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INSTITUTE OF ENGINEERING & MANAGEMENT

PHOTO GALLERY

VERSION 1.0

Presented By

Manish Kumar Gupta

Under guidance of :

IEM INDUSTRIAL TRANNING

Acknowledgement

I present herewith pride & pleasure the work of **"Photo Gallery"** with the help of **'ASP DOT NET'** aimed to supplement the scholastic attainment as required under the regulation of West Bengal University of Technology (WBUT).

Life of human being is full of interaction. No one is a self-sufficient by himself. In our daily life we go ahead by acquiring something from each other. Whenever anyone is doing serious and important work, where a lot of help and guidance from many people concerned is required, one feels obliged to them. The guidance and cooperation during the project work has left a long impression in our mind and while giving the final shape to our project report. I would like to take a minute to acknowledge those who made this project possible for me.

IEM Industrial Tanning from College, without his timely co-operation and valuable guidance the completion of this project would have been a difficult task.

All faculty members of CSE department who provide their valuable suggestion & knowledge regarding the project.

ABSTRACT

This project is all about an online registration system of the customers who visit this webpage. So here any customer can login if they create an account here & they can also check out different aspects.

If they are interested, then they can fill-in the provided form & get registered.

CONTENTS

CHAPTER: I

01. INTRODUCTION
02. OBJECTIVES
03. ABOUT THE PROJECT
  (A) PROJECT IN BRIEF
  (B) PROJECT IN DETAIL
04. FEASIBILITY ANALYSIS
  (A) TECHNICAL FEASIBILITY
  (B) ECONOMICAL FEASIBILITY

CHAPTER: II

05. SYSTEM IMPLEMENTATION
06. PLATFORM USE
  (A)HARDWARE USE
  (B)SOFTWARE USE

CHAPTER: III

07. DATA FLOW DIAGRAM
08. ER - DIAGRAM

CHAPTER: IV

09. CODING

(A) Default.aspx

(B) Default.aspx.cs

(C) register.aspx

(D) register.aspx.cs

(E) register.css

(F) common.css

(G) cat1.aspx

(H) cat1.aspx.cs

(I) cat2.aspx

(J) cat2.aspx.cs

(K) cat3.aspx

(L) cat1.aspx.cs

(M) cat4.aspx

(N) cat4.aspx.cs

(O) fullsize.aspx

(P) fullsize.aspx.cs

CHAPTER: V

10. SCREEN SHORTS

(A)Register Page

(B)Login Page

(C)Welcome Page

(D)Home Page

(E)User Login Database

(F)Image Database

CHAPTER: VI

11. Conclusion

(A)Further Scope

(B)System Testing & Maintenance

(C)Enhancement scope

(D)Conclusion

Bibliography

CHAPTER: I

01. Introduction

The main purpose of a photo gallery is to link other web sites by categorizing them into different sections. Sort of like an online filling cabinet, but the sites do not necessarily have to be in alphabetical order, but majority of web directories have their categories and topics in alphabetical order, but it is not a must.

The software is for online registration of any customer.

For example, if you're performing an online search for some species, you would search under the wildlife link or tab, depending on the site. If you interested to view some special photo like nature, places etc you can select different category according to your choice. Photo Gallery are there to help you online, they are basically a helping aide or a tool to help you find your way online for some special picture captured by special talented photographer.

02. OBJECTIVES

In our modern era of organization of web development it is very important to keep the data and image into an organized manner so that when requited it could be fetched out from the location. This organization of data is done by using various ways.

In this project the goal is to development an efficient and user friendly basic website to take different category images to save and retrieve when required.

The overall scope of this project is to develop a basic website which is better or effective as per as complexity and also user friendly.

03. About The Project

This Project has been created by the student of **4th Year B.Tech in Computer Science & Engineering** as a part of my final year summer training project.

This project has been created by **Manish Kumar Gupta** working under guidance of **IEM Industrial Training Group** in college on **Photo Gallery** website.

My aim is to study and understand the different technology and aspect of ASP DOT NET. The overall objective is to understand and make a photo gallery website.

(A) Project In Brief

There will be some major components:

- Viewer registration process.
- Viewer login process.

Proposed system provides with following solutions to the manual process:

- It provides better and efficient service.
- Reduce the workload of the stuffs.
- Provide facility for proper monitoring, reduce paper works & provide data security.

(B) Project In Detail

Area:- Online Photo Viewer

Software Name:- Photo Gallery

Responsibility:- Project development, testing and Implementation

Front End:- ASP DOT NET.

Back End:- Microsoft SqlServer.

Project type:- Web Based Project.

Under By :- IEM Industrial Training Group

04. Feasibility Analysis

Whatever we think need not be feasible. It is wise to think about the feasibility of any problem we undertake. Feasibility is the study of impact, which happens in the organization by the development of a system. The impact can be either positive or negative. When the positive dominates the negatives then the system is considered is feasible. Here the feasible study can be performed in two ways such as Technical Feasibility and Economical Feasibility.

(A) Technical Feasibility

We can strongly say that it is technically feasible, since there will not be much difficulty in getting required resources for the development and maintaining the system as well. All the resources needed for the development of the software as well as the same is available in the organization itself.

(B) Economical Feasibility

Development of this application is highly economically feasible. The organization needed not spend much money for the development of the system already available. The only thing is to be done is making an environment for the development with an effective supervision. If we are doing so, we can attain the maximum usability of the corresponding resources. Even after the development, the organization will not be in a condition to invest more in the organization. Therefore, the system is economically feasible.

CHAPTER: II

05. System Implementation

The systems implementation is a process of construction and delivery phases of the life cycle. Systems implementation is the construction of the new system and the delivery of that system into production.

Stages Of Implementation Area

I. Analysis of the project
II. GUI Design
III. Coding (Individual testing method)
IV. Database Design.
V. Testing
VI. System testing
VII. System maintenance.

06. Platform Use

(A) Hardware Use

- Processor (Intel, AMD minimum 1 GHz speed)
- Hard Disk (minimum 7 GB free space)
- RAM (512 MB or more)
- Video memory(minimum 16MB)
- Keyboard

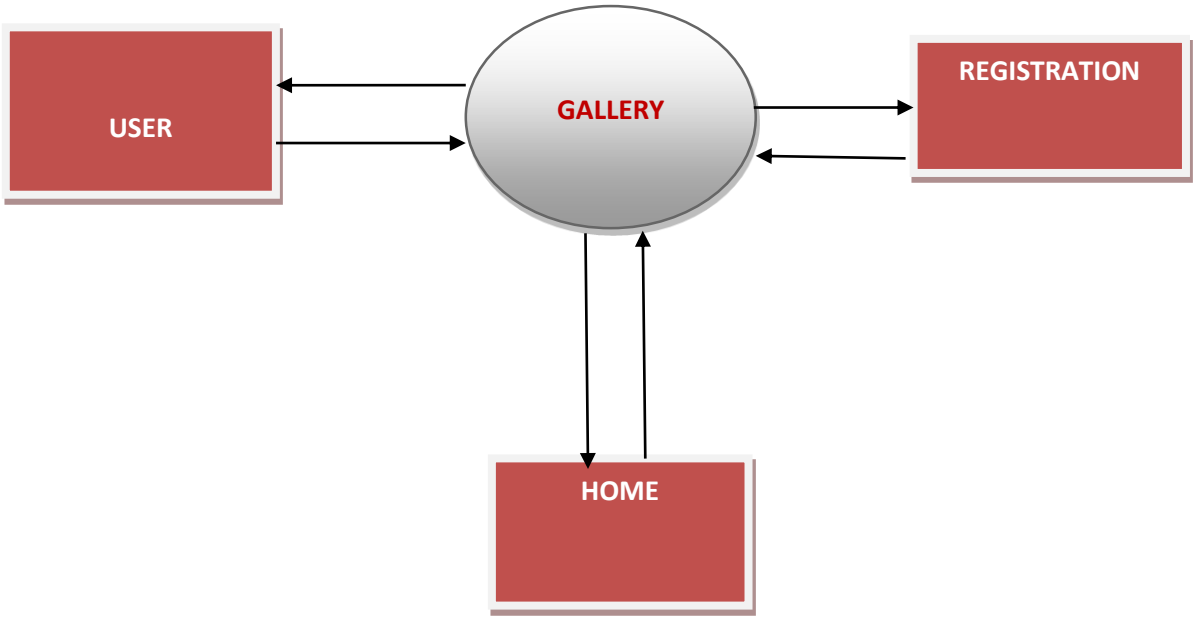
(B) Software Use

- Operating System – Windows 7 or higher version.
- Visual Studio 2012.

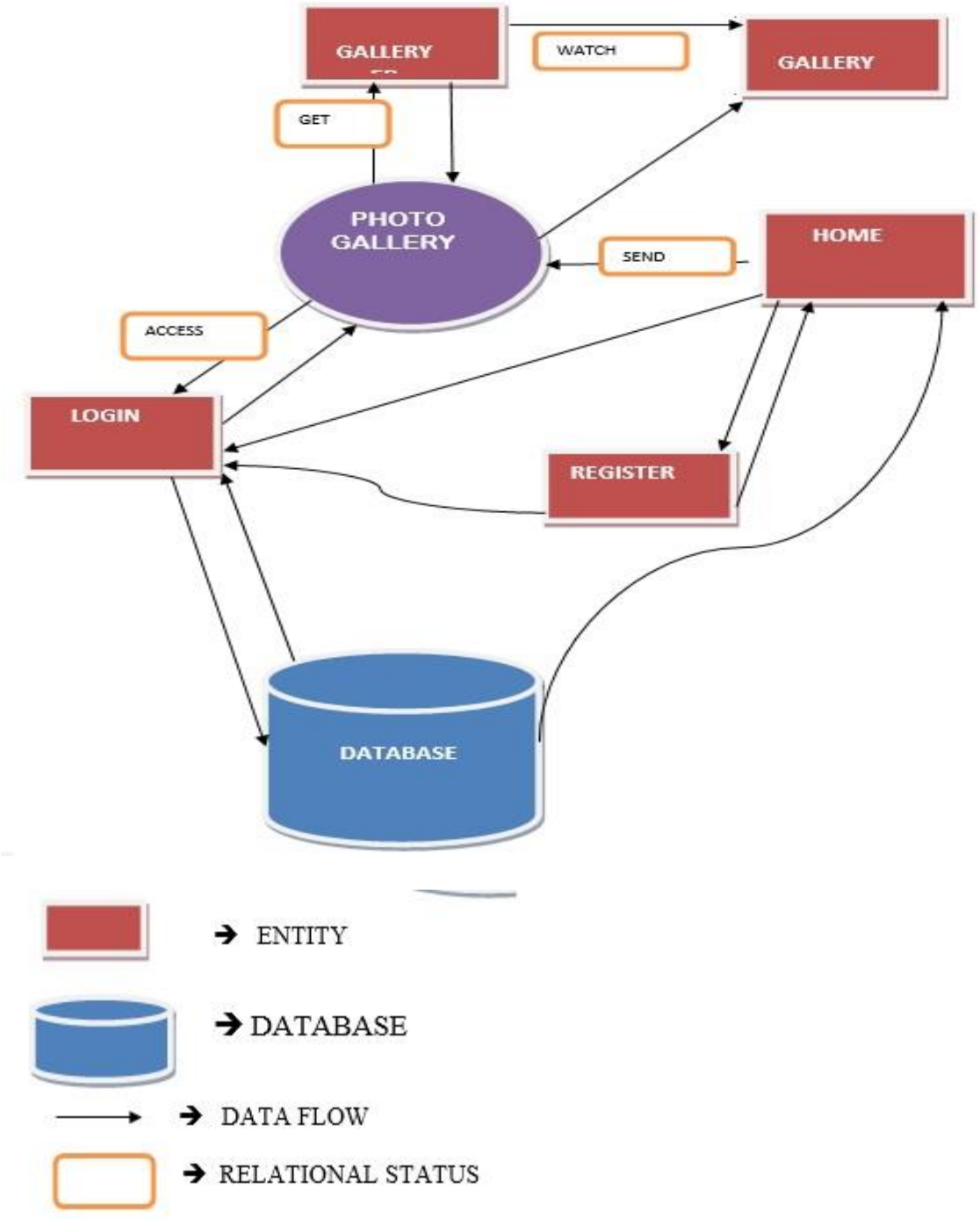
CHAPTER: III

➢ 07.DATA FLOW DIAGRAM

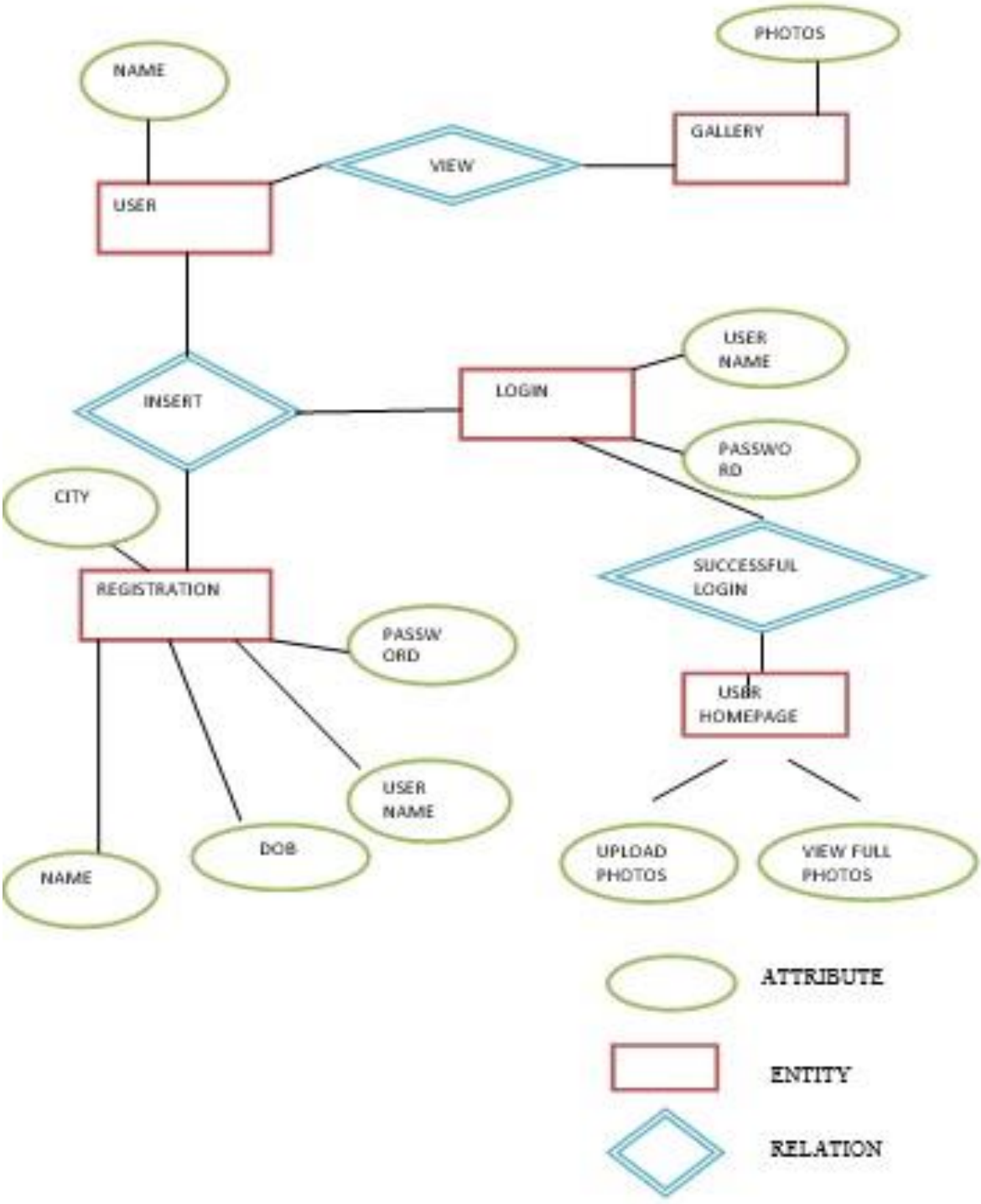
(A) DFD: LEVEL 0



(B) DFD: LEVEL 1


GALLERY
WATCH
GALLERY
GET
PHOTO GALLERY
SEND
HOME
ACCESS
LOGIN
REGISTER
DATABASE
→ ENTITY
→ DATABASE
→ DATA FLOW
→ RELATIONAL STATUS

08. ER - DIAGRAM



CHAPTER: IV

09. Coding

(A) Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="default.aspx.cs"
Inherits="Photo_Gallery.WebForm1" %>

<!DOCTYPE html>
<link rel="stylesheet" type="text/css" href="register.css">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Sign In</title>
</head>
<body>
  <form id="form1" runat="server">
  <div style="height:500px">
      <table class="page">
       <tr class ="header">
         <td colspan="2">
           <img alt="Logo" class="auto-style6" src="images/Logo.png" style="padding-
top:10px" /></td>
       </tr>
       <tr>
         <td class="content-left">
           </td>
         <td class="content-right">
           <table>
             <tr>
               <asp:Label ID="SignINLabel" runat="server" Text="Sign IN" Font-Bold="True"
Font-Names="Corbel" Font-Size="X-Large"></asp:Label>
             </tr>
             <hr />
             <tr>
               <td class="auto-style5" colspan="2">
                  </td>
             </tr>
             <tr>
               <td class="auto-style5">
```

```
                    <asp:Label ID="UNLabel" runat="server" Text="UserName" Font-
Bold="True" Font-Names="Constantia"></asp:Label>
                    </td>
                  <td>
                    <asp:textbox id="UN" type="text" runat="server" ></asp:textbox></td>
                </tr>
                <tr>
                  <td class="auto-style5">
                    <asp:Label ID="PasswordLabel" runat="server" Text="Password" Font-
Bold="True" Font-Names="Constantia"></asp:Label>
                    </td>
                  <td>
                    <asp:textbox id="Password" type="password" runat="server"
></asp:textbox></td>
                </tr>
                <tr>
                  <td class="auto-style5">
                     </td>
                  <td style="text-align: right ; padding-top:10px;">
                    <asp:Label ID="msg" runat="server" Text="UserName or Password
Incorrect" Font-Bold="False" Font-Names="Comic Sans MS" ForeColor="Red"
Visible="False"></asp:Label>
                    <br />
                    <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Submit" BackColor="#00CC00" BorderColor="Black" BorderStyle="Outset" Font-
Bold="False" Font-Names="Bookman Old Style" Font-Overline="False" Font-Size="Medium"
/>
                  </td>
                </tr>
                <tr>
                  <td class="auto-style5">
                     </td>
                  <td style="text-align: right ; padding-top:10px;">

                    <asp:DynamicHyperLink ID="DynamicHyperLink1" runat="server" Font-
Names="Comic Sans MS" NavigateUrl="~/register.aspx">Don&#39;t have an account?
Create One..</asp:DynamicHyperLink>

                  </td>
                </tr>

              </table>
```

```
          </td>
        </tr>
        <tr class="footer">
          <td colspan="2"></td>
        </tr>
      </table>
    </div>
    </form>
</body>
</html>
```

(B) Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
//using System.Data.Sql;
using System.Data.SqlClient;

namespace Photo_Gallery
{
  public partial class WebForm1 : System.Web.UI.Page
  {
    public static SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\ManishKumar\Documents\Visual Studio
2012\Projects\Photo Gallery\Photo Gallery\App_Data\Database1.mdf;Integrated
Security=True");
    SqlCommand cmd = new SqlCommand();
    SqlDataReader dr;

    protected void Page_Load(object sender, EventArgs e)
    {
      Session["UserName"] = "";
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
      string UName = UN.Text;
      string pwd = Password.Text;
```

```
        string userexists = "0";

        cmd.Connection = con;
        con.Open();

        cmd.CommandText = "select COUNT(*) AS Count from UserData where UN='" +
UName + "' AND Pwd = '" + pwd + "'";
        cmd.ExecuteNonQuery();

        dr = cmd.ExecuteReader();
        while (dr.Read())
        {
           userexists = dr["Count"].ToString();
        }
        dr.Close();

        if (userexists == "0")
        {
           msg.Visible = true;
           con.Close();
        }
        else
        {
           msg.Visible = false;
           Session["UserName"] = UName;
           con.Close();
           Response.Redirect("~/cat1.aspx");
        }
     }
  }
}
```

(C) register.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="register.aspx.cs"
Inherits="Photo_Gallery.register" %>

<!DOCTYPE html>
<link rel="stylesheet" type="text/css" href="register.css">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
```

```
  <title>SignUP</title>
  <style type="text/css">
    .auto-style6 {
      width: 218px;
      height: 56px;
    }
  </style>
</head>
<body>
  <form id="form1" runat="server">
  <div>

    <table class="page">
      <tr class ="header">
        <td colspan="2">
          <img alt="Logo" class="auto-style6" src="images/Logo.png" style="padding-
top:10px" /></td>
      </tr>
      <tr>
        <td class="content-left">
          </td>
        <td class="content-right">
          <table>
            <tr>
              <asp:Label ID="SignUpLabel" runat="server" Text="Sign UP" Font-
Bold="True" Font-Names="Corbel" Font-Size="X-Large"></asp:Label>
            </tr>
            <hr />
            <tr>
              <td class="auto-style5">
                <asp:Label ID="FNLabel" runat="server" Text="First Name" Font-
Bold="True" Font-Names="Constantia"></asp:Label>
                </td>
              <td>
                <asp:textbox id="FN" type="text" runat="server" ></asp:textbox></td>
            </tr>
            <tr>
              <td class="auto-style5">
                <asp:Label ID="LNLabel" runat="server" Text="Last Name" Font-
Bold="True" Font-Names="Constantia"></asp:Label>
                </td>
              <td>
```

```
                <asp:textbox id="LN" type="text" runat="server" ></asp:textbox></td>
            </tr>
            <tr>
              <td class="auto-style5">
                <asp:Label ID="UNLabel" runat="server" Text="UserName" Font-
Bold="True" Font-Names="Constantia"></asp:Label>
                </td>
              <td>
                <asp:textbox id="UN" type="text" runat="server" ></asp:textbox></td>
            </tr>
            <tr>
              <td class="auto-style5">
                <asp:Label ID="PasswordLabel" runat="server" Text="Password" Font-
Bold="True" Font-Names="Constantia"></asp:Label>
                </td>
              <td>
                <asp:textbox id="Password" type="password" runat="server"
></asp:textbox></td>
            </tr>
            <tr>
              <td class="auto-style5">
                <asp:Label ID="MobileLabel" runat="server" Text="Mobile" Font-
Bold="True" Font-Names="Constantia"></asp:Label>
                </td>
              <td>
                <asp:textbox id="Mobile" type="text" runat="server"></asp:textbox></td>
            </tr>
            <tr>
              <td class="auto-style5">
                <asp:Label ID="DOBLabel" runat="server" Text="DOB" Font-Bold="True"
Font-Names="Constantia"></asp:Label>
                </td>
              <td>
                <asp:DropDownList ID="Day" runat="server" Height="28px"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" Width="100px">
                  <asp:ListItem>Day</asp:ListItem>
                  <asp:ListItem>1</asp:ListItem>
                  <asp:ListItem>2</asp:ListItem>
                  <asp:ListItem>3</asp:ListItem>
                  <asp:ListItem>4</asp:ListItem>
                  <asp:ListItem>5</asp:ListItem>
                  <asp:ListItem>6</asp:ListItem>
```

```
                    <asp:ListItem>7</asp:ListItem>
                    <asp:ListItem>8</asp:ListItem>
                    <asp:ListItem>9</asp:ListItem>
                    <asp:ListItem>10</asp:ListItem>
                    <asp:ListItem>11</asp:ListItem>
                    <asp:ListItem>12</asp:ListItem>
                    <asp:ListItem>13</asp:ListItem>
                    <asp:ListItem>15</asp:ListItem>
                    <asp:ListItem>16</asp:ListItem>
                    <asp:ListItem>17</asp:ListItem>
                    <asp:ListItem>18</asp:ListItem>
                    <asp:ListItem>19</asp:ListItem>
                    <asp:ListItem>20</asp:ListItem>
                    <asp:ListItem>21</asp:ListItem>
                    <asp:ListItem>22</asp:ListItem>
                    <asp:ListItem>23</asp:ListItem>
                    <asp:ListItem>24</asp:ListItem>
                    <asp:ListItem>25</asp:ListItem>
                    <asp:ListItem>26</asp:ListItem>
                    <asp:ListItem>27</asp:ListItem>
                    <asp:ListItem>28</asp:ListItem>
                    <asp:ListItem>29</asp:ListItem>
                    <asp:ListItem>30</asp:ListItem>
                    <asp:ListItem>31</asp:ListItem>
                </asp:DropDownList>
                <asp:DropDownList ID="Month" runat="server" Height="28px"
Width="100px" OnSelectedIndexChanged="Month_SelectedIndexChanged">
                    <asp:ListItem>Month</asp:ListItem>
                    <asp:ListItem>1</asp:ListItem>
                    <asp:ListItem>2</asp:ListItem>
                    <asp:ListItem>3</asp:ListItem>
                    <asp:ListItem>4</asp:ListItem>
                    <asp:ListItem>5</asp:ListItem>
                    <asp:ListItem>6</asp:ListItem>
                    <asp:ListItem>7</asp:ListItem>
                    <asp:ListItem>8</asp:ListItem>
                    <asp:ListItem>9</asp:ListItem>
                    <asp:ListItem>10</asp:ListItem>
                    <asp:ListItem>11</asp:ListItem>
                    <asp:ListItem>12</asp:ListItem>
                </asp:DropDownList>
```

```
                    <asp:DropDownList ID="Year" runat="server" Height="28px"
OnSelectedIndexChanged="DropDownList3_SelectedIndexChanged" style="margin-
bottom: 0px" Width="100px">
                        <asp:ListItem>Year</asp:ListItem>
                        <asp:ListItem>2000</asp:ListItem>
                        <asp:ListItem>1999</asp:ListItem>
                        <asp:ListItem>1998</asp:ListItem>
                        <asp:ListItem>1997</asp:ListItem>
                        <asp:ListItem>1996</asp:ListItem>
                        <asp:ListItem>1995</asp:ListItem>
                        <asp:ListItem>1994</asp:ListItem>
                        <asp:ListItem>1993</asp:ListItem>
                        <asp:ListItem>1992</asp:ListItem>
                        <asp:ListItem>1991</asp:ListItem>
                        <asp:ListItem>1990</asp:ListItem>
                        <asp:ListItem>1989</asp:ListItem>
                        <asp:ListItem>1988</asp:ListItem>
                        <asp:ListItem>1987</asp:ListItem>
                    </asp:DropDownList>
                    </td>
                </tr>

                <tr>
                    <td class="auto-style5">
                         </td>
                    <td style="text-align: right ; padding-top:10px">
                        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Submit" BackColor="#00CC00" BorderColor="Black" BorderStyle="Outset" Font-
Bold="False" Font-Names="Bookman Old Style" Font-Overline="False" Font-Size="Medium"
/>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style5">
                         </td>
                    <td style="text-align: right ; padding-top:10px">

                        <asp:DynamicHyperLink ID="DynamicHyperLink1" runat="server" Font-
Names="Comic Sans MS" NavigateUrl="~/default.aspx">Already Have an account. LogIn
Here..</asp:DynamicHyperLink>

                    </td>
```

```
            </tr>

          </table>
        </td>
      </tr>
      <tr class="footer">
        <td colspan="2"></td>
      </tr>
    </table>

  </div>
  </form>
</body>
</html>
```

(D) register.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
//using System.Data;
//using System.Data.OleDb;
//using System.Text;


namespace Photo_Gallery
{
  public partial class register : System.Web.UI.Page
  {
    public static SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\ManishKumar\Documents\Visual Studio
2012\Projects\Photo Gallery\Photo Gallery\App_Data\Database1.mdf;Integrated
Security=True");
    SqlCommand cmd = new SqlCommand();
    SqlDataReader dr;

    protected void Button1_Click(object sender, EventArgs e)
    {
```

```
        string FName = FN.Text;
        string LName = LN.Text;
        string UName = UN.Text;
        string pwd = Password.Text;
        string mob = Mobile.Text;
        string dob = Day.Text + "/" + Month.Text + "/" + Year.Text;
        string usedbefore = "0";

        if (FName == "" || LName == "" || UName == "" || pwd == "" || mob == "" || Day.Text ==
"Day" || Month.Text == "Month" || Year.Text == "Year")
        {
          Response.Write("<script language='javascript'>alert('All fields are
mandatory..');window.location='register.aspx'</script>");
        }
        else if (FName.Length < 6 || LName.Length < 2 || UName.Length < 6 || pwd.Length < 6 ||
mob.Length != 10)
        {
          Response.Write("<script language='javascript'>alert('Values of First Name, Last
Name, Username and Password must be minimum 6 in length.. and Mobile 10
digits..');window.location='register.aspx'</script>");
        }
        else
        {
          String s = mob;
          var chars = s.ToCharArray();
          int flag = 0;
          for (int ctr = 0; ctr < chars.Length; ctr++)
          {
            if (Convert.ToInt32(chars[ctr]) >= 48 && Convert.ToInt32(chars[ctr]) <= 57)
            {
              //Response.Write("<script language='javascript'>alert('if : " + chars[ctr] + " : " +
Convert.ToInt32(chars[ctr]) + "')</script>");
              flag = 1;
            }
            else
            {
              //Response.Write("<script language='javascript'>alert('else : " + chars[ctr] + " : "
+ Convert.ToInt32(chars[ctr]) + "')</script>");
              flag = 0;
              break;
            }
          }
```

```
        if (flag == 0)
            Response.Write("<script language='javascript'>alert('Mobile no. can contain only
numbers..');window.location='register.aspx'</script>");
        else
        {
            cmd.Connection = con;
            con.Open();

            cmd.CommandText = "select COUNT(*) AS Count from UserData where UN='" +
UName + "'";
            cmd.ExecuteNonQuery();

            dr = cmd.ExecuteReader();
            while (dr.Read())
            {
                usedbefore = dr["Count"].ToString();
            }
            dr.Close();

            if (usedbefore == "0")
            {
                cmd.CommandText = "insert into UserData values('" + FName + "','" + LName +
"','" + UName + "','" + pwd + "','" + mob + "','" + dob + "')";
                cmd.ExecuteNonQuery();
                Response.Write("<script language='javascript'>alert('Successfully registered.
Please continue to login.');window.location='default.aspx'</script>");
                con.Close();
            }
            else
            {
                string script = @"<script language=""javascript""> alert('UserName already
exists. Please choose a different UserName.'); </script>;";
                Page.ClientScript.RegisterStartupScript(this.GetType(), "myJScript1", script);
                con.Close();
            }
        }
    }

    protected void Month_SelectedIndexChanged(object sender, EventArgs e)
    {
```

```
    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {

    }

    protected void DropDownList3_SelectedIndexChanged(object sender, EventArgs e)
    {

    }

    protected void Page_Load(object sender, EventArgs e)
    {

    }

  }

   }
```

(E) register.css

```
.page {
   width: 100%;
   height:100%;
}
.content-left {
   width: 58%;
   height: 100%;
   border-right-width:thin;
   border-right-style:solid;
}
.content-right {
   width: 24%;
   height: 590px;
   padding-top:10px;
   padding-left:40px;
   padding-right:60px;
   background-color:whitesmoke;
}
```

```
.content {
   width: 100%;
   height: 555px;
   padding-left: 10px;
   padding-right: 10px;
   background-color: whitesmoke;
   vertical-align:top;
}
.content-full {
   height: 595px;
}
#FN, #LN, #UN, #Password, #Mobile {
   height: 22px;
   width: 300px;
}
.auto-style5 {
   padding-left:10px;
}
.header {
   width: 100%;
   height:80px;
   background-color:black;
}
.menu {
   width: 100%;
   height:40px;
   background-color:white;
}
.footer {
   width: 100%;
   height:40px;
   background-color:black;
}
.menuitem{
   padding:10px 5px 5px 10px;
}
.imageContainer {
   display:inline-block;
   overflow:hidden;
   max-height:225px;
   max-width:175px;
   margin:5px 5px 5px 5px;
```

```
}

.imageContainer img {
   height:175px;
   width:auto;
   display:block;
   vertical-align:top;
}

.text-content {
   text-align: center;
   width:100%;
   font-family:'Comic Sans MS';
}

#im {
   position: relative;
   top: 0;
   left: 0;
   right: 0;
   bottom: 0;
   background-repeat: no-repeat;
   background-size: contain;
   width:inherit;
   height:inherit;
}
```

(F) common.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Data.SqlClient;
using System.Data;
using System.Data.OleDb;
using System.IO;

namespace Photo_Gallery
{
   public class common
   {
```

```
    public static void uploadImage(string filename,int cat,string un)
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\ManishKumar\Documents\Visual Studio
2012\Projects\Photo Gallery\Photo Gallery\App_Data\Database1.mdf;Integrated
Security=True");
        SqlCommand cmd = new SqlCommand();

        cmd.Connection = con;
        con.Open();

        cmd.CommandText = "insert into imageData (image,category,uploadedby) values('" +
filename + "','" + cat + "','"+un+"')";
        cmd.ExecuteNonQuery();
        con.Close();
    }

    public static string retrieveImages(int cat)
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\ManishKumar\Documents\Visual Studio
2012\Projects\Photo Gallery\Photo Gallery\App_Data\Database1.mdf;Integrated
Security=True");
        SqlCommand cmd = new SqlCommand();
        SqlDataReader dr;

        cmd.Connection = con;
        con.Open();

        cmd.CommandText = "select image AS img, uploadedby AS uploader from imageData
where category ='" + cat + "'";
        cmd.ExecuteNonQuery();

        string imagesForConatiner = "";

        dr = cmd.ExecuteReader();

        while (dr.Read()){
            string img = dr["img"].ToString();
            string imgpath = "uploadedImages/" + img;
            string uploader = dr["uploader"].ToString();
```

```
            imagesForConatiner = imagesForConatiner + "<div class='imageContainer'><a
href='fullsize.aspx?imgname=" + img + "' target='_blank'><img src='" + imgpath + "'
alt='Sorry Image Missing' title='to see large image click' /></a><div class='text-
content'>Uploaded By<br /> " + uploader + "</div></div>";
        }
        dr.Close();

        con.Close();

        return imagesForConatiner;
    }

    public static string filename()
    {
        DateTime CurrentDate = Convert.ToDateTime(DateTime.Now);
        string dt = CurrentDate.ToString();
        dt = dt.Replace("-", "");
        dt = dt.Replace(":", "");
        dt = dt.Replace(" ", "");
        dt = dt.Remove(dt.Length - 2);
        Random rnd = new Random();
        String file_name = dt + rnd.Next(111111, 999999).ToString();
        return file_name;
    }
  }

}
```

(G) cat1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="cat1.aspx.cs"
Inherits="Photo_Gallery.WebForm2" %>

<!DOCTYPE html>
<link rel="stylesheet" type="text/css" href="register.css">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Category1</title>
</head>
<body>
  <form id="form1" runat="server">
  <div class="page">
```

```
<table class="page" runat="server">
 <tr class ="header">
   <td>
        <div style="text-align:left; float: left;">
          <img alt="Logo" src="images/Logo.png" style="padding-top:10px" />
        </div>
        <div style="text-align:center; float: right; padding-top:10px;">
          <asp:Label ID="LoggedUser" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="White"></asp:Label>
                 <br />
            <asp:HyperLink ID="logout" runat="server" Font-Names="Comic Sans MS"
ForeColor="Red" NavigateUrl="~/default.aspx">Logout...</asp:HyperLink>
        </div>
   </td>
 </tr>
 <tr>
   <td class="menu" colspan="2" style="padding-left:10px; ">
     <span class="menuitem" style="background-color:orangered;">
       <asp:HyperLink ID="category1" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat1.aspx" Font-
Size="Large">Category1</asp:HyperLink>
     </span>
     <span class="menuitem">
       <asp:HyperLink ID="category2" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat2.aspx" Font-
Size="Large">Category2</asp:HyperLink>
     </span>
     <span class="menuitem">
       <asp:HyperLink ID="category3" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat3.aspx" Font-
Size="Large">Category3</asp:HyperLink>
     </span>
     <span class="menuitem">
       <asp:HyperLink ID="category4" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat4.aspx" Font-
Size="Large">Category4</asp:HyperLink>
     </span>
     <div style="float:right;">
     <span class="menuitem">
       <asp:Label ID="uploadImage" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="#006600">Have an image to share
in this Category? Upload here....      </asp:Label>
```

```
            </span>
            <span class="menuitem">
              <asp:FileUpload ID="FileUpload1" runat="server" Height="27px"
Width="254px" />
            </span>
            <span class="menuitem">
              <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Upload" />
            </span>
            </div>
          </td>
        </tr>
        <tr>
          <td class="content" colspan="2" runat="server">
            <%=imagesForConatiner %>;
          </td>
        </tr>
        <tr class="footer">
          <td colspan="2"></td>
        </tr>
      </table>
    </div>
    </form>
</body>
</html>
```

(H) cat1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.IO;

namespace Photo_Gallery
{
  public partial class WebForm2 : System.Web.UI.Page
  {
```

```
    public string imagesForConatiner;
    protected void Page_Load(object sender, EventArgs e)
    {
      string UserName = (string)(Session["UserName"]);
      if (UserName == "" || UserName == null)
      {
        Response.Redirect("~/default.aspx");
      }
      else
      {
        string UName = (string)(Session["UserName"]);
        LoggedUser.Text = "Welcome " + UName;
      }

      int cat = 1;
      imagesForConatiner = common.retrieveImages(cat).ToString();

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
      string UserName = (string)(Session["UserName"]);
      String ex = Path.GetExtension(FileUpload1.FileName);
      if (ex == ".jpg" || ex == ".jpeg" || ex == ".png" || ex == ".JPG" || ex == ".JPEG" || ex ==
".PNG")
      {
        String file_name = common.filename() + ex;
        FileUpload1.PostedFile.SaveAs(Server.MapPath("~/uploadedImages/") + file_name);
        int cat = 1;
        common.uploadImage(file_name, cat, UserName);
        Response.Write("<script language='javascript'>alert('Image Uploaded
Successfully..');window.location='cat1.aspx'</script>");
      }
      else
      {
        string script = @"<script language=""javascript""> alert('Please use correct
format... [.jpeg/.jpg/.png]'); </script>;";
        Page.ClientScript.RegisterStartupScript(this.GetType(), "myJScript1", script);
      }
    }
  }
```

}

(I) cat2.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="cat2.aspx.cs"
Inherits="Photo_Gallery.cat2" %>

<!DOCTYPE html>
<link rel="stylesheet" type="text/css" href="register.css">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Category2</title>
</head>
<body>
  <form id="form1" runat="server">
   <div class="page">
       <table class="page">
        <tr class ="header">
          <td>
               <div style="text-align:left; float: left;">
                 <img alt="Logo" src="images/Logo.png" style="padding-top:10px" />
               </div>
               <div style="text-align:center; float: right; padding-top:10px;">
                 <asp:Label ID="LoggedUser" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="White"></asp:Label>
                       <br />
                  <asp:HyperLink ID="logout" runat="server" Font-Names="Comic Sans MS"
ForeColor="Red" NavigateUrl="~/default.aspx">Logout...</asp:HyperLink>
               </div>
          </td>
        </tr>
        <tr>
          <td class="menu" colspan="2" style="padding-left:10px; ">
            <span class="menuitem">
              <asp:HyperLink ID="category1" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat1.aspx" Font-
Size="Large">Category1</asp:HyperLink>
            </span>
            <span class="menuitem" style="background-color:orangered;">
              <asp:HyperLink ID="category2" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat2.aspx" Font-
Size="Large">Category2</asp:HyperLink>
```

```
            </span>
            <span class="menuitem">
              <asp:HyperLink ID="category3" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat3.aspx" Font-
Size="Large">Category3</asp:HyperLink>
            </span>
            <span class="menuitem">
              <asp:HyperLink ID="category4" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat4.aspx" Font-
Size="Large">Category4</asp:HyperLink>
            </span>
            <div style="float:right;">
            <span class="menuitem">
              <asp:Label ID="uploadImage" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="#006600">Have an image to share
in this Category? Upload here....      </asp:Label>
            </span>
            <span class="menuitem">
              <asp:FileUpload ID="FileUpload1" runat="server" Height="27px"
Width="254px" />
            </span>
            <span class="menuitem">
              <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Upload" />
            </span>
            </div>
          </td>
        </tr>
        <tr>
          <td class="content" colspan="2">
            <%=imagesForConatiner %>;
          </td>
        </tr>
        <tr class="footer">
          <td colspan="2"></td>
        </tr>
      </table>
    </div>
    </form>
</body>
</html>
```

(J) cat2.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.IO;

namespace Photo_Gallery
{
  public partial class cat2 : System.Web.UI.Page
  {
    public string imagesForConatiner;
    protected void Page_Load(object sender, EventArgs e)
    {
      string UserName = (string)(Session["UserName"]);
      if (UserName == "" || UserName == null)
      {
        Response.Redirect("~/default.aspx");
      }
      else
      {
        string UName = (string)(Session["UserName"]);
        LoggedUser.Text = "Welcome " + UName;
      }

      int cat = 2;
      imagesForConatiner = common.retrieveImages(cat).ToString();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
      string UserName = (string)(Session["UserName"]);
      String ex = Path.GetExtension(FileUpload1.FileName);
      if (ex == ".jpg" || ex == ".jpeg" || ex == ".png" || ex == ".JPG" || ex == ".JPEG" || ex ==
".PNG")
      {
        String file_name = common.filename() + ex;
        FileUpload1.PostedFile.SaveAs(Server.MapPath("~/uploadedImages/") + file_name);
        int cat = 2;
```

```
            common.uploadImage(file_name, cat, UserName);
            Response.Write("<script language='javascript'>alert('Image Uploaded
Successfully..');window.location='cat2.aspx'</script>");
        }
        else
        {
            string script = @"<script language=""javascript""> alert('Please use correct
format... [.jpeg/.jpg/.png]'); </script>;";
            Page.ClientScript.RegisterStartupScript(this.GetType(), "myJScript1", script);
        }
    }
  }

}
```

(K) cat3.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="cat3.aspx.cs"
Inherits="Photo_Gallery.cat3" %>

<!DOCTYPE html>
<link rel="stylesheet" type="text/css" href="register.css">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Category3</title>
</head>
<body>
  <form id="form1" runat="server">
   <div class="page">
       <table class="page">
        <tr class ="header">
          <td>
              <div style="text-align:left; float: left;">
                <img alt="Logo" src="images/Logo.png" style="padding-top:10px" />
              </div>
              <div style="text-align:center; float: right; padding-top:10px;">
                <asp:Label ID="LoggedUser" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="White"></asp:Label>
                     <br />
                <asp:HyperLink ID="logout" runat="server" Font-Names="Comic Sans MS"
ForeColor="Red" NavigateUrl="~/default.aspx">Logout...</asp:HyperLink>
              </div>
```

```
          </td>
        </tr>
        <tr>
          <td class="menu" colspan="2" style="padding-left:10px; ">
            <span class="menuitem">
              <asp:HyperLink ID="category1" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat1.aspx" Font-
Size="Large">Category1</asp:HyperLink>
            </span>
            <span class="menuitem">
              <asp:HyperLink ID="category2" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat2.aspx" Font-
Size="Large">Category2</asp:HyperLink>
            </span>
            <span class="menuitem"  style="background-color:orangered;">
              <asp:HyperLink ID="category3" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat3.aspx" Font-
Size="Large">Category3</asp:HyperLink>
            </span>
            <span class="menuitem">
              <asp:HyperLink ID="category4" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat4.aspx" Font-
Size="Large">Category4</asp:HyperLink>
            </span>
            <div style="float:right;">
            <span class="menuitem">
              <asp:Label ID="uploadImage" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="#006600">Have an image to share
in this Category? Upload here....      </asp:Label>
            </span>
            <span class="menuitem">
              <asp:FileUpload ID="FileUpload1" runat="server" Height="27px"
Width="254px" />
            </span>
            <span class="menuitem">
              <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Upload" />
            </span>
            </div>
          </td>
        </tr>
        <tr>
```

```
            <td class="content" colspan="2">
              <%=imagesForConatiner %>;
              </td>
          </tr>
          <tr class="footer">
            <td colspan="2"></td>
          </tr>
        </table>
    </div>
    </form>
</body>
</html>
```

(L) cat3.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.IO;

namespace Photo_Gallery
{
    public partial class cat3 : System.Web.UI.Page
    {
        public string imagesForConatiner;
        protected void Page_Load(object sender, EventArgs e)
        {
            string UserName = (string)(Session["UserName"]);
            if (UserName == "" || UserName == null)
            {
                Response.Redirect("~/default.aspx");
            }
            else
            {
                string UName = (string)(Session["UserName"]);
                LoggedUser.Text = "Welcome " + UName;
            }

            int cat = 3;
```

```
        imagesForConatiner = common.retrieveImages(cat).ToString();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        string UserName = (string)(Session["UserName"]);
        String ex = Path.GetExtension(FileUpload1.FileName);
        if (ex == ".jpg" || ex == ".jpeg" || ex == ".png" || ex == ".JPG" || ex == ".JPEG" || ex ==
".PNG")
        {
            String file_name = common.filename() + ex;
            FileUpload1.PostedFile.SaveAs(Server.MapPath("~/uploadedImages/") + file_name);
            int cat = 3;
            common.uploadImage(file_name, cat, UserName);
            Response.Write("<script language='javascript'>alert('Image Uploaded
Successfully..');window.location='cat3.aspx'</script>");
        }
        else
        {
            string script = @"<script language=""javascript""> alert('Please use correct
format... [.jpeg/.jpg/.png]'); </script>;";
            Page.ClientScript.RegisterStartupScript(this.GetType(), "myJScript1", script);
        }
    }
  }

}
```

(M) cat4.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="cat4.aspx.cs"
Inherits="Photo_Gallery.cat4" %>

<!DOCTYPE html>
<link rel="stylesheet" type="text/css" href="register.css">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Category4</title>
</head>
<body>
  <form id="form1" runat="server">
   <div class="page">
```

```
<table class="page">
 <tr class ="header">
   <td>
        <div style="text-align:left; float: left;">
          <img alt="Logo" src="images/Logo.png" style="padding-top:10px" />
        </div>
        <div style="text-align:center; float: right; padding-top:10px;">
          <asp:Label ID="LoggedUser" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="White"></asp:Label>
                 <br />
            <asp:HyperLink ID="logout" runat="server" Font-Names="Comic Sans MS"
ForeColor="Red" NavigateUrl="~/default.aspx">Logout...</asp:HyperLink>
        </div>
   </td>
 </tr>
 <tr>
   <td class="menu" colspan="2" style="padding-left:10px; ">
     <span class="menuitem">
       <asp:HyperLink ID="category1" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat1.aspx" Font-
Size="Large">Category1</asp:HyperLink>
     </span>
     <span class="menuitem">
       <asp:HyperLink ID="category2" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat2.aspx" Font-
Size="Large">Category2</asp:HyperLink>
     </span>
     <span class="menuitem">
       <asp:HyperLink ID="category3" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat3.aspx" Font-
Size="Large">Category3</asp:HyperLink>
     </span>
     <span class="menuitem" style="background-color:orangered;">
       <asp:HyperLink ID="category4" runat="server" Font-Names="Comic Sans MS"
ForeColor="#000099" NavigateUrl="~/cat4.aspx" Font-
Size="Large">Category4</asp:HyperLink>
     </span>
     <div style="float:right;">
     <span class="menuitem">
       <asp:Label ID="uploadImage" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="#006600">Have an image to share
in this Category? Upload here....      </asp:Label>
```

```
            </span>
            <span class="menuitem">
              <asp:FileUpload ID="FileUpload1" runat="server" Height="27px"
Width="254px" />
            </span>
            <span class="menuitem">
              <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Upload" />
            </span>
            </div>
          </td>
        </tr>
        <tr>
          <td class="content" colspan="2">
            <%=imagesForConatiner %>;
            </td>
        </tr>
        <tr class="footer">
          <td colspan="2"></td>
        </tr>
      </table>
    </div>
    </form>
</body>
</html>
```

(N) cat4.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.IO;

namespace Photo_Gallery
{
  public partial class cat4 : System.Web.UI.Page
  {
    public string imagesForConatiner;
    protected void Page_Load(object sender, EventArgs e)
```

```
    {
        string UserName = (string)(Session["UserName"]);
        if (UserName == "" || UserName == null)
        {
            Response.Redirect("~/default.aspx");
        }
        else
        {
            string UName = (string)(Session["UserName"]);
            LoggedUser.Text = "Welcome " + UName;
        }

        int cat = 4;
        imagesForConatiner = common.retrieveImages(cat).ToString();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        string UserName = (string)(Session["UserName"]);
        String ex = Path.GetExtension(FileUpload1.FileName);
        if (ex == ".jpg" || ex == ".jpeg" || ex == ".png" || ex == ".JPG" || ex == ".JPEG" || ex ==
".PNG")
        {
            String file_name = common.filename() + ex;
            FileUpload1.PostedFile.SaveAs(Server.MapPath("~/uploadedImages/") + file_name);
            int cat = 4;
            common.uploadImage(file_name, cat, UserName);
            Response.Write("<script language='javascript'>alert('Image Uploaded
Successfully..');window.location='cat4.aspx'</script>");
        }
        else
        {
            string script = @"<script language=""javascript""> alert('Please use correct
format... [.jpeg/.jpg/.png]'); </script>;";
            Page.ClientScript.RegisterStartupScript(this.GetType(), "myJScript1", script);
        }
    }
  }

}
```

(O) fullsize.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="fullsize.aspx.cs"
Inherits="Photo_Gallery.fullsize" %>

<!DOCTYPE html>
<link rel="stylesheet" type="text/css" href="register.css">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
   <div class="page">
      <table id="Table1" class="page" runat="server">
       <tr class ="header">
         <td>
              <div style="text-align:left; float: left;">
                <img alt="Logo" src="images/Logo.png" style="padding-top:10px" />
              </div>
              <div style="text-align:center; float: right; padding-top:10px;">
                <asp:Label ID="LoggedUser" runat="server" Font-Bold="False" Font-
Names="Comic Sans MS" Font-Size="Large" ForeColor="White"></asp:Label>
                     <br />
                <asp:HyperLink ID="logout" runat="server" Font-Names="Comic Sans MS"
ForeColor="Red" NavigateUrl="~/default.aspx">Logout...</asp:HyperLink>
              </div>
         </td>
       </tr>

       <tr>
         <td class="content-full content" colspan="2" runat="server">
           <div id="im" style="background-image: url('<%=imgpath %>');">

           </div>
         </td>
       </tr>
       <tr class="footer">
         <td colspan="2"></td>
       </tr>
     </table>
```

```
  </div>
  </form>
</body>
</html>
```

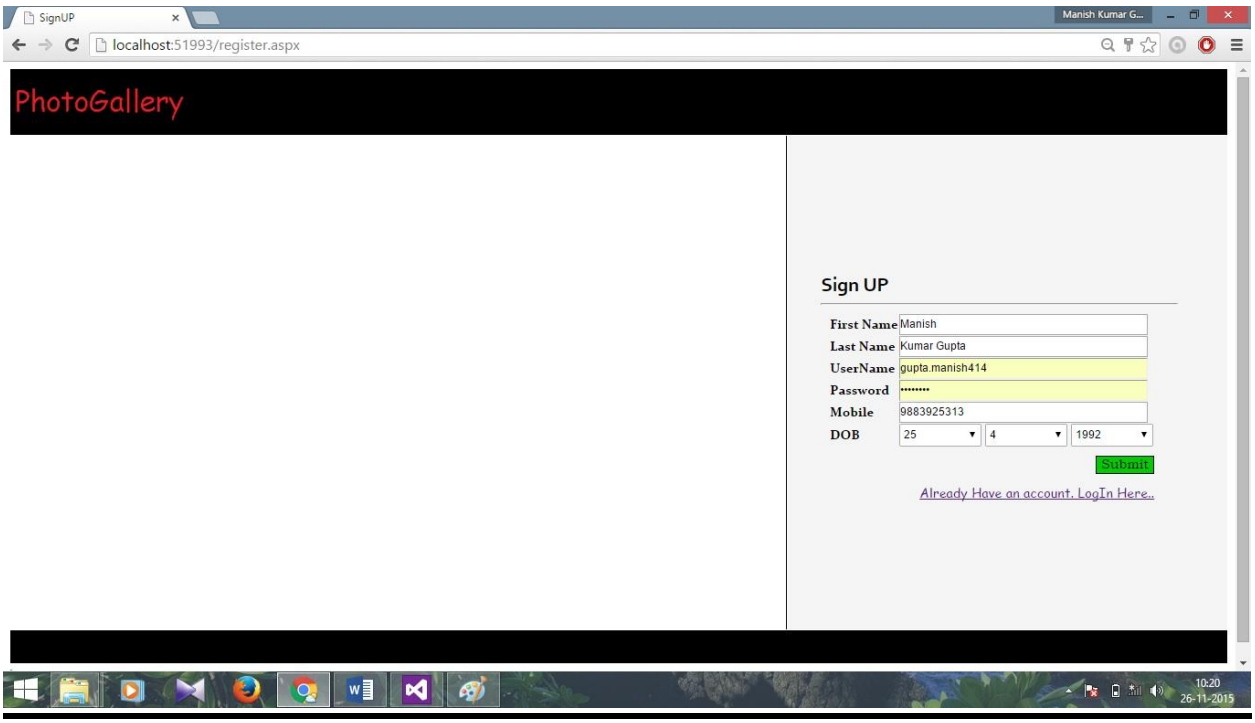
(P) fullsize.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Photo_Gallery
{
  public partial class fullsize : System.Web.UI.Page
  {
    public string imgpath;
    protected void Page_Load(object sender, EventArgs e)
    {
      string UserName = (string)(Session["UserName"]);
      if (UserName == "" || UserName == null)
      {
        Response.Redirect("~/default.aspx");
      }
      else
      {
        string UName = (string)(Session["UserName"]);
        LoggedUser.Text = "Welcome " + UName;
      }

      imgpath = "uploadedImages/"+Request.QueryString["imgname"];
    }
  }
}
```

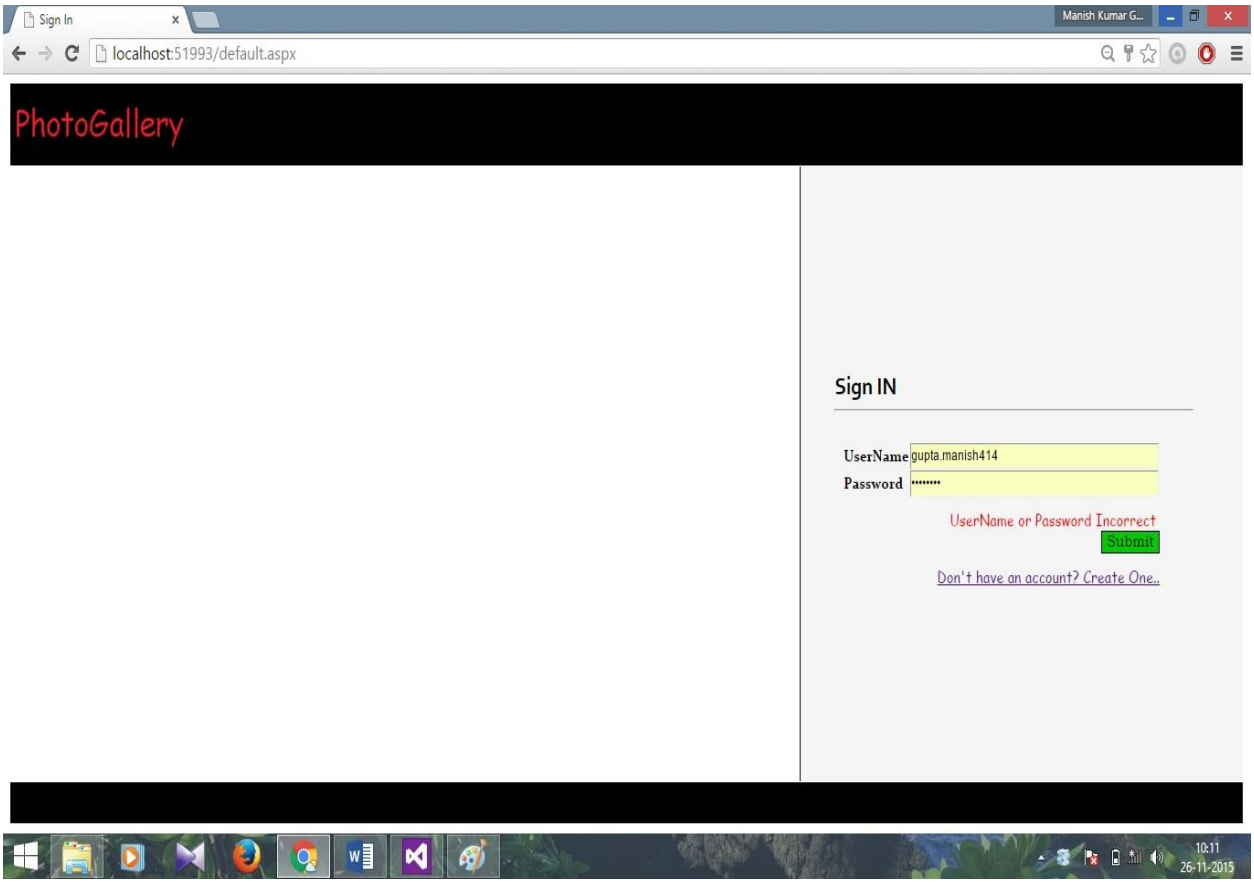
CHAPTER: V

10. Screen Shorts

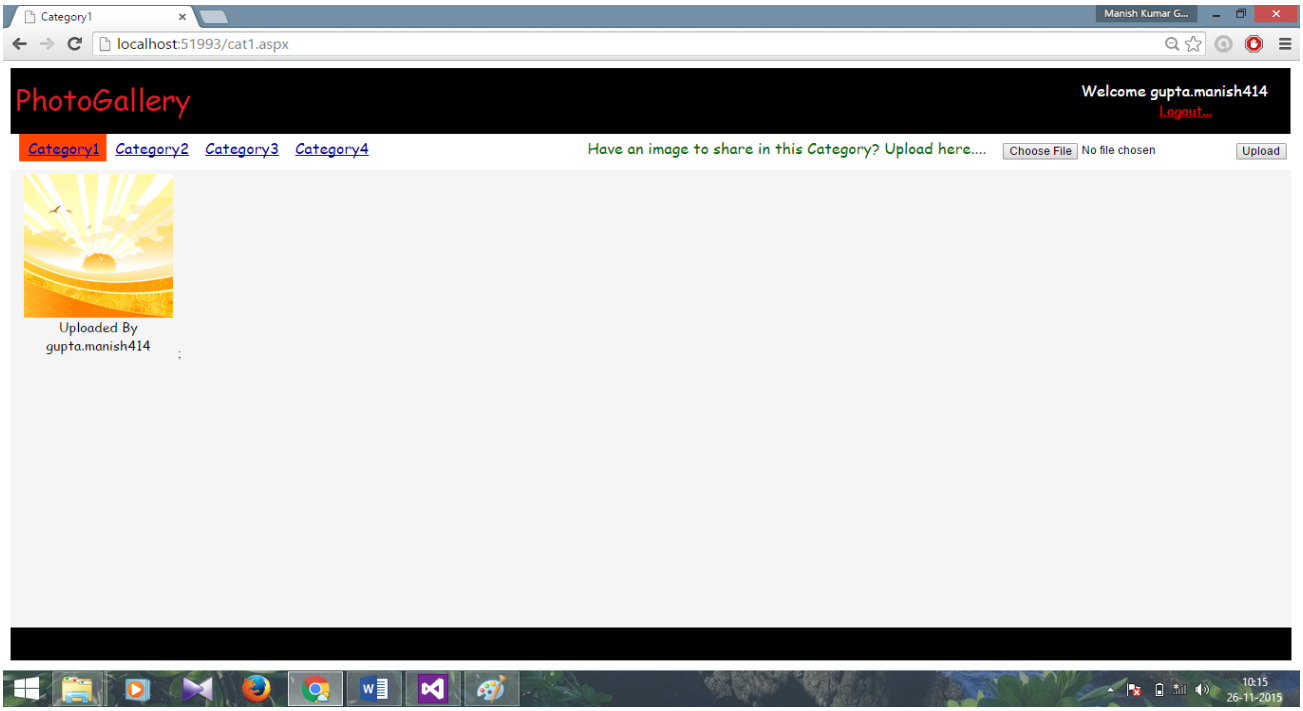
(A)Register Page



(B)Login Page


Sign In
Manish Kumar G...
localhost:51993/default.aspx
PhotoGallery
Sign IN
UserName gupta.manish414
Password
UserName or Password Incorrect
Submit
Don't have an account? Create One..
10:11
26-11-2015

(C)Home Page


Category1
Manish Kumar G...
localhost:51993/cat1.aspx
PhotoGallery
Welcome gupta.manish414
Logout...
Category1 Category2 Category3 Category4
Have an image to share in this Category? Upload here....
Choose File No file chosen
Upload
Uploaded By
gupta.manish414
10:15
26-11-2015

(D)User Login Database

dbo.UserData [Data]

Max Rows: 1000

	FN	LN	UN	Pwd	Mobile	DOB
	Manish	Gupta	gupta.manish414	12345678	9883925313	02-02-1987
▶*	NULL	NULL	NULL	NULL	NULL	NULL

(E)Image Database

dbo.imageData [Data]

Max Rows: 1000

	Id	image	category	uploadedby
	15	25-11-20151429...	1	gupta.manish414
	16	25-11-20151526...	4	gupta.manish414
	17	2511201516021...	2	gupta.manish414
▶*	NULL	NULL	NULL	NULL

CHAPTER: VI

11. Conclusion

(A)Further Scope

As many large projects have some limitations my. The project might not met all the requirements of a real life application. But it could be further developed to increase its efficiency and variations.

(B)System Testing & Maintenance

As we all of known that software testing according to industry cannot be properly done in the student's projects. But in spite of that factor I try to maintain the testing methodology in our project according to the software engineering aspects.

The entire project has been tested successfully by myself and our faculty member acting upon all the software engineering testing methodology.

Maintenance is such type of activity which much depends on the customer feedback. As our project is GUI (GRAPHICAL USER INTERFACE).If there are any difficulties or problems found in further in my project, I would be fully responsible and bound to be maintain the software at any time of customer reference.

(C)Enhancement Scope

The project might not met all the requirements of a real life application. But it could be further developed to increase its efficiency and variations. There is a scope to develop our project in future and increase its efficiency.

In our project Digit sort is proposed. It has complexity more than some earlier proposed algorithms, but we try to decrease its complexity. It has a special situation when its complexity will decrease with other sorting algorithm that is we try to focus in our project.

Further we try to develop a sorting algorithm that is better or effective as per as complexity concern and maintain the digit sort also.

Conclusion

From a proper analysis of positive points and constraints on the components, it can be safely concluded that the product is a highly efficient GUI based component. This application is working properly and meeting to all user requirements. This component can be easily plugged in many other systems.

Bibliography

Website for Our Project:

1. www.google.com

2. www.wikipedia.com

3. www.w3school.com