**PROJECT TITLE:** Student Management System

**DEVELOPED BY**:ZAIN KHAN

**PROGRAM**: BS-SE

**FRONT-END**: C# .NET

**BACK-END**: SQL SERVER 2014

**Introduction**

The project “**Student Management System a C# .Net Project**” is designed to deal with all kinds of student details ranging from academic reports, university information, course curriculum, and all other resources as required. All student details can be tracked with the aid of this system and can be made useful for reporting purposes. Not only current information but future references can be tracked too.

The program will have the database of the courses offered by the university available at all levels of graduation and main streams, teacher and faculty details as well as batch execution details and all other aspects.

This project is divided into two modules one is login when the user login in this system weather the person is administration or student they will see different screens once you login in the student id they further divided into two modules once is student they further divided in categories add new student, student list, statics , update and delete student and print, and the other module is courses they further divided into categories these are add new course, update and delete the course and print.

**Converting ERD to Tables**

-----------------------------------------------------

CREATE TABLE [dbo].[users] (

[userId] INT NOT NULL,

[password] NVARCHAR (50) NULL,

PRIMARY KEY CLUSTERED ([userId] ASC)

);

"INSERT QUERIES"

insert into dbo.users

values(9280,'1234')

insert into dbo.users

values(9240,'124')

insert into dbo.users

values(9270,'123')

-----------------------------------------------------

-----------------------------------------------------

CREATE TABLE [dbo].[students] (

[Id] INT NOT NULL,

[first\_name] NVARCHAR (50) NULL,

[last\_name] NVARCHAR (50) NULL,

[birthdate] DATE NULL,

[gender] NVARCHAR (200) NULL,

[phone ] NVARCHAR (50) NULL,

[address] NVARCHAR (200) NULL,

[picture] IMAGE NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);

"INSERT QUERIES"

insert into dbo.students

values(100,'Veneeza','Siddiqui','1997-04-27','FEMALE','0341-2109724','Model Colony',0x)

insert into dbo.students

values(8787,'Zain','Khan','1997-02-14','MALE','0340-2109724','Gulshan-e-Maymar',0x)

insert into dbo.students

values(8782,'Yawar','Ahmed','1997-08-14','MALE','0340-2109724','Gulshan-e-Maymar',0x)

insert into dbo.students

values(9406,'Ahsan','Siddqui','1997-02-14','MALE','0311-2109724','Nagan',0x)

insert into dbo.students

values(9279,'Tanzeel','Khan','1999-02-08','MALE','0344-2109724','11A',0x)

insert into dbo.students

values(101,'Summaiyaa','Khan','1997-11-25','FEMALE','0345-2109724','New Karachi',0x)

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CREATE TABLE [dbo].[course] (

[course\_Id] INT NOT NULL,

[course\_name] NVARCHAR (100) NULL,

[credit\_hours] INT NULL,

[description] NVARCHAR (100) NULL,

[id] INT NULL,

PRIMARY KEY CLUSTERED ([course\_Id] ASC)

);

"INSERT QUERIES"

insert into course(course\_Id,course\_name,credit\_hours,description)

values(101,'VPL',3,'C# Programing Language')

insert into course(course\_Id,course\_name,credit\_hours,description)

values(102,'WPL',3,'Web Programing Language')

insert into course(course\_Id,course\_name,credit\_hours,description)

values(103,'Java',3,'Java Programing Language and Oops concept')

insert into dbo.course(course\_Id,course\_name,credit\_hours,description)

values(108,'Software Engineering',3,'SDLC software models and software estimation ')

insert into dbo.course(course\_Id,course\_name,credit\_hours,description)

values(107,'ITCP',3,'Intro To computer programing ')

insert into dbo.course(course\_Id,course\_name,credit\_hours,description)

values(106,'SAD',3,'Deal with use case diagram ,system development life cycle and so on')

insert into dbo.course(course\_Id,course\_name,credit\_hours,description)

values(105,'OOP',3,'Object oriented programing')

**Conclusion**

The project has been carefully designed and efforts have been made to make the system totally error-free. It is efficient and less time consuming in nature.

**SOURCE CODE:**

**Loginform.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 WindowsFormsApplication3

{

public partial class Loginform : Form

{

public Loginform()

{

InitializeComponent();

}

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

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

int userid = Convert.ToInt16(textBox1.Text);

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "SELECT COUNT(\*) FROM users WHERE userid='" + userid + "' AND Password='" + textBox2.Text + "'";

cmd.ExecuteNonQuery();

SqlDataAdapter da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

if (dt.Rows[0][0].ToString() == "1")

{

if (userid == 1001)

{

this.Hide();

new adduserForm().Show();

}

else

{

this.Hide();

new Mainform().Show();

}

}

else

{

DialogResult result = MessageBox.Show("Invalid username or password", "Warning", MessageBoxButtons.RetryCancel);

if (result == DialogResult.Retry)

{

this.Hide();

Loginform f1 = new Loginform();

f1.Show();

}

else

{

Close();

}

}

}

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

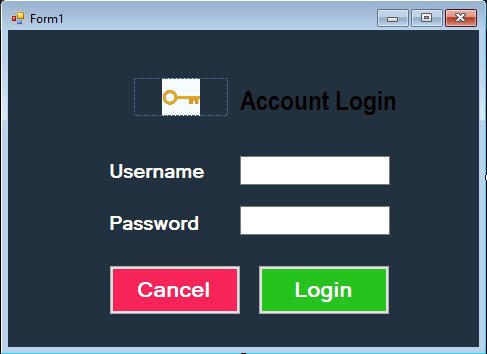
{

this.Close();

}

}

}



**“You enter the student id you can see these screens in front of your pc”**

**Mainform.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;

namespace WindowsFormsApplication3

{

public partial class Mainform : Form

{

public Mainform()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

Close();

}

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

{

this.Hide();

Add\_StudentForm adf = new Add\_StudentForm();

adf.Show(this);

}

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

{

this.Hide();

studentlistForm slf = new studentlistForm();

slf.Show(this);

}

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

{

this.Hide();

updatedeleteForm upf = new updatedeleteForm();

upf.Show(this);

}

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

{

this.Hide();

staticsForm sf = new staticsForm();

sf.Show(this);

}

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

{

this.Hide();

printForm pf = new printForm();

pf.Show(this);

}

private void Mainform\_Load(object sender, EventArgs e)

{

}

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

{

this.Hide();

addcourseForm acf = new addcourseForm();

acf.Show(this);

}

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

{

this.Hide();

removecourseForm rcf = new removecourseForm();

rcf.Show(this);

}

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

{

this.Hide();

editcourseForm f1 = new editcourseForm();

f1.Show(this);

}

private void printToolStripMenuItem1\_Click(object sender, EventArgs e)

{

this.Hide();

printcourseForm pcf = new printcourseForm();

pcf.Show(this);

}

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

{

this.Hide();

addscoreForm acf = new addscoreForm();

acf.Show(this);

}

}

}

**Add\_studentform.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;

using System.IO;

namespace WindowsFormsApplication3

{

public partial class Add\_StudentForm : Form

{

public Add\_StudentForm()

{

InitializeComponent();

}

private void label3\_Click(object sender, EventArgs e)

{

}

private void label1\_Click(object sender, EventArgs e)

{

}

private void label5\_Click(object sender, EventArgs e)

{

}

private void textBox3\_TextChanged(object sender, EventArgs e)

{

}

private void button2\_Click(object sender, EventArgs e)

{

int id =Convert.ToInt16(textBoxid.Text);

string fname = Convert.ToString(textBoxfname.Text);

string lname = Convert.ToString(textBoxlname.Text);

DateTime bdate = Convert.ToDateTime(dateTimePicker1.Value);

string phone = Convert.ToString(textBoxphone.Text);

string add = Convert.ToString(textBoxaddress.Text);

string gender;

MemoryStream pic = new MemoryStream();

if (radioButtonmale.Checked)

{

gender = "MALE";

}

else if(radioButtonfemale.Checked)

{

gender = "FEMALE";

}

else

{

gender = "OTHERS";

}

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText= "insert into students values('"+id+"','"+fname+ "', '" + lname + "','"+ bdate + "','"+gender+"','"+phone+"','"+add+"','"+pictureBoxstudent.Image+"')";

cmd.ExecuteNonQuery();

MessageBox.Show("Record has been saved in database");

reset();

con.Close();

}

public void reset()

{

textBoxfname.Clear();

textBoxlname.Clear();

textBoxaddress.Clear();

textBoxphone.Clear();

textBoxid.Clear();

}

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

{

OpenFileDialog opd = new OpenFileDialog();

opd.Filter = "Select Image(\*.jpg;\*.png;\*.gif)|(\*.jpg;\*.png;\*.gif";

if(opd.ShowDialog()==DialogResult.OK)

{

pictureBoxstudent.Image = Image.FromFile(opd.FileName);

}

else

{

MessageBox.Show("Image can't upload");

}

}

private void button3\_Click(object sender, EventArgs e)

{

this.Hide();

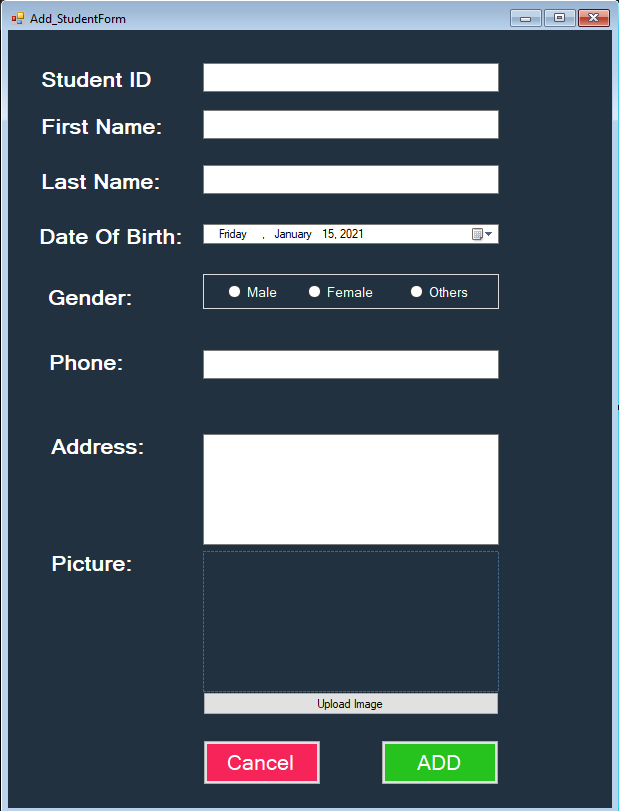
Loginform lf = new Loginform();

lf.Show(this);

}

}

}



**Studentlistform.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;

using System.IO;

namespace WindowsFormsApplication3

{

public partial class studentlistForm : Form

{

public studentlistForm()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

this.Hide();

this.Close();

Mainform mf = new Mainform();

mf.Show();

}

private void button2\_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlDataAdapter sda = new SqlDataAdapter("select \* from students",con);

DataTable dtbl = new DataTable();

sda.Fill(dtbl);

dataGridView1.DataSource = dtbl;

DataGridViewImageColumn piccol = new DataGridViewImageColumn();

piccol = (DataGridViewImageColumn)dataGridView1.Columns[7];

piccol.ImageLayout = DataGridViewImageCellLayout.Stretch;

dataGridView1.AllowUserToAddRows = false;

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

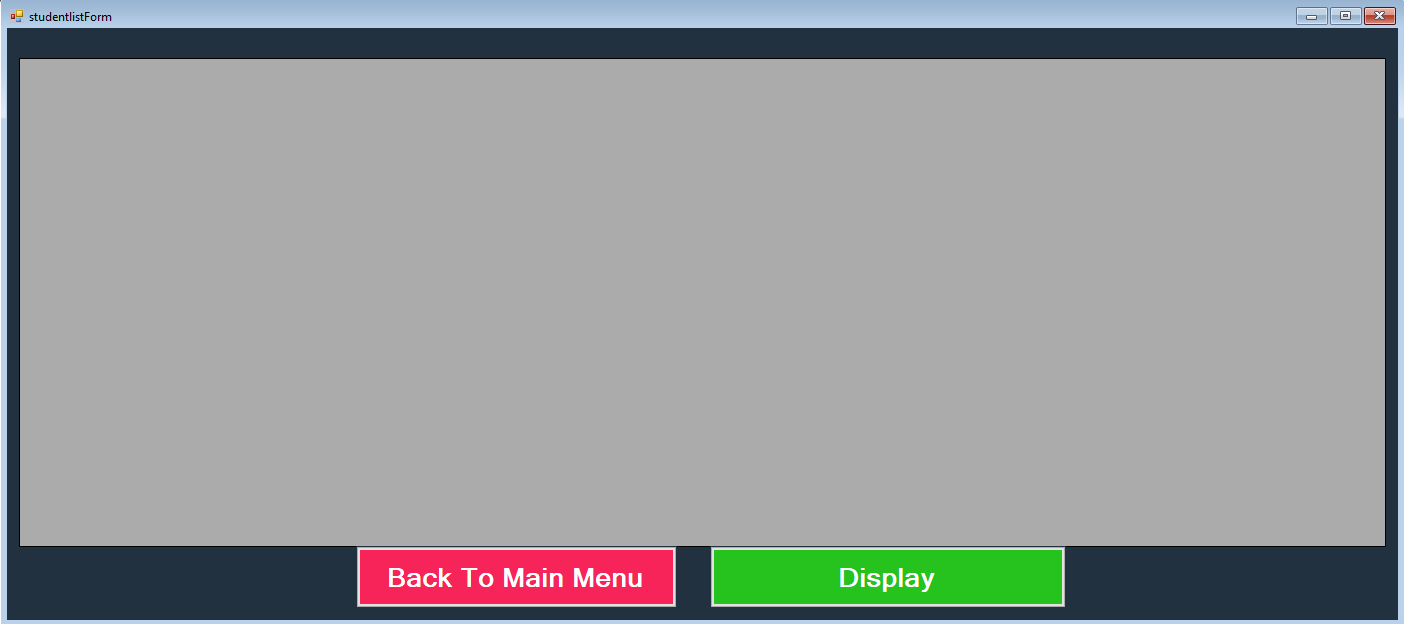
private void studentlistForm\_Load(object sender, EventArgs e)

{

}

}

}



**Staticsform.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 WindowsFormsApplication3

{

public partial class staticsForm : Form

{

public staticsForm()

{

InitializeComponent();

}

Color panTotalColor;

Color panMaleColor;

Color panFemaleColor;

private void staticsForm\_Load(object sender, EventArgs e)

{

panTotalColor = paneltotal.BackColor;

panMaleColor = panelmale.BackColor;

panFemaleColor = panelfemale.BackColor;

staticsForm sf = new staticsForm();

double totalstudents = Convert.ToDouble(sf.totalstudents());

double totalmalestudents = Convert.ToDouble(sf.totalmalestudents());

double totalfemalestudents = Convert.ToDouble(sf.totalfemalestudents());

double malePercentage = totalmalestudents \* 100 / totalstudents;

double femalePercentage = totalfemalestudents \* 100 / totalstudents;

labeltotal.Text = "Total Students:"+totalstudents.ToString();

labelmale.Text = "Male:" + malePercentage.ToString()+"%";

labelfemale.Text = "Female:" + femalePercentage.ToString()+"%";

}

private void labeltotal\_MouseEnter(object sender, EventArgs e)

{

paneltotal.BackColor = Color.White;

labeltotal.ForeColor = panTotalColor;

}

private void labeltotal\_MouseLeave(object sender, EventArgs e)

{

paneltotal.BackColor = panTotalColor;

labeltotal.ForeColor = Color.White;

}

private void paneltotal\_MouseEnter(object sender, EventArgs e)

{

paneltotal.BackColor = Color.White;

labeltotal.ForeColor = panTotalColor;

}

private void paneltotal\_MouseLeave(object sender, EventArgs e)

{

paneltotal.BackColor = panTotalColor;

labeltotal.ForeColor = Color.White;

}

private void panelmale\_MouseEnter(object sender, EventArgs e)

{

panelmale.BackColor = Color.White;

labelmale.ForeColor = panMaleColor;

}

private void panelmale\_MouseLeave(object sender, EventArgs e)

{

panelmale.BackColor = panMaleColor;

labelmale.ForeColor = Color.White;

}

private void panelfemale\_MouseEnter(object sender, EventArgs e)

{

panelfemale.BackColor = Color.White;

labelfemale.ForeColor = panFemaleColor;

}

private void panelfemale\_MouseLeave(object sender, EventArgs e)

{

panelfemale.BackColor = panFemaleColor;

labelfemale.ForeColor = Color.White;

}

private void labelmale\_MouseEnter(object sender, EventArgs e)

{

panelmale.BackColor = Color.White;

labelmale.ForeColor = panMaleColor;

}

private void labelmale\_MouseLeave(object sender, EventArgs e)

{

panelmale.BackColor = panMaleColor;

labelmale.ForeColor = Color.White;

}

private void labelfemale\_MouseEnter(object sender, EventArgs e)

{

panelfemale.BackColor = Color.White;

labelfemale.ForeColor = panFemaleColor;

}

private void labelfemale\_MouseLeave(object sender, EventArgs e)

{

panelfemale.BackColor = panFemaleColor;

labelfemale.ForeColor = Color.White;

}

public string execount(string cmd)

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

SqlCommand command = new SqlCommand(cmd, con);

con.Open();

string count = command.ExecuteScalar().ToString();

con.Close();

return count;

}

//total

public string totalstudents()

{

return execount("select count(gender) from students");

}

//male

public string totalmalestudents()

{

return execount("SELECT COUNT(gender) FROM students WHERE gender= 'male' ");

}

//female

public string totalfemalestudents()

{

return execount("SELECT COUNT(\*) FROM students WHERE gender='female' ");

}

private void button1\_Click(object sender, EventArgs e)

{

this.Hide();

this.Close();

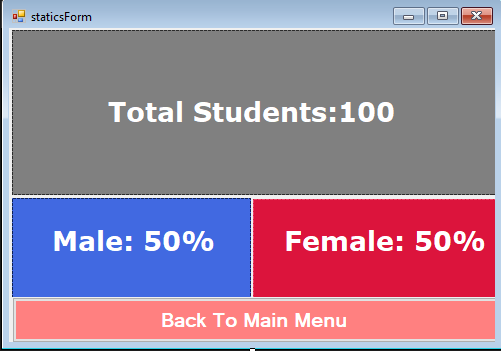
Mainform mf = new Mainform();

mf.Show();

}

}

}



**Update\_deleteform.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 WindowsFormsApplication3

{

public partial class updatedeleteForm : Form

{

public updatedeleteForm()

{

InitializeComponent();

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void button2\_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlDataAdapter sdaa = new SqlDataAdapter("select \* from students", con);

DataTable dt = new DataTable();

sdaa.Fill(dt);

dataGridView1.DataSource = dt;

}

public int studentid;

private void dataGridView1\_CellClick(object sender, DataGridViewCellEventArgs e)

{

textBoxid.Text = dataGridView1.SelectedRows[0].Cells[0].Value.ToString();

textBoxfname.Text = dataGridView1.SelectedRows[0].Cells[1].Value.ToString();

textBoxlname.Text = dataGridView1.SelectedRows[0].Cells[2].Value.ToString();

textBoxphone.Text = dataGridView1.SelectedRows[0].Cells[5].Value.ToString();

textBoxaddress.Text = dataGridView1.SelectedRows[0].Cells[6].Value.ToString();

}

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

{

int id = Convert.ToInt16(textBoxid.Text);

string fname = Convert.ToString(textBoxfname.Text);

string lname = Convert.ToString(textBoxlname.Text);

DateTime bdate = Convert.ToDateTime(dateTimePicker1.Value);

string phone = Convert.ToString(textBoxphone.Text);

string add = Convert.ToString(textBoxaddress.Text);

string gender;

if (radioButtonmale.Checked)

{

gender = "MALE";

}

else if (radioButtonfemale.Checked)

{

gender = "FEMALE";

}

else

{

gender = "OTHERS";

}

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText= "UPDATE students SET first\_name = '" + textBoxfname.Text + "',last\_name='" + textBoxlname.Text + "',birthdate='" + dateTimePicker1.Value + "',gender='" + gender + "',phone='" + textBoxphone.Text + "',address='" + textBoxaddress.Text + "' where id='" + id + "'";

cmd.Parameters.AddWithValue("@fname",textBoxfname.Text);

// cmd.Parameters.AddWithValue("@lname", textBoxlname.Text);

// cmd.Parameters.AddWithValue("@bdate", dateTimePicker1.Value);

//cmd.Parameters.AddWithValue("@gender", gender);

//cmd.Parameters.AddWithValue("@phone", textBoxphone.Text);

//cmd.Parameters.AddWithValue("@add", textBoxaddress.Text);

// cmd.Parameters.AddWithValue("@picture", pictureBoxstudent);

cmd.ExecuteNonQuery();

MessageBox.Show("Record has been updated sucessfully","updated",MessageBoxButtons.OK,MessageBoxIcon.Information);

reset();

con.Close();

}

public void reset()

{

textBoxaddress.Clear();

textBoxfname.Clear();

textBoxlname.Clear();

textBoxphone.Clear();

textBoxid.Clear();

}

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

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

int id = Convert.ToInt16(textBoxid.Text);

cmd.CommandText = "delete from students where id='" + id + "'";

cmd.Parameters.AddWithValue("@id",id);

cmd.ExecuteNonQuery();

MessageBox.Show("Record has been deleted sucessfully", "deleted", MessageBoxButtons.OK, MessageBoxIcon.Information);

reset();

con.Close();

}

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

{

int id = Convert.ToInt16(textBoxid.Text);

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlDataAdapter sda = new SqlDataAdapter("select \* from students where id='" + id + "'", con);

DataTable dtbl = new DataTable();

sda.Fill(dtbl);

dataGridView1.DataSource = dtbl;

con.Close();

}

private void button1\_Click(object sender, EventArgs e)

{

this.Hide();

this.Close();

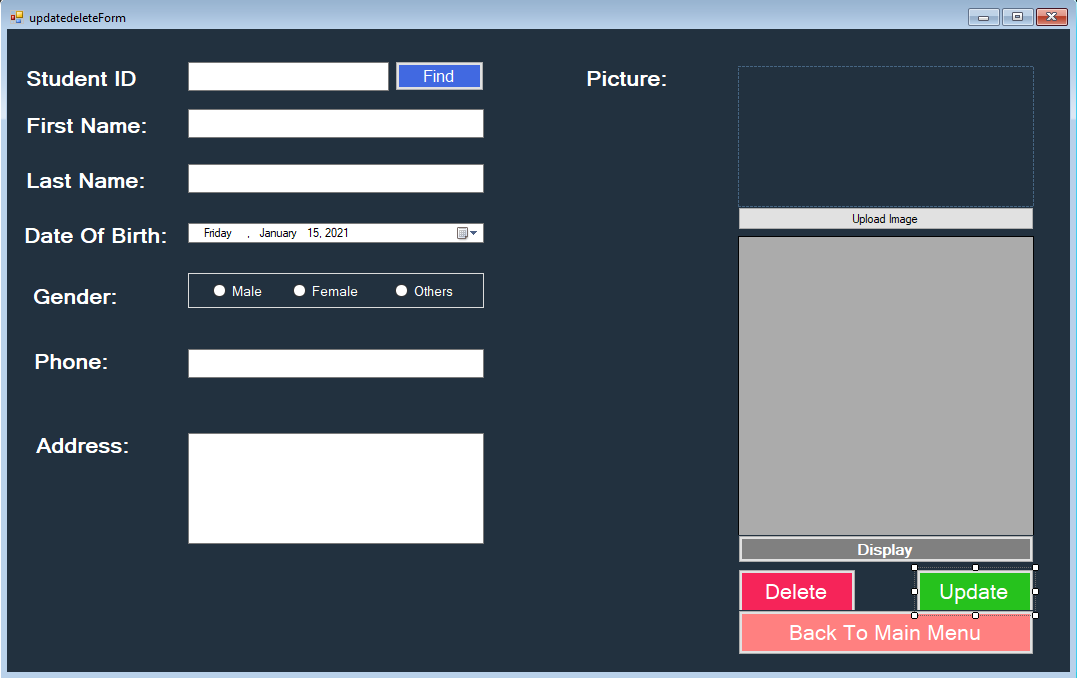
Mainform mf = new Mainform();

mf.Show();

}

}

}



**Printform.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;

using System.IO;

namespace WindowsFormsApplication3

{

public partial class printForm : Form

{

public printForm()

{

InitializeComponent();

}

private void printForm\_Load(object sender, EventArgs e)

{

if (radioButtonno.Checked)

{

dateTimePicker1.Enabled = false;

dateTimePicker2.Enabled = false;

}

else

{

dateTimePicker1.Enabled = true;

dateTimePicker2.Enabled = true;

}

display();

}

public void display()

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlDataAdapter sda = new SqlDataAdapter("select \* from students", con);

DataTable dtbl = new DataTable();

sda.Fill(dtbl);

dataGridView1.DataSource = dtbl;

}

private void radioButtonyes\_CheckedChanged(object sender, EventArgs e)

{

dateTimePicker1.Enabled = true;

dateTimePicker2.Enabled = true;

}

private void radioButtonno\_CheckedChanged(object sender, EventArgs e)

{

dateTimePicker1.Enabled = false;

dateTimePicker2.Enabled = false;

}

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

{

SqlCommand command;

string query;

if (radioButtonyes.Checked)

{

string date1 = dateTimePicker1.Value.ToString("dd-MM-yyyy");

string date2 = dateTimePicker2.Value.ToString("dd-MM-yyyy");

if (radioButtonmale.Checked)

{

query = "select \* from students where birthdate between'" + date1 + "' and '" + date2 + "' and gender= male";

}

else if (radioButtonfemale.Checked)

{

query = "select \* from students where birthdate between'" + date1 + "' and '" + date2 + "' and gender= 'female'";

}

else

{

query = "select \* from students ";

//where birthdate between'" + date1 + "' and '" + date2 + "'

}

command = new SqlCommand(query);

dataGridView1.DataSource = command;

}

else

{

display();

}

}

public void fillgrid()

{

dataGridView1.ReadOnly = true;

DataGridViewImageColumn piccol = new DataGridViewImageColumn();

dataGridView1.RowTemplate.Height = 80;

}

private void button2\_Click(object sender, EventArgs e)

{

string path = Environment.GetFolderPath(Environment.SpecialFolder.Desktop) + @"\students\_list.txt";

using (StreamWriter writer = new StreamWriter("students\_list.txt"))

for (int i=0;i<dataGridView1.Rows.Count-1;i++)

{

for(int j=0;j<dataGridView1.Columns.Count;j++)

{

writer.Write("\t" + dataGridView1.Rows[i].Cells[j].Value.ToString() + "\t" + "|");

}

writer.WriteLine("");

writer.WriteLine("--------------------------------------------------------------------------");

}

MessageBox.Show("Data Exported");

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

this.Hide();

this.Close();

Mainform mf = new Mainform();

mf.Show();

}

}

}



**Addcourseform.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 WindowsFormsApplication3

{

public partial class addcourseForm : Form

{

public addcourseForm()

{

InitializeComponent();

}

private void button2\_Click(object sender, EventArgs e)

{

this.Close();

Mainform mf = new Mainform();

mf.Show();

}

private void button1\_Click(object sender, EventArgs e)

{

string coursename = Convert.ToString(textBoxsub.Text);

string description = Convert.ToString(textBoxdes.Text);

int id = Convert.ToInt16(textBoxcid.Text);

int cd = Convert.ToInt16(numericUpDown1.Value);

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "insert into course(course\_id,course\_name,credit\_hours,description) values('" + id + "','" + coursename + "', '" + cd + "','" + description + "')";

cmd.ExecuteNonQuery();

MessageBox.Show("Course has been saved sucessfully");

reset();

con.Close();

}

public void reset()

{

textBoxcid.Clear();

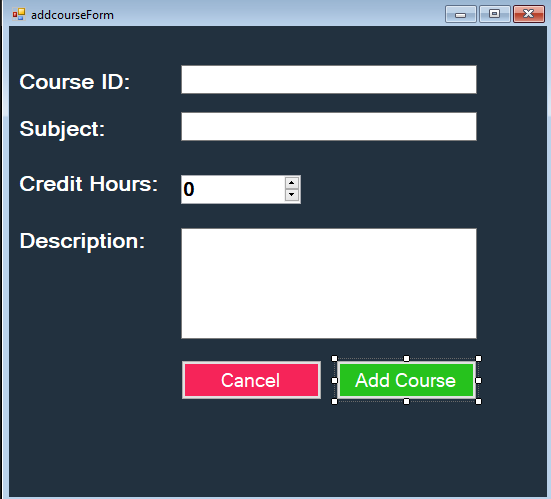
textBoxdes.Clear();

textBoxsub.Clear();

}

}

}



**Editcouseform.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 WindowsFormsApplication3

{

public partial class editcourseForm : Form

{

public editcourseForm()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

string st = Convert.ToString(textBox1.Text);

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlDataAdapter sda = new SqlDataAdapter("select \* from course where course\_name='"+st+"'",con);

DataTable dtbl = new DataTable();

sda.Fill(dtbl);

dataGridView1.DataSource = dtbl;

con.Close();

textBox1.Clear();

}

private void dataGridView1\_CellClick(object sender, DataGridViewCellEventArgs e)

{

textBox2.Text = dataGridView1.SelectedRows[0].Cells[0].Value.ToString();

textBox3.Text = dataGridView1.SelectedRows[0].Cells[1].Value.ToString();

textBox4.Text = dataGridView1.SelectedRows[0].Cells[3].Value.ToString();

}

private void button3\_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "UPDATE course SET course\_name='" + textBox3.Text + "',description='" + textBox4.Text + "' where course\_id='" + textBox2.Text + "'";

cmd.Parameters.AddWithValue("@cid", textBox2.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("Course has been updated sucessfully", "updated", MessageBoxButtons.OK, MessageBoxIcon.Information);

con.Close();

}

private void button4\_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlDataAdapter sda = new SqlDataAdapter("select \* from course ", con);

DataTable dtbl = new DataTable();

sda.Fill(dtbl);

dataGridView1.DataSource = dtbl;

con.Close();

}

private void button5\_Click(object sender, EventArgs e)

{

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void button2\_Click(object sender, EventArgs e)

{

this.Hide();

this.Close();

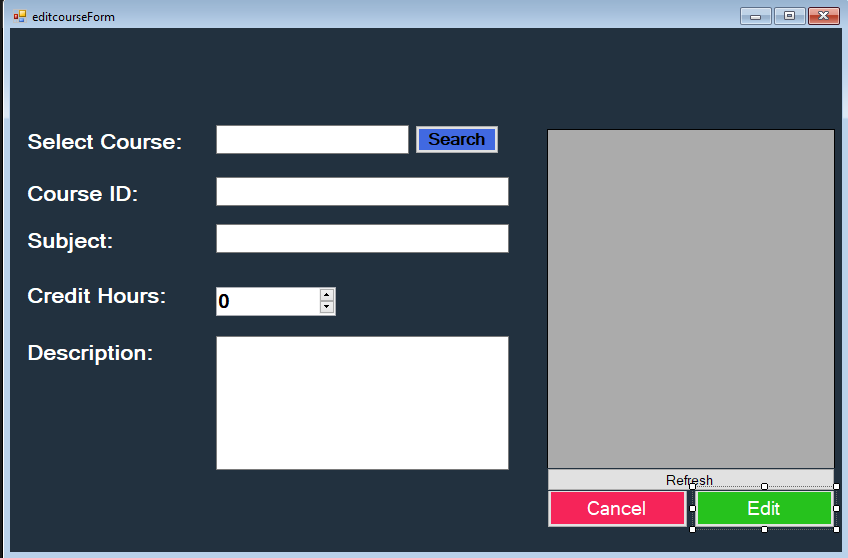
Mainform mf = new Mainform();

mf.Show();

}

}

}



**Removecourseform.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 WindowsFormsApplication3

{

public partial class removecourseForm : Form

{

public removecourseForm()

{

InitializeComponent();

}

private void button2\_Click(object sender, EventArgs e)

{

this.Hide();

this.Close();

Mainform mf = new Mainform();

mf.Show();

}

private void button1\_Click(object sender, EventArgs e)

{

int eycid = Convert.ToInt32(textBoxeycid.Text);

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "delete from course where course\_id='"+eycid+"'";

cmd.ExecuteNonQuery();

MessageBox.Show("Are you sure you want to remove this course","delete course",MessageBoxButtons.YesNo,MessageBoxIcon.Question);

reset();

con.Close();

}

public void reset()

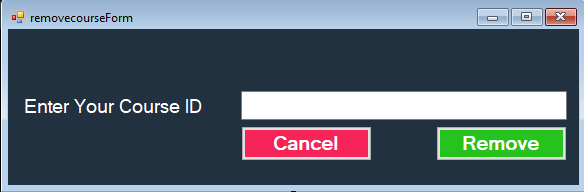
{

textBoxeycid.Clear();

}

}

}



**Printcourseform.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;

using System.IO;

namespace WindowsFormsApplication3

{

public partial class printcourseForm : Form

{

public printcourseForm()

{

InitializeComponent();

}

private void printcourseForm\_Load(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlDataAdapter sda = new SqlDataAdapter("select \* from course ", con);

DataTable dtbl = new DataTable();

sda.Fill(dtbl);

dataGridView1.DataSource = dtbl;

con.Close();

}

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

{

string path = Environment.GetFolderPath(Environment.SpecialFolder.Desktop) + @"\course.txt";

using (StreamWriter writer = new StreamWriter("course\_list.txt"))

for (int i = 0; i < dataGridView1.Rows.Count - 1; i++)

{

for (int j = 0; j < dataGridView1.Columns.Count; j++)

{

writer.Write("\t" + dataGridView1.Rows[i].Cells[j].Value.ToString() + "\t" + "|");

}

writer.WriteLine("");

writer.WriteLine("-------------------------------------------------------------------------------------------------------------------------");

}

MessageBox.Show("Data Exported");

}

private void button1\_Click(object sender, EventArgs e)

{

this.Hide();

this.Close();

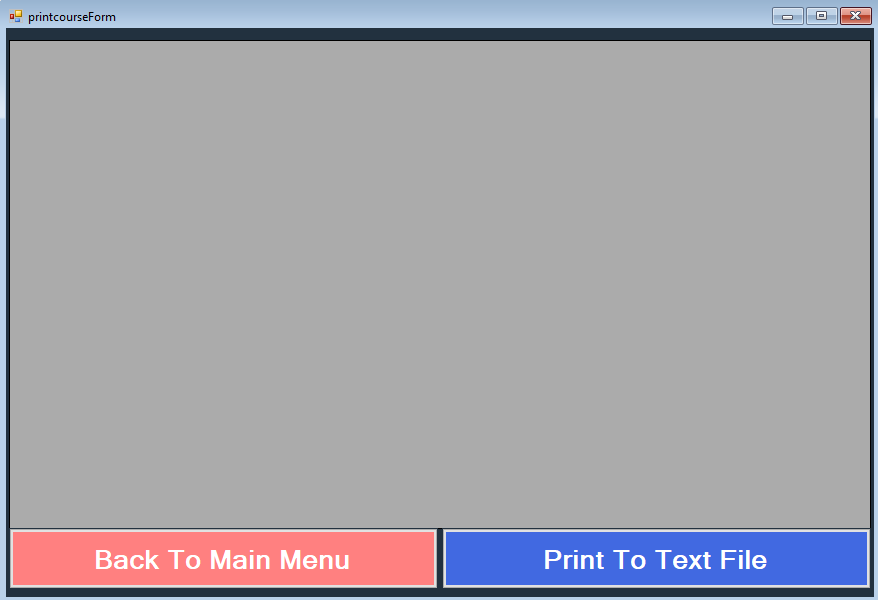
Mainform mf = new Mainform();

mf.Show();

}

}

}



**“You enter the admin id you can add user screens in front of your pc”**

**Adduserform.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 WindowsFormsApplication3

{

public partial class adduserForm : Form

{

public adduserForm()

{

InitializeComponent();

}

private void textBox1\_Leave(object sender, EventArgs e)

{

if(string.IsNullOrEmpty(textBox1.Text)==true)

{

textBox1.Focus();

errorProvider1.SetError(this.textBox1,"Please enter username");

}

else

{

errorProvider1.Clear();

}

}

private void textBox2\_Leave(object sender, EventArgs e)

{

if (string.IsNullOrEmpty(textBox2.Text) == true)

{

textBox1.Focus();

errorProvider2.SetError(this.textBox2, "Please enter password");

}

else

{

errorProvider2.Clear();

}

}

private void textBox3\_Leave(object sender, EventArgs e)

{

if(textBox2.Text!=textBox3.Text)

{

errorProvider3.SetError(this.textBox3,"Your password is not matched");

}

else

{

errorProvider3.Clear();

}

}

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

{

int id = Convert.ToInt16(textBox1.Text);

int pass = Convert.ToInt16(textBox2.Text);

int cpass = Convert.ToInt16(textBox3.Text);

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-TE62LBT\SQLEXPRESS;Initial Catalog=SMS;Integrated Security=True");

con.Open();

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

cmd.CommandText = "insert into users values('" + id + "','" + cpass + "')";

cmd.ExecuteNonQuery();

MessageBox.Show("Sign Up Sucessfully");

con.Close();

}

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

{

this.Hide();

Loginform lf = new Loginform();

lf.Show(this);

}

}

}

