

## Code for Login page and validation

frmLogin.cs

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace InventoryManagementSystem
{
    public partial class frmLogin : Form
    {
        public frmLogin()
        {
            InitializeComponent();
        }

        private void txtUserName_KeyDown(object sender, KeyEventArgs e)
        {
            clsGlobalFunction.Tab_Function(e);
            clsGlobalFunction.Escape_Function(e, btnCancel);
        }

        private void txtPassword_KeyDown(object sender, KeyEventArgs e)
        {
            clsGlobalFunction.Tab_Function(e);
            clsGlobalFunction.Escape_Function(e, btnCancel);
        }
    }
}
```

```

private void txtFiscalYear_KeyDown(object sender, KeyEventArgs e)
{
    clsGlobalFunction.Tab_Function(e);
    clsGlobalFunction.Escape_Function(e, btnCancel);
}

private void btnCancel_Click(object sender, EventArgs e)
{
    Application.Exit();
}

private void btnCancel_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyCode == Keys.Escape) { Application.Exit(); }
}

private void btnOK_Click(object sender, EventArgs e)
{
    clsGlobalFunction.temp_text = "Select * from user_login where
user_name='" + txtUserName.Text + "' and password='" +
clsGlobalFunction.Encrypt(txtPassword.Text) + "'";

    SqlDataAdapter da = new SqlDataAdapter(clsGlobalFunction.temp_text,
clsGlobalFunction.cn);

    DataSet ds = new DataSet();
    da.Fill(ds, "table0");
    if (ds.Tables[0].Rows.Count > 0)
    {
        this.Hide();
    }
    else
    {
        MessageBox.Show("User Name or Password is not Correct");
        txtUserName.Focus();
    }
}

```

```

}

private void txtUserName_Validated(object sender, EventArgs e)
{

}

private void txtPassword_Validated(object sender, EventArgs e)
{

}

private void txtFiscalYear_Validated(object sender, EventArgs e)
{

}

private void frmLogin_Load(object sender, EventArgs e)
{
    try
    {
        clsGlobalFunction.temp_text = "select * from fiscal_year";
23
        SqlDataAdapter da = new
        SqlDataAdapter(clsGlobalFunction.temp_text, clsGlobalFunction.cn);
        DataSet ds = new DataSet();
        da.Fill(ds, "table0");
        txtFiscalYear.Items.Clear();
        for (int i = 0; i < ds.Tables[0].Rows.Count; i++)
        {

            txtFiscalYear.Items.Add(ds.Tables[0].Rows[i]["fyear"].ToString());
            txtFiscalYear.Text =
            ds.Tables[0].Rows[i]["fyear"].ToString();
        }
    }
}

```

```

}
catch { }

}

private void txtUserName_Validating(object sender, CancelEventArgs e)
{
    if (txtUserName.Text == "") { MessageBox.Show("Please Enter User
Name", "Inventory Management System", MessageBoxButtons.OK,
MessageBoxIcon.Information); txtUserName.Focus(); return; }
}

private void txtFiscalYear_SelectedIndexChanged(object sender,
EventArgs e)
{
}

private void label3_Click(object sender, EventArgs e)
{
}
}

```

#### 6.4 Backup Data code

```

SaveFileDialog saveBACKUP = new SaveFileDialog();

try
{
    DialogResult Dr;

    saveBACKUP.Filter = "File format (*.bak)|*.bak";

    saveBACKUP.FileName = "INVENTORY ( BACKUP ) " +
DateTime.Now.Year.ToString() + "-" + DateTime.Now.Month.ToString() + "-" +
DateTime.Now.Day.ToString();

    Dr = saveBACKUP.ShowDialog();

    if (Dr == DialogResult.OK)
    {

```

```

string s = null;

s = saveBACKUP.FileName;

SqlCommand cmd = new SqlCommand("Backup database " +
clsGlobalFunction.DatabaseName + " to disk='" + s + "' WITH STATS",
clsGlobalFunction.cnMaster);

cmd.ExecuteNonQuery();

clsGlobalFunction.MessageBoxDisplay("Sucussfully Created
Backup !!!");

}

}

catch (Exception ex)

{

clsGlobalFunction.MessageBoxDisplay(ex.Message);

}

```

#### 6.5 Restore Data code

```

OpenFileDialog RestoreBACKUP = new OpenFileDialog();

try

{

DialogResult Dr;

RestoreBACKUP.Filter = "File format (*.bak)| *.bak";

Dr = RestoreBACKUP.ShowDialog();

if (Dr == DialogResult.OK)

{

string s = null;

s = RestoreBACKUP.FileName;

SqlCommand cmd = new SqlCommand();

cmd.Connection = clsGlobalFunction.cnMaster;

try

{

cmd.CommandText = "Alter Database " +

```

```
clsGlobalFunction.DatabaseName + " SET SINGLE_USER With ROLLBACK IMMEDIATE";

cmd.ExecuteNonQuery();

cmd.CommandText = "RESTORE DATABASE " +

clsGlobalFunction.DatabaseName + " FROM DISK = '" + s + "' WITH REPLACE";

cmd.ExecuteNonQuery();

cmd.CommandText = "Alter Database " +

clsGlobalFunction.DatabaseName + " SET MULTI_USER";

cmd.ExecuteNonQuery();

clsGlobalFunction.MessageBoxDisplay("Sucussfully

Created Restored.Application is Restarted !!!");

Application.Restart();

}

catch (Exception ex) {

clsGlobalFunction.MessageBoxDisplay(ex.Message); }

}
```