

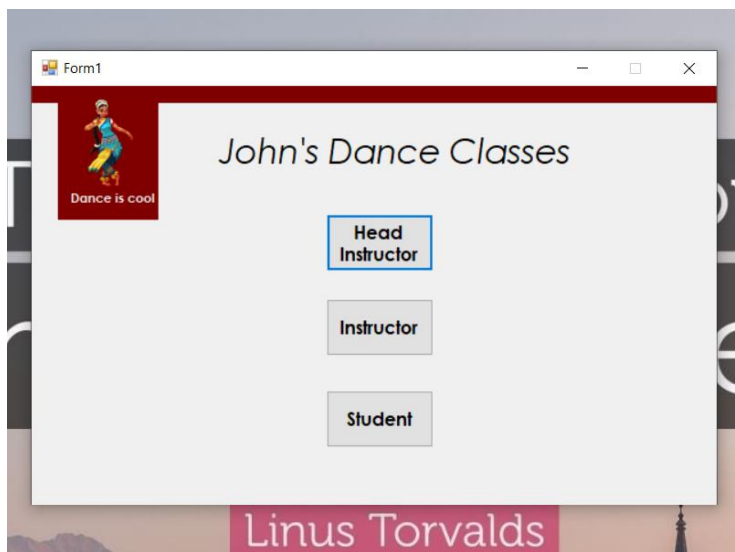
Aim : To demonstrate the working of the dance class management system along with explaining code implementation and design

Tool Used : Microsoft Visual Studio 2019

Overview:

The system has 3 main users i.e Head Instructor, Instructors and Students. All users have different authority in the system. The Head Instructor and Instructors have a password whereas a Student does not need a password to enter the system

Main Screen



```
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 SE_project
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            login l = new login();
            l.Show();
            this.WindowState = FormWindowState.Minimized;
        }

        private void button3_Click(object sender, EventArgs e)
```

```

    {
        login l = new login();
        l.Show();
        this.WindowState = FormWindowState.Minimized;
    }

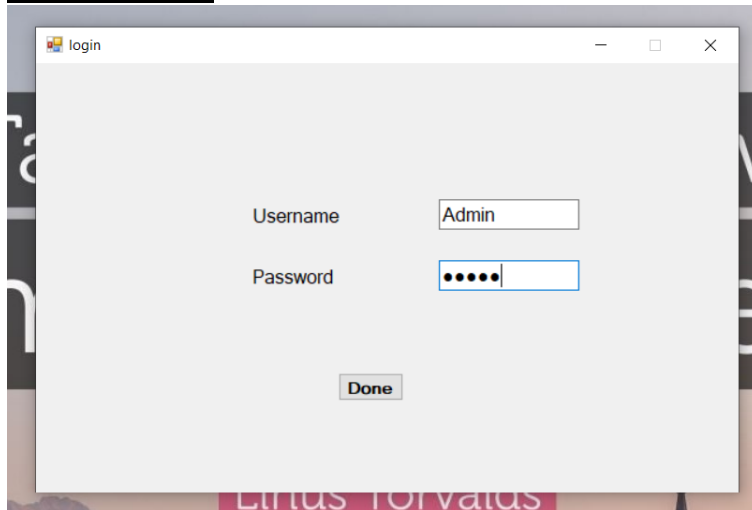
private void button2_Click(object sender, EventArgs e)
{
    Student_op s = new Student_op();
    s.Show();
    this.WindowState = FormWindowState.Minimized;
}
}
}

```

Now let us look at the features of each user

A. Head Instructor

1.) Login Screen



```

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 SE_project
{
    public partial class login : Form
    {
        string user, pass;
        public login()
        {
            InitializeComponent();
            label3.Text = "";
        }

        private void button1_Click(object sender, EventArgs e)
        {

```

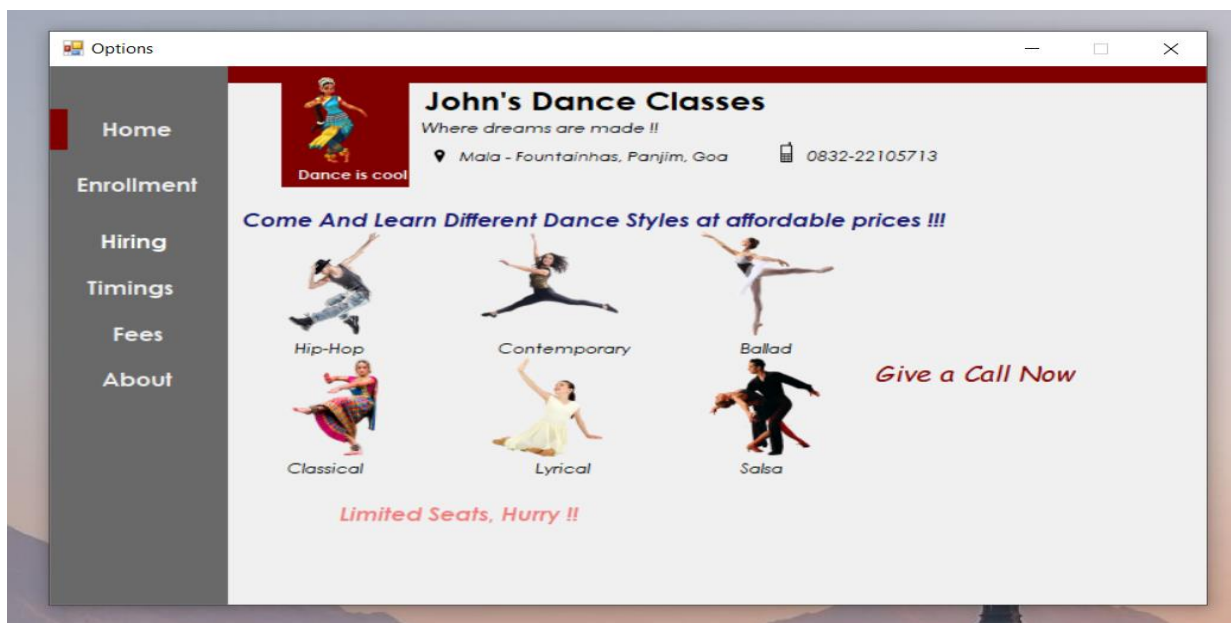
```

user = textBox1.Text;
pass = textBox2.Text;

if (user == "Admin" && pass == "Admin")
{
    label3.Text = "Login Successfull";
    Options o = new Options();
    o.Show();
}
else if (user == "admin" && pass == "admin")
{
    label3.Text = "Login Successfull";
    Instructor_op o = new Instructor_op();
    o.Show();
}
else
    label3.Text = "Incorrect Password or Username";
}
}
}

```

2. Options (All operations that can be performed by head instructor)



```

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 SE_project
{
    public partial class Options : Form
    {
        public Options()
        {

```

```

        InitializeComponent();
        sidePanel.Height = button1.Height;
        sidePanel.Top = button1.Top;
        test1.BringToFront();
    }

    private void button2_Click(object sender, EventArgs e)
    {
        sidePanel.Height = button2.Height;
        sidePanel.Top = button2.Top;
        enrollment1.BringToFront();
    }

    private void button5_Click(object sender, EventArgs e)
    {
        sidePanel.Height = button5.Height;
        sidePanel.Top = button5.Top;
        hiring1.BringToFront();
    }

    private void button6_Click(object sender, EventArgs e)
    {
        sidePanel.Height = button6.Height;
        sidePanel.Top = button6.Top;
        timings1.BringToFront();
    }

    private void button1_Click(object sender, EventArgs e)
    {
        sidePanel.Height = button1.Height;
        sidePanel.Top = button1.Top;
        test1.BringToFront();
    }

    private void button3_Click(object sender, EventArgs e)
    {
        sidePanel.Height = button3.Height;
        sidePanel.Top = button3.Top;
        fees1.BringToFront();
    }

    private void button4_Click(object sender, EventArgs e)
    {
        sidePanel.Height = button4.Height;
        sidePanel.Top = button4.Top;
        about1.BringToFront();
    }
}

```

2a.) Home

```

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 SE_project

```

```

{
    public partial class Test : UserControl
    {
        public Test()
        {
            InitializeComponent();
        }
    }
}

```

2b.) Enrollment

Feature to add or search a student from the student database.

John's Dance Classes
Where dreams are made !!
Mala - Fountainhas, Panjim, Goa | 0832-22105713

Enrollment Form:

Name: Age: Contact:
 Address: Dance Style: Timing:

ID	S_Name	Age	Contact	Address	Style
1	King James	36	656785568	Mapusa	Contemp
2	King Singh	13	23454564	Mapusa	Classical
3	Lany Bird	45	43665	Vasco	Lyrical
4	Edgar Camelo	19	9359090587	Merces	Lyrical

Search:

Buttons: Save, New, Edit, Clear

John's Dance Classes
Where dreams are made !!
Mala - Fountainhas, Panjim, Goa | 0832-22105713

Enrollment Form:

Name: Age: Contact:
 Address: Dance Style: Timing:

ID	S_Name	Age	Contact	Address	Style
1	King James	36	656785568	Mapusa	Contemp
2	King Singh	13	23454564	Mapusa	Classical

Search:

Buttons: Save, New, Edit, Clear

```

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 SE_project
{
    public partial class Enrollment : UserControl
    {
        public Enrollment()
        {
            InitializeComponent();
            panel.Enabled = false;

            private void button1_Click(object sender, EventArgs e)
            {
                try
                {
                    studentdetailsBindingSource.EndEdit();

student_detailsTableAdapter.Update(this.appData.Student_details);
                    panel.Enabled = false;

                }
                catch (Exception ex)
                {
                    MessageBox.Show(ex.Message, "Message", MessageBoxButtons.OK,
MessageBoxIcon.Error);
                    studentdetailsBindingSource.ResetBindings(false);
                }

            }
            private void button2_Click(object sender, EventArgs e)
            {
                txtName.Text = txtAge.Text = txtContact.Text = txtAddress.Text="";
                txtDanceStyle.Text = txtDanceStyle.Items[0].ToString();
                txtTiming.Text = txtTiming.Items[0].ToString();
                panel.Enabled = false;
                studentdetailsBindingSource.ResetBindings(false);
            }

            private void Enrollment_Load(object sender, EventArgs e)
            {
                this.student_detailsTableAdapter.Fill(this.appData.Student_details);
                studentdetailsBindingSource.DataSource =
                this.appData.Student_details;
            }

            private void btnNew_Click(object sender, EventArgs e)
            {
                txtTiming.Text = txtTiming.Items[0].ToString(); txtDanceStyle.Text
= txtDanceStyle.Items[0].ToString();
                panel.Enabled = true;
                txtName.Focus();

```

```

this.appData.Student_details.AddStudent_detailsRow(this.appData.Student_details
.NewStudent_detailsRow());
    studentdetailsBindingSource.MoveLast();
}

private void btnEdit_Click(object sender, EventArgs e)
{
    panel.Enabled = true;
    txtName.Focus();
}

private void dataGridView1_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyCode == Keys.Delete)
    {
        if (MessageBox.Show("Are you sure you want to delete this
record ?", "Message", MessageBoxButtons.YesNo, MessageBoxIcon.Question) ==
DialogResult.Yes)
        {
            studentdetailsBindingSource.RemoveCurrent();
        }
    }
}

private void txtSearch_KeyPress(object sender, KeyPressEventArgs e)
{
    if (e.KeyChar == (char)13)
    {
        if (string.IsNullOrEmpty(txtSearch.Text))

this.student_detailsTableAdapter.Fill(this.appData.Student_details);
        studentdetailsBindingSource.DataSource =
this.appData.Student_details;
        dataGridView1.DataSource = studentdetailsBindingSource;
    }
    else
    {
        var query = from o in this.appData.Student_details
                    where o.S_Name.Contains(txtSearch.Text) ||
o.Contact == txtSearch.Text
                    select o;
        //studentdetailsBindingSource.DataSource = query.ToList();
        dataGridView1.DataSource = query.ToList();
    }
}
}
}

```

2c.) Hiring

Feature to hire an instructor and get details of an instructor

John's Dance Classes
Where dreams are made !!
Mala - Fountainhas, Panjim, Goa 0832-22105713

Name: Age: Contact:
Address: Email:

ID	I_Name	I_Age	I_Contact	I_Address	I_Email
1	Raj Naik	25	9258045123	Vasco	rajnaik02@...
2	Salim Sheik	27	9945886769	Cortalim	salim@gma...
3	Ryan Fernandes	28	7798105713	Goa-Velha	ryan03@h...

Search:

Done New Edit Clear

John's Dance Classes
Where dreams are made !!
Mala - Fountainhas, Panjim, Goa 0832-22105713

Name: Age: Contact:
Address: Email:

ID	I_Name	I_Age	I_Contact	I_Address	I_Email
3	Ryan Fernandes	28	7798105713	Goa-Velha	ryan03@h...

Search:

Done New Edit Clear

```
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 SE_project
{
    public partial class Hiring : UserControl
    {
        public Hiring()
        {
            InitializeComponent();
            panel.Enabled = false;
        }
    }
}
```



```

private void Hiring_Load(object sender, EventArgs e)
{
    this.instructorsTableAdapter.Fill(this.dataSet.Instructors);
    instructorsBindingSource.DataSource = this.dataSet.Instructors;
}

private void button1_Click(object sender, EventArgs e)
{
    try
    {
        instructorsBindingSource.EndEdit();
        instructorsTableAdapter.Update(this.dataSet.Instructors);
        panel.Enabled = false;
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message, "Message", MessageBoxButtons.OK,
        MessageBoxIcon.Error);
        instructorsBindingSource.ResetBindings(false);
    }
}

private void btnNew_Click(object sender, EventArgs e)
{
    txtName.Text = txtAddress.Text = txtContact.Text = txtEmail.Text =
txtAge.Text = "";
    panel.Enabled = true;
    txtName.Focus();

    this.dataSet.Instructors.AddInstructorsRow(this.dataSet.Instructors.NewInstruct
orsRow());
    instructorsBindingSource.MoveLast();
}

private void btnClear_Click(object sender, EventArgs e)
{
    txtName.Text = txtAddress.Text = txtContact.Text = txtEmail.Text =
txtAge.Text="";
}

private void textBox1_KeyPress(object sender, KeyPressEventArgs e)
{
    if (e.KeyChar == (char)13)
    {
        if (string.IsNullOrEmpty(txtSearch.Text))
        {
            this.instructorsTableAdapter.Fill(this.dataSet.Instructors);
            instructorsBindingSource.DataSource =
this.dataSet.Instructors;
            dataGridView1.DataSource = instructorsBindingSource;
        }
        else
        {
            var query = from o in this.dataSet.Instructors
                        where o.I_Name.Contains(txtSearch.Text) ||
o.I_Contact == txtSearch.Text || o.I_Email == txtSearch.Text
                        select o;
            //instructorsBindingSource.DataSource = query.ToList();
            dataGridView1.DataSource = query.ToList();
        }
    }
}

```

```

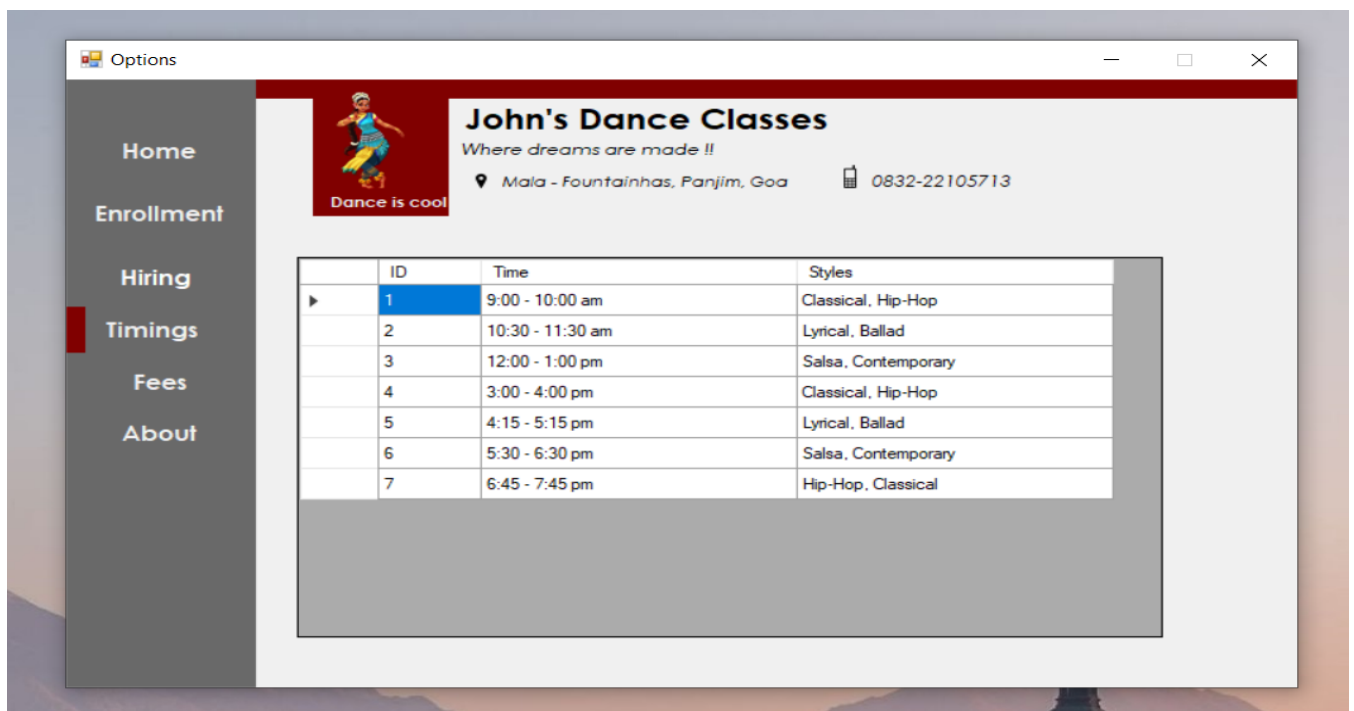
    }
}
}private void dataGridView1_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyCode == Keys.Delete)
    {
        if (MessageBox.Show("Are you sure you want to delete this
record ?", "Message", MessageBoxButtons.YesNo, MessageBoxIcon.Question) ==
DialogResult.Yes)
            instructorsBindingSource.RemoveCurrent();
    }
}

private void btnEdit_Click(object sender, EventArgs e)
{
    panel.Enabled = true;
    txtName.Focus();
}
}
}

```

2d.) Timings

Feature to view and change dance class timings



```

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 SE_project
{
    public partial class Timings : UserControl

```

```

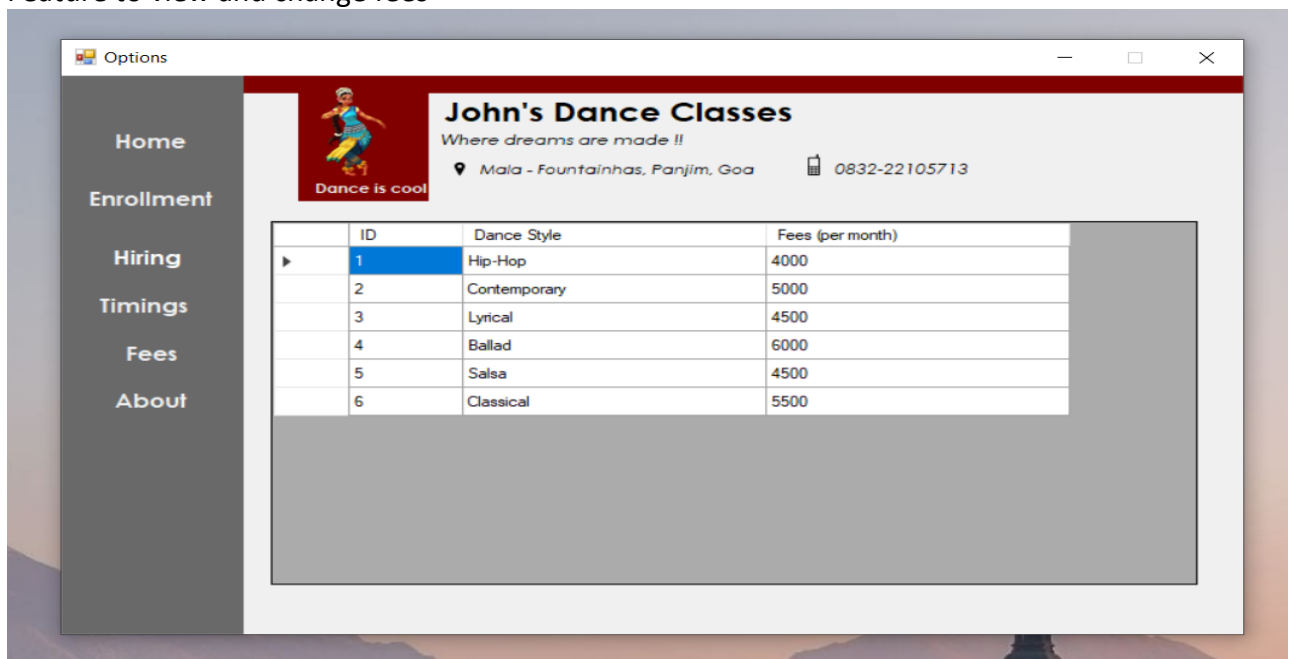
{
    public Timings()
    {
        InitializeComponent();
    }

    private void Timings_Load(object sender, EventArgs e)
    {
        this.timingsTableAdapter.Fill(this.misc.Timings);
        timingsBindingSource.DataSource = this.misc.Timings;
    }
}
}

```

2e.) Fees

Feature to view and change fees



```

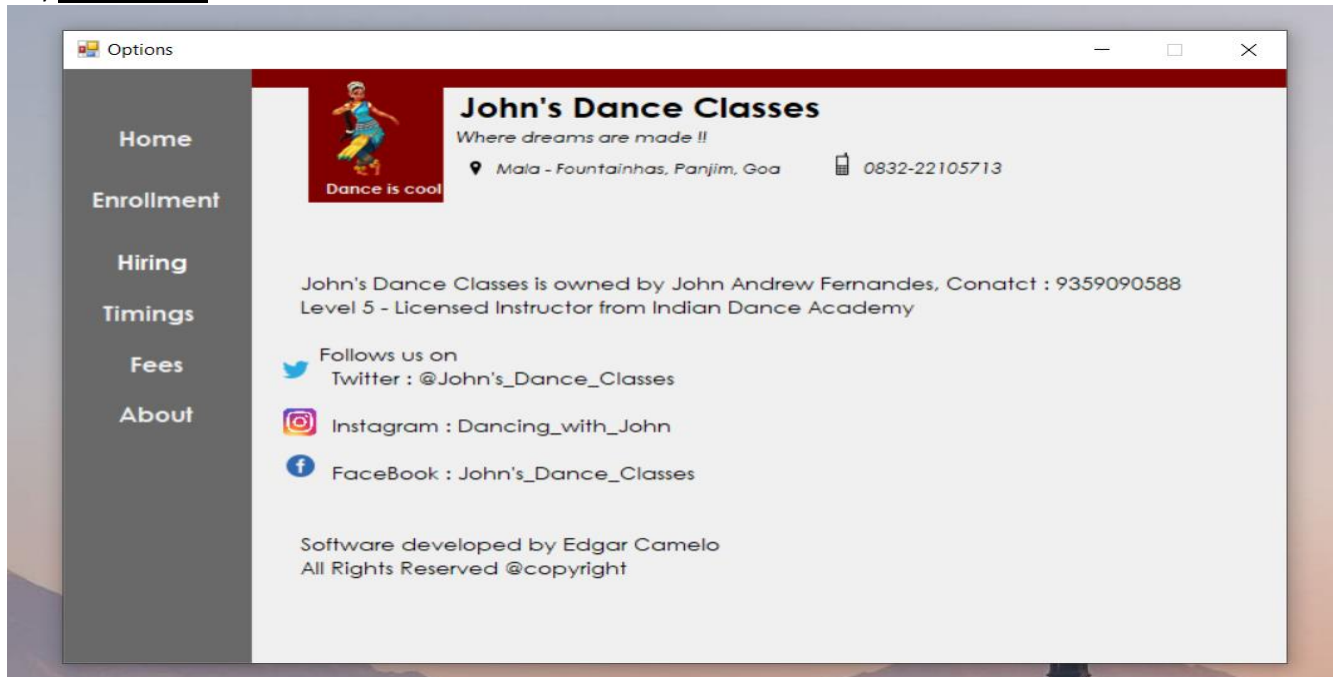
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace SE_project
{
    public partial class Fees : UserControl{
        public Fees() {
            InitializeComponent();
        }

        private void Fees_Load(object sender, EventArgs e) {
            this.feesTableAdapter.Fill(this.misc.Fees);
            feesBindingSource.DataSource = this.misc.Fees;
        }
    }
}

```

2f.) About Page

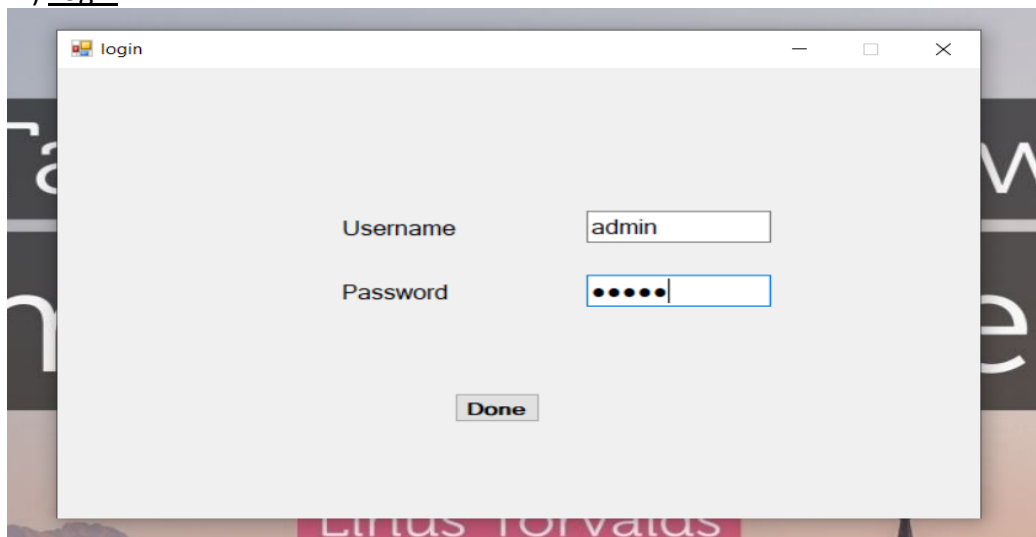


```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

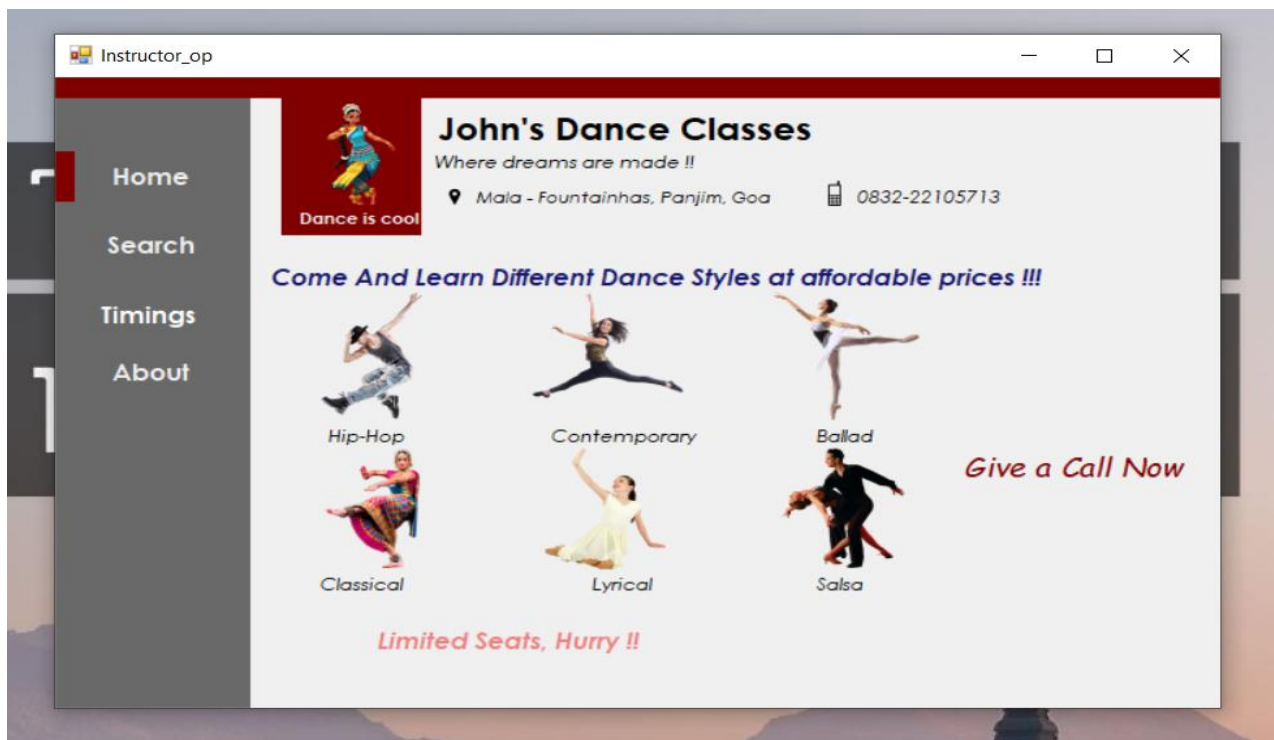
namespace SE_project{
    public partial class about : UserControl
    {
        public about() {
            InitializeComponent();
        }
    }
}
```

B. Instructor

1.) Login



2.) Instructor_ops (operations that can be performed by an instructor)



```
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 SE_project
{
    public partial class Instructor_op : Form
    {
        public Instructor_op()
        {
            InitializeComponent();
            sidePanel.Height = button1.Height;
            sidePanel.Top = button1.Top;
            test1.BringToFront();
        }
        private void button2_Click(object sender, EventArgs e)
        {
            sidePanel.Height = button2.Height;
            sidePanel.Top = button2.Top;
            update1.BringToFront();
        }

        private void button3_Click(object sender, EventArgs e)
        {
            sidePanel.Height = button3.Height;
            sidePanel.Top = button3.Top;
            timings1.BringToFront();
        }

        private void button4_Click(object sender, EventArgs e)
        {

```

```

{
    sidePanel.Height = button4.Height;
    sidePanel.Top = button4.Top;
    about1.BringToFront();
}

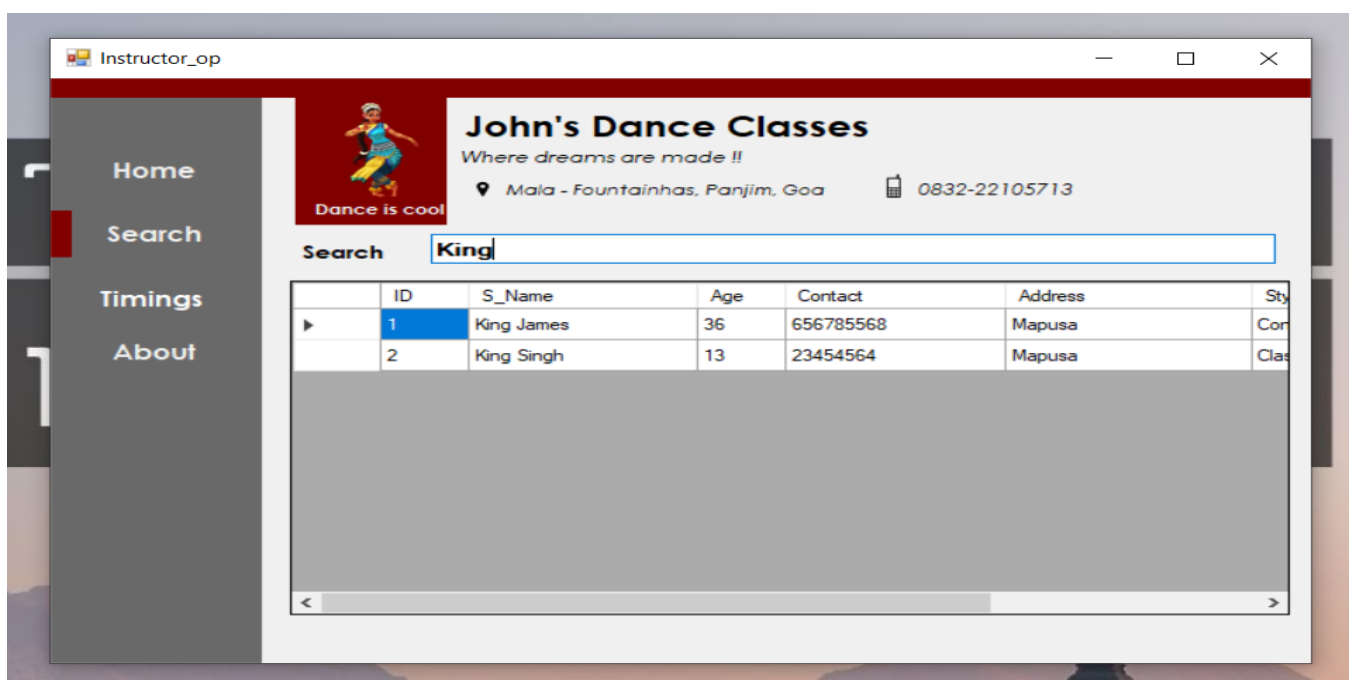
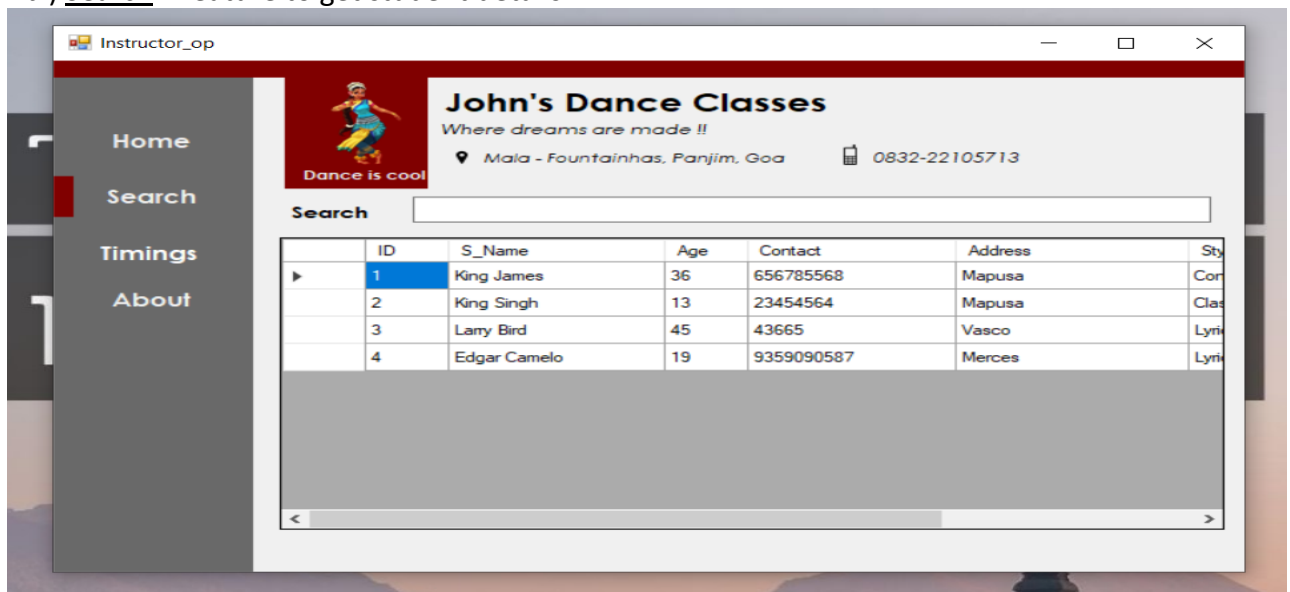
private void button1_Click_1(object sender, EventArgs e)
{
    sidePanel.Height = button1.Height;
    sidePanel.Top = button1.Top;
    test1.BringToFront();
}
}

```

2a.) Home

Same as Home in Head instructor Features.

2b.) Search - Feature to get student details



```

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 SE_project
{
    public partial class Update : UserControl
    {
        public Update() {
            InitializeComponent();
        }

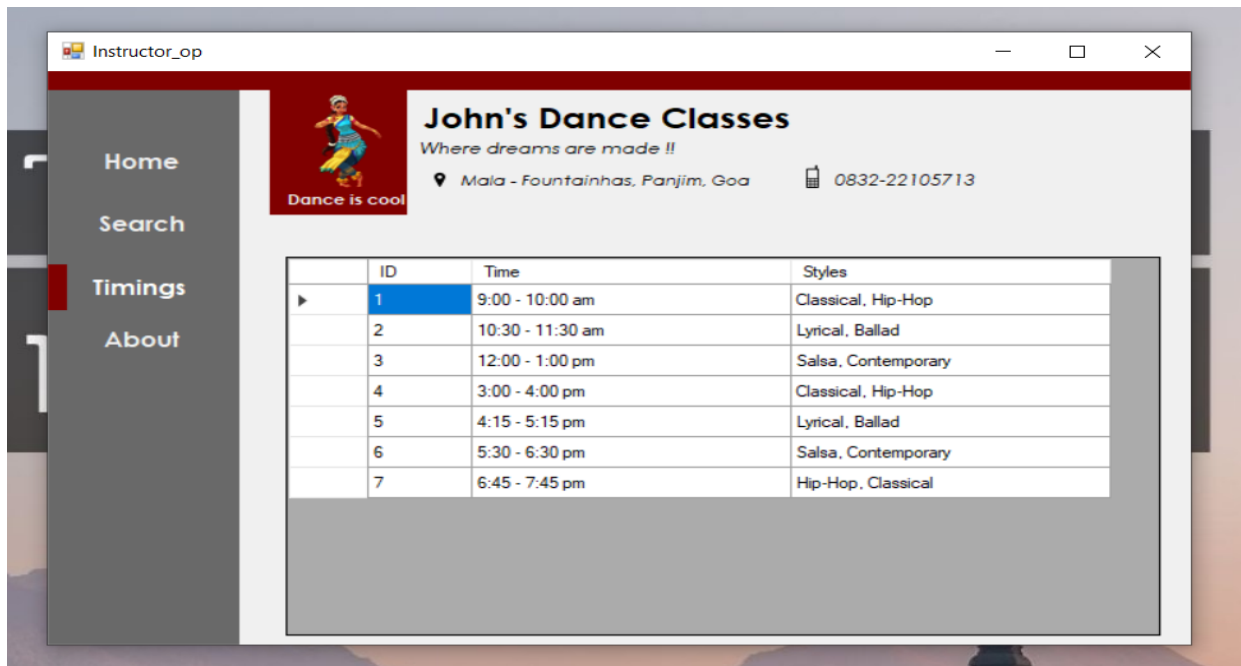
        private void Update_Load(object sender, EventArgs e) {
this.student_detailsTableAdapter.Fill(this.appData.Student_details);
            studentdetailsBindingSource.DataSource =
this.appData.Student_details;
        }

        private void txtSearch_KeyPress(object sender, KeyPressEventArgs e) {
            if (e.KeyChar == (char)13)
            {
                if (string.IsNullOrEmpty(txtSearch.Text))
                {
this.student_detailsTableAdapter.Fill(this.appData.Student_details);
                    studentdetailsBindingSource.DataSource =
this.appData.Student_details;
                    dataGridView1.DataSource = studentdetailsBindingSource;
                }
                else
                {
                    var query = from o in this.appData.Student_details
                                where o.S_Name.Contains(txtSearch.Text) ||
                                o.Contact == txtSearch.Text
                                select o;
                    //studentdetailsBindingSource.DataSource = query.ToList();
                    dataGridView1.DataSource = query.ToList();
                }
            }
        }
    }
}

```

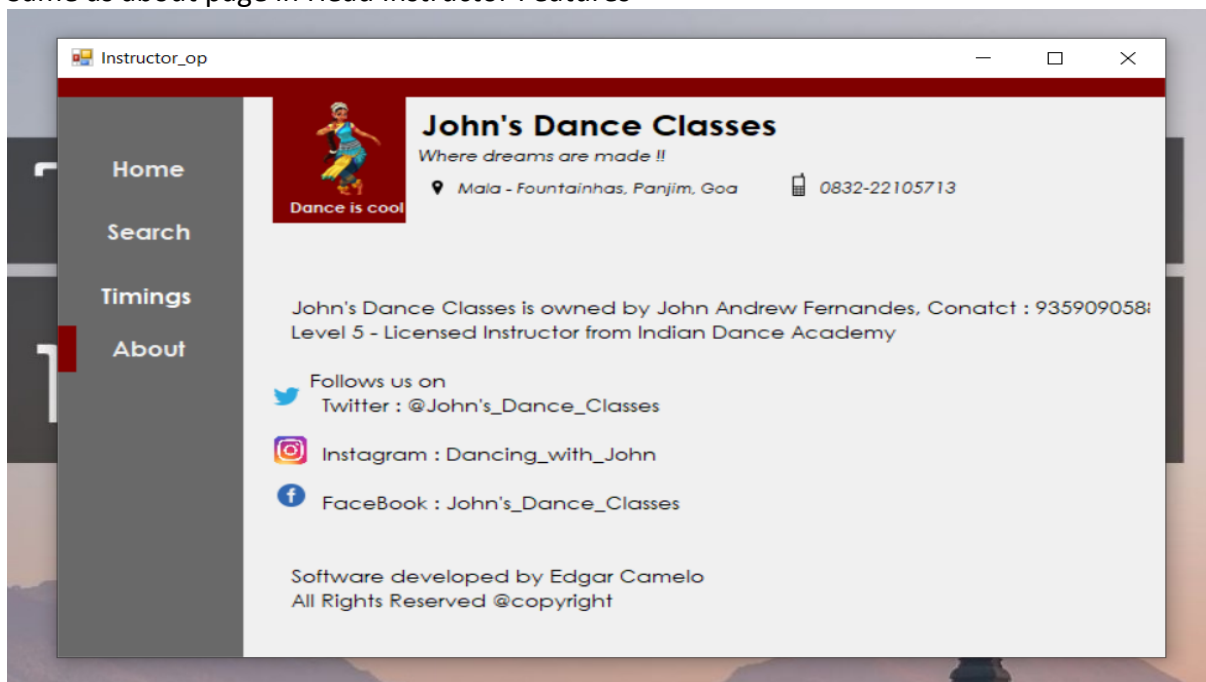
2c.) Timings

Same as the Timings in Head Instructor features.



2d.) About

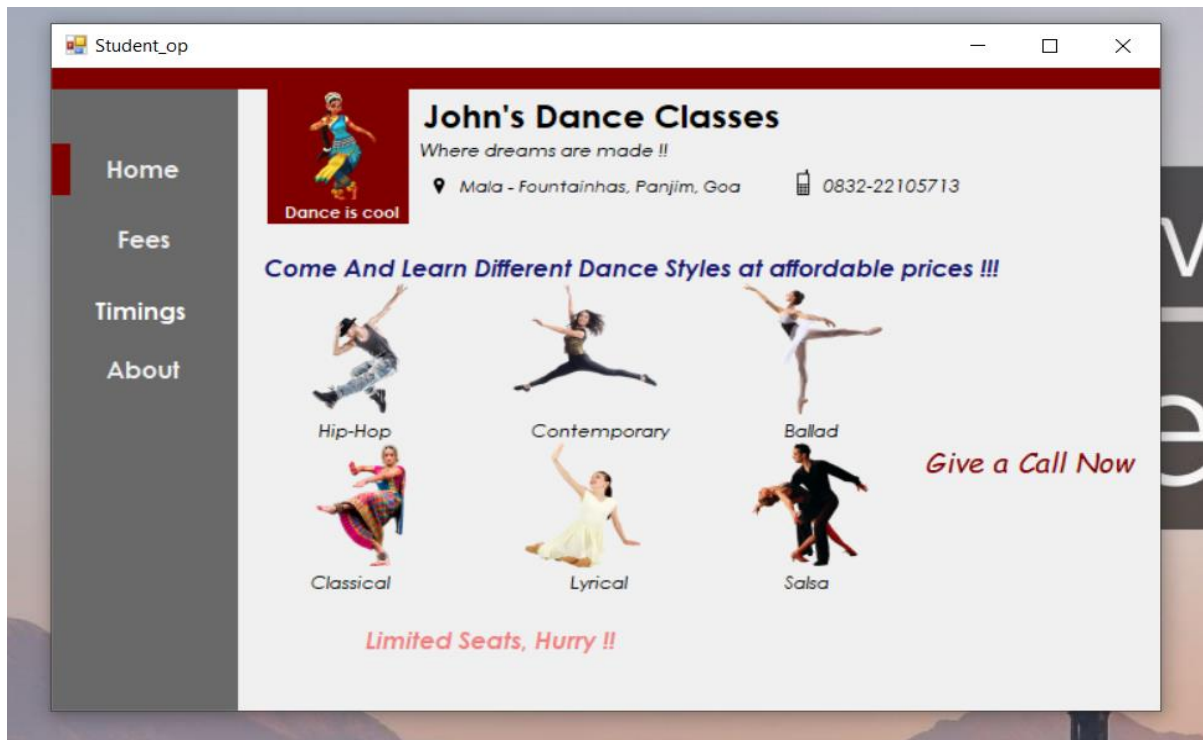
Same as about page in Head Instructor Features



C. Student

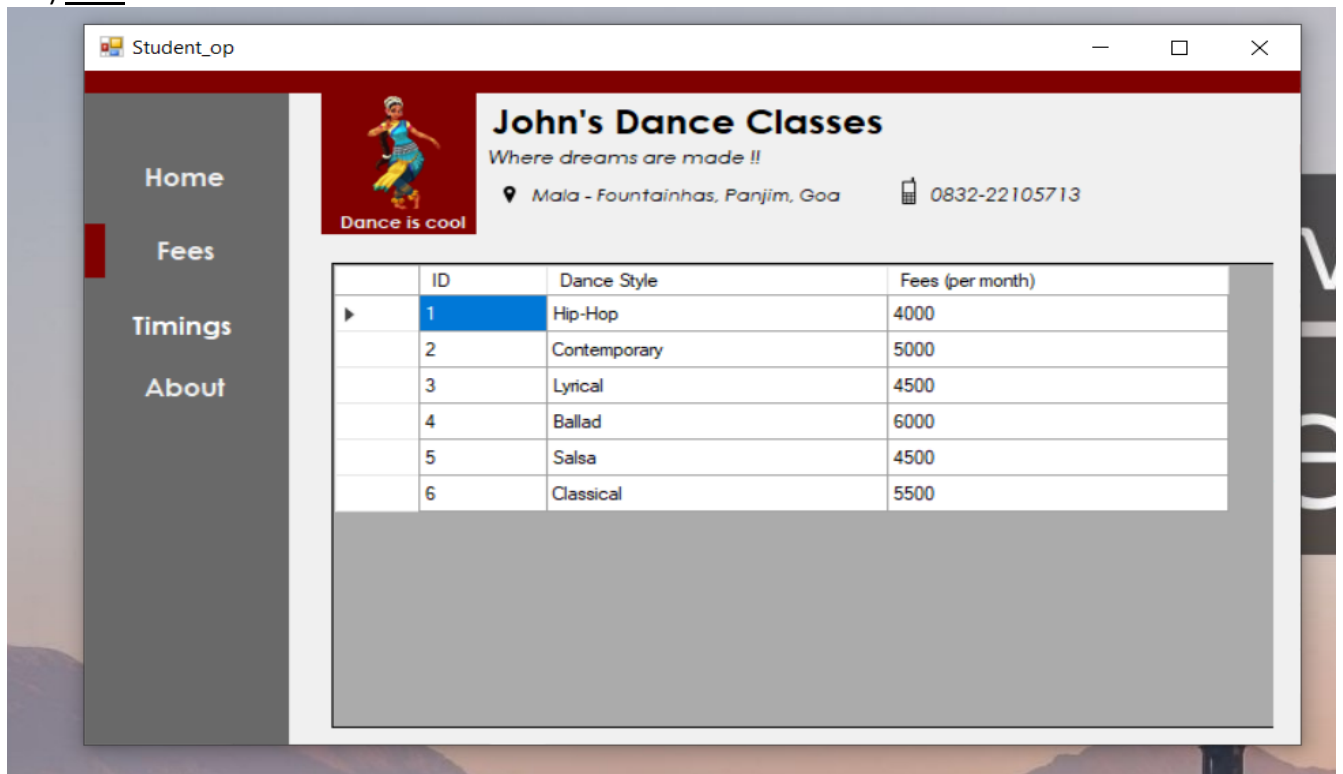
Students do not need login in this system

1.) Student_op (operations that can be performed by a student)

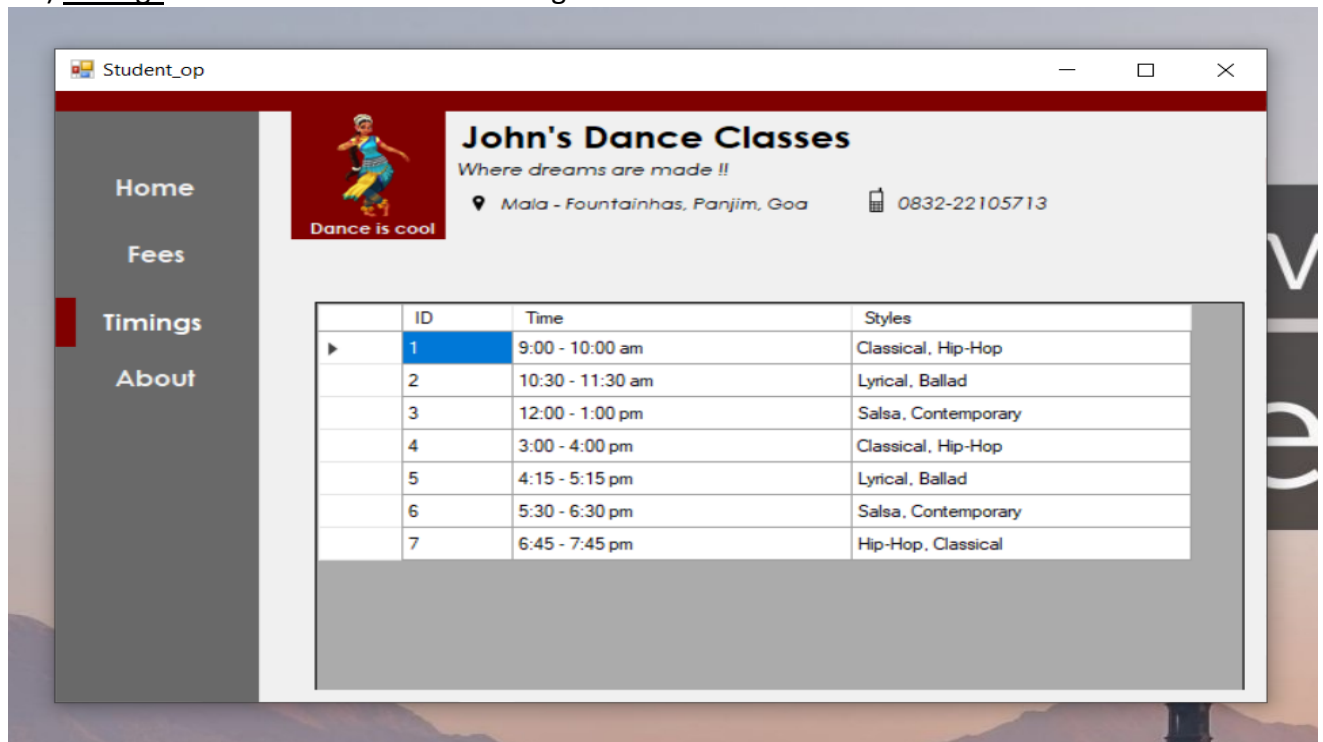


1a.) Home - Brochure for the dance class

1b.) Fees - Provides details about the fees for various dance classes.

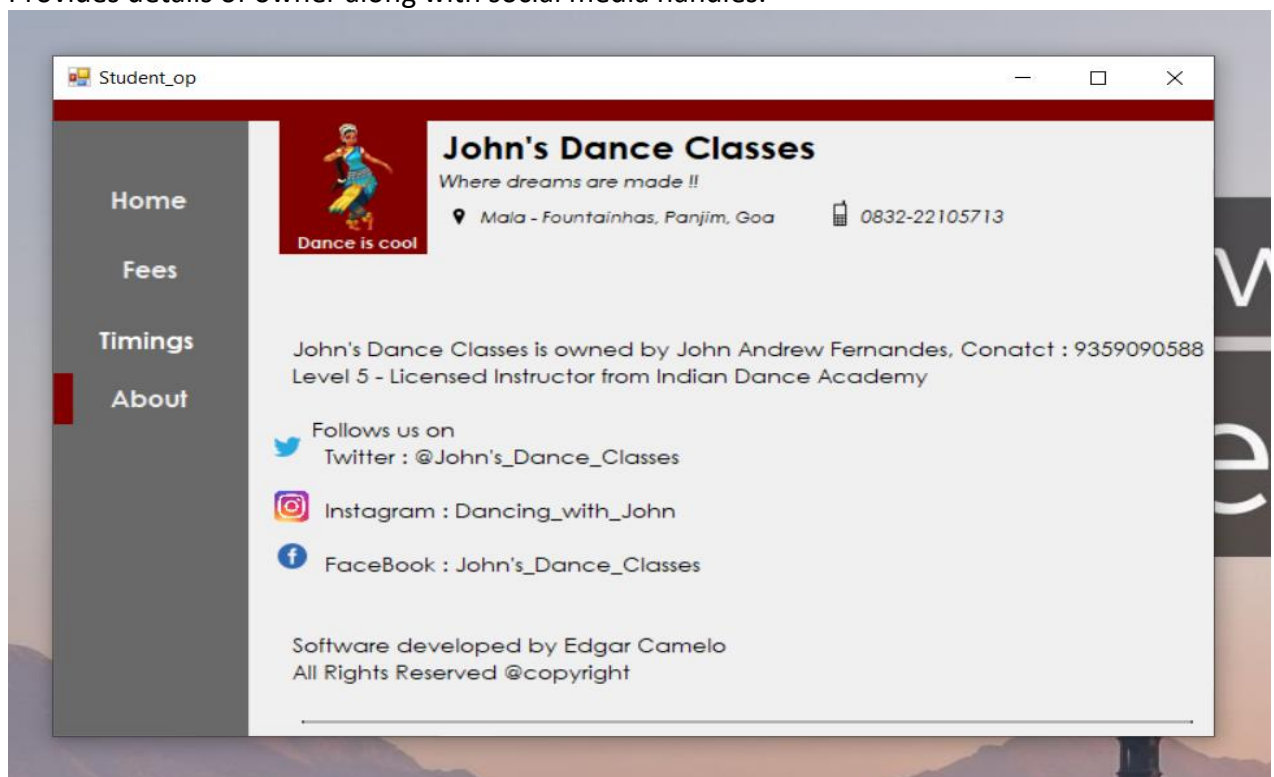


1c.) Timings - Provides details about timings for various dance classes to the student.



1d.) About

Provides details of owner along with social media handles.



Conclusion: The project report for dance class management system was successfully completed.