Display member & value member property

Expt. Title LINQ to SQL object & perform diff. operation

Class SYMCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 14 Submitted on _____

Remarks _____ Returned on _____

Demonstrate LINQ to SQL object & perform different operations on it.

- * Offers an infrastructure for the management of relational data as objects.
- * Does translation of language integrated queries of the object model into SQL.
- * After obtaining the results from the database, LINQ to SQL again translates them to objects.

STEPS:-

- 1] STEP 1:- Right click on the model folder in the SQL explorer then go to Add & click on class
- 2] choose "LINQ to SQL classes" from list & provide the name user for the dbml name. After the click on 'Add'
- 3] Drag the user table from the database in the server explorer & drop onto the O/R designer surface of the "user.dbml" file
- 4] create New user.
Create two actions in the controller, one for the new user to create a view (Get action) & another for

submitting new user details to the repository
(post action). These have the same name.

5] Create & update user details .

Create two actions in the controller. one for an existing user edit view & another for submitting the updated user details to the repository .

6] Delete user:-

Create two actⁿ in the controller one to show the details of the user after clicking on the Delete link (get action) & another to delete the user (post action)

one is the delete action that override the delete confirmed method.



Create an ASP.NET web form having dropdownlist
Expt. Title bound through hashtable display user text with appropriate
selected value.

Class S.Y.MCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 15 Submitted on _____

Remarks _____ Returned on _____

* ① Dropdown list bounded through hash table
display user's

Dropdownlist:-

A dropdownlist is also commonly known as comboBox.

e.g. i) Add list items to dropdownlist:

```
<asp:ListItem>Blue</asp:ListItem>
```



Hash table:-

- In Hashtable, the key cannot be null, but value can be.
- In hashtable, key objects must be immutable as long as they are used as keys in the Hashtable.

Steps:-

Step 1:- Visual Studio 2013 → File → web-site → OK.

Step 2:- Right click on website → Add → Add New Item

Step 3:- Select web form → "Default.aspx" page.

Step 4:- This function will bind the dropdownlist from array list

or:

Listing

Step 5:- This func will bind the dropdownlist
from HashTable.

Step 6:- double click on button → code for button.

Step 7:- dropdownlist → data fill by user will display
on textbox.

* Expt. Title bored through array list display user text with appropriate selected value

Class SYMCA Batch B-4 Performed on _____

Roll No. 130 Expt. No. 16 Submitted on _____

Remarks _____ Returned on _____

* create an ASP.NET web form having dropdown list bounded through array list display user text with appropriate selected value.

1. Dropdown List

The dropdown list is collection of a string file you can directly add item in the list but consits item is a collection many type of compositer types like a in the string as well as class.

Steps:-

Step 1:- Visual Studio 2013 → File → website
→ OK

Step 2:- Right click on website → Add
→ Add new Item.

Step 3:- select web Form → "default.aspx"

Step 4:- Design page

click the → View → ToolBox → dropdown list → drag on drop "Default.aspx" page

Step 5:- Dropdown list click the arrow, button & edit items.

site for:
im
chart

Expt. Title Create website having list box bounded through array.
Class SYMCA Batch B-4 Performed on _____
Roll No. 180 Expt. No. 17 Submitted on _____
Remarks _____ Returned on _____

- * Create an Asp.NET web Form having list box bounded through array list. allow multiple selection list box & display multiple values selected by user on a web page.

Steps:-

- 1) open visual studio → File → web site → ok
- 2) Right click on website → Add → New Item
- 3) select web Form → give name default.aspx → ok
- 4) Create simple login form with web control
drag & drop list box &
- 5) ~~Adding list in listbox~~
To bind data to a listbox control, First create a Listbox control in an .aspx page! -
- 6) Add the Array listbox
- 7) run the page.