



# Final Project

**ESOFT METRO CAMPUS**

*Shaping Lives, Creating Futures.*



A horizontal bar at the bottom of the page, divided into a blue section on the left and a red section on the right.

Final Project – Assessment Sheet	
Programme	Assured Diploma in Information Technology
Assessor/Lecturer	
Unit	Final Project
Project Title	
Student's Name	
Student's Registration No	
Submission Date	
Marks Achieved (%)	
Assessor/Lecturer Feedback	

### **Important Points.**

- Carefully check the hand in date and the instructions given with the project. **Late submissions will not be accepted.**
- Ensure that sufficient time is spent to complete the assignment by the due date.
- Do not wait till the last minute to get feedback on the project. Such excuses will not be accepted for late submissions.
- You must be responsible for efficient management of your time.
- If you are unable to hand in your project on time and have valid reasons such as illness, you may apply (in writing) for an extension.
- Failure to achieve at least 40.00% marks will result in a Repeat grade.
- Non-submission of work without valid reasons will lead to an automatic Repeat. You will then be asked to complete an alternative project.
- If you use other people's work or ideas in your assignment, it must be properly referenced, using the HARVARD referencing system, in your text or any bibliography. Otherwise, you'll be found guilty of committing plagiarism.
- If you are caught plagiarising, your grade will be reduced to a Repeat or at worst, you could be excluded from the course.

## **Project Guidelines**

- You need to **create a software** solution for Skills International School using **visual studio** as your final project.
- Use **C# Programming language** for your project
- Follow the structure given in this document. Design given forms and apply value additions for it according to your requirement.
- Software **should** contain **minimum two forms**. Additional forms and features will get additional marks. (Login form and one Registration form is compulsory)
- Please follow the given instructions before you start the project.

## **Instructions**

- Design the software system according to the given instructions.
- Use appropriate fonts, colors, and images for Frontend (GUI design) of your software.
- Proposed Software system **must have a database and properly connected** to the system. (Database should be designed using SQL Server Management Studio)
- Database must contain minimum **one Table** (Table column structure provided in Figure X).
- **Test the software** and submit the project on or before the given deadline.
- Create a **Microsoft Word Document** including all the screenshots of forms in your system and code snippets of each form.
- The entire project brief (These nine pages) should be attached as the first section of your project documentation.

## **Word Processing Rules**

- The font size should be 12 point and should be in the style of Time New Roman.
- Set line spacing to 1.15. Justify all paragraphs.
- Ensure that all headings are consistent in terms of size and font style.
- Use the spell check and grammar check function of the word processing application to review the use of language on your assignment.

## **Proposed Project**

- Above form consist of;
  - One Picture Box
  - One Group Box
  - Three Labels
    - Skills International
    - Username
    - Password
  - Two Text Boxes
    - Username
    - Password
  - Three Buttons
    - Clear
    - Login
    - Exit

Design the above form using these tools and change respective properties using suitable values.



- Above form consist of;
  - Four Group Boxes
    - Student Registration
    - Basic Details
    - Contact Details
    - Parent Details
  - Thirteen Labels
    - Skills International
    - Reg No
    - First Name
    - Last Name
    - Date of Birth
    - Gender
    - Address
    - Email
    - Mobile Phone
    - Home Phone
    - Parent Name
    - NIC
    - Contact No
  - Nine Text Boxes
    - First Name
    - Last Name
    - Address (Multiline)
    - Email
    - Mobile Phone
    - Home Phone
    - Parent Name
    - NIC
    - Contact No
  - Four Buttons
    - Register
    - Update
    - Clear
    - Delete
  - Two LinkLabels
    - Logout
    - Exit
  - Two Radio Buttons
    - Male
    - Female
  - One DateTimePicker
    - Date of Birth
  - One ComboBox
    - Reg No

Design the above form using these tools and change respective properties using suitable values.

## Project Instructions


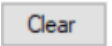

### Designing

- Design the project using Microsoft Visual Studio. **Designing above two forms is a must**, you can add more forms based on your imagination and those will be considered when marking.
- **Change the properties** of each object with suitable values.

### Functional Operations

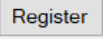
- When user runs the project, Login form needs to be appeared.

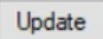
### Form I – Login Form (Figure I)

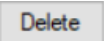
- There is **one user** in the system. User name is “**Admin**” & Password is “**Skills@123**”. When user clicks  Login ( ) button after applying “Admin” as the username and “Skills@123” as the Password, the system needs to **hide the login form** and **open the second form** which is Registration form (Figure II). If the login credentials are wrong (Either Username, either Password or both), system needs to generate an error message (Figure III).
- You can **increase number of users** for the system. If so, there needs to be a table in the database to track those usernames and passwords as shown in figure IX.
- When user clicks on Clear (  ) button, texts in both username textbox and password textbox needs to be cleared and the username textbox needs to be **focused**.
- When you click on the Exit Button (  ) it needs to appear the following message box.

- If you click on Yes button, the entire system needs to be closed and if you click on No, the system stays without a change, but the dialogue box needs to be closed.

### Form II – Registration Form (Figure II)

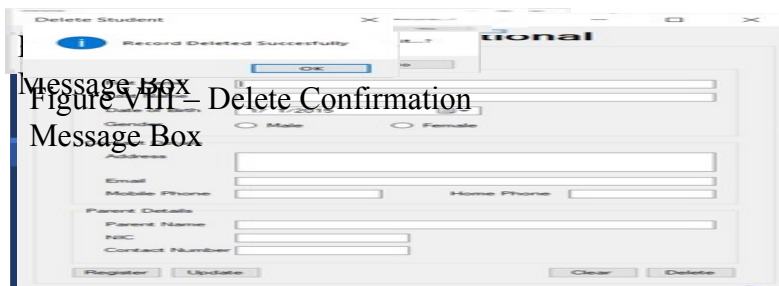
- The Form II (Figure II) is designated form for Student Registrations.
- Create the Database using Microsoft SQL Server Management Studio. Name the database as **Student**.
- Create the **Registration Table**.
- Connect the created Student Database with your C# project.
- In student Registration form, a registration can be done by clicking on Register Button (  ). Once the user clicks on **Register Button** after providing all the details in related fields in the registration form, the details need to be added in the “**Registration**” Table (Figure X) of “**Student**” Database and needs to appear following message box as well.

- Give the facility to the user to update records using **Update Button** (  ).
- Once the update executed, show the following message box.

- Give the facility for the user to Delete a selected record from the Database Table using the **Delete Button** (  ). Before Execution of Delete function, need to get users confirmation to delete. For that, use following message box or similar one.



- Once the user clicks on Yes from the appearing message box, the details needs to be deleted from the system database based on the Registration Number of the record. After the execution of the Delete, following message box needs to be appeared.



- When the user clicks on the **Reg No dropdown list** ( Reg No ▼ ), the user can see the registration numbers (Previously registered) appearing in the drop down list. When the user selects a registration number, it needs to work as a **Search** function when user changes the text of this and need to fill all other fields in the form by focusing the Reg No from the Database Table.
- When you click on the Exit Link Label Exit ) it needs to appear the Exit message box (Figure IV).
- When user clicks on Logout Link Label ( Logout ), it needs to logout from the system, disappear the Registration form and appear the login form (Figure I).

## Database Information

Set Database name as “**Student**” and Registration Table (Figure X) needs to be there inside. When designing the **Registration** Table in the Database, apply **regNo** column as the **primary key** for the table.

	username	password
pk	NULL	NULL

Figure IX – Database Table - **Logins**

	regNo	firstName	lastName	dateOfBirth	gender	address	email	mobilePho...	homePhone	parentName	nic	contactNo
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Figure X – Database Table - **Registration**

## Table Structure

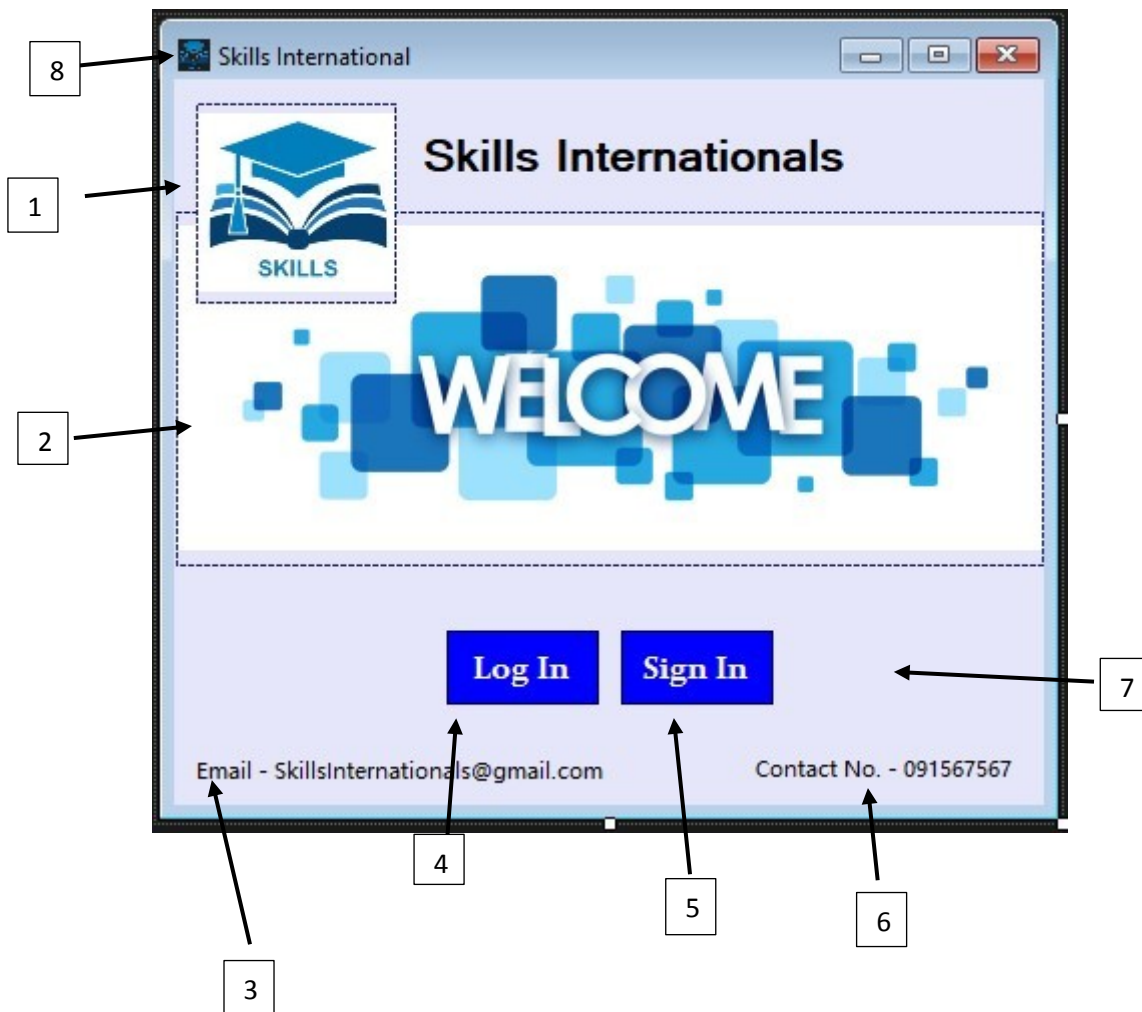
Use the following table to identify data types for each column when you create the “**Registration**” table.

Field Name	Datatype
regNo	Integer
firstName	varchar(50)
lastName	varchar(50)
dateOfBirth	dateTime
gender	varchar(50)
address	varchar(50)
email	varchar(50)
mobilePhone	Integer
homePhone	Integer
parentName	varchar(50)
nic	varchar(50)
contactNo	Integer

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11. Profile .....	82
12. Teachers .....	86
13. Subjects .....	90
14. Progress .....	93

## 1)Welcome Form



Component	Name	Text	Other
1	picLogo		Size Mode = Zoom
2	Picturebox1		Size Mode = Zoom
3	lblEmail	SkillsInternationals@gmail.com	
4	btnLogin	Log In	B.C=Blue, Flatsize = popup
5	btnSignin	Sign In	B.C=Blue, Flatsize = popup
6	lblContactNo	Contact No. - 091567567	
7	frmWelcome	Skills Internationals	Icon,B.C.=Lavender
8	icon		



```

1  using System;
2  using System.Collections.Generic;
3  using System.ComponentModel;
4  using System.Data;
5  using System.Drawing;
6  using System.Linq;
7  using System.Text;
8  using System.Threading.Tasks;
9  using System.Windows.Forms;

10
11 namespace School_registration_system
12 {
13     8 references
14     public partial class frmWelcome : Form
15     {
16         3 references
17         public frmWelcome()
18         {
19             InitializeComponent();
20
21         1 reference
22         private void frmWelcome_Load(object sender, EventArgs e)
23         {
24
25         1 reference
26         private void btnLogIn_Click(object sender, EventArgs e)
27         {
28             frmLogIn login = new frmLogIn();
29             login.Show();
30             this.Hide();
31         }
32     }
33 }

```

User can access to sign in form or log in form

## 2). LogIn Form

The screenshot shows a web browser window titled "LogIn". The main heading is "Skills International" with a logo below it. The login form contains fields for "UserName" and "Password", a "Show Password" checkbox, and buttons for "Forgot Password", "Clear", "Login", "Exit", and "Back".

Component	Name	Text	Other
1	LogIn		
2	Skills International		
3	Skills International		
4	UserName		
5	Password		
6	Forgot Password		
7	Clear		
8	Clear		
9	Back		
10	Login		
11	Show Password		
12	Show Password		
13	UserName		
14	Skills International		

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1	frmLogIn	LogIn	Icon,B.C.=Lavender
2	picLogo		Size mode = Zoom
3	grpLogin	Login	
4	lblUserName	User Name	
5	lblPassword	Password	
6	btnExit	Exit	B.C.=Red,FlatStyle=Popup
7	btnForgotPassword	Forgot Password	B.C.=MistyRose,FlatStyle=Popup
8	btnClear	Clear	B.C.=LightSkyBlue,FlatStyle=Popup
9	btnBack	Back	B.C.=Black,FlatStyle=Popup
10	btnLogin	LogIn	B.C.= Blue,FlatStyle=Popup
11	chbShowPassword	Show Password	
12	txtUserName		
13	txtPassword		Passwordchar = *
14	lblSchoolName	Skills Internationals	



```

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 School_registration_system
{
    public partial class frmLogIn : Form
    {
        public frmLogIn()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
        SqlDataAdapter SqlDa = new SqlDataAdapter();
        private void txtPassword_TextChanged(object sender, EventArgs e)
        {
        }

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

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

        private void btnClear_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to Clear?",
"Clear?", MessageBoxButtons.YesNo, MessageBoxIcon.Warning);

            if (res_exit == DialogResult.Yes)
            {
                txtUserName.Clear();
                txtPassword.Clear();
            }
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to
Exit?", "Exit?", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_exit == DialogResult.Yes)
            {
                this.Dispose();
            }
        }
    }
}

```

```

private void btnBack_Click(object sender, EventArgs e)
{
    frmWelcome wel = new frmWelcome();
    wel.Show();
    this.Hide();
}

private void btnLogin_Click(object sender, EventArgs e)
{
    string email = txtUserName.Text;
    string password = txtPassword.Text;
    bool CheckTextBoxEmpty = false;

    if (String.IsNullOrEmpty(txtUserName.Text))
    {
        CheckTextBoxEmpty = true;
    }
    if (String.IsNullOrEmpty(txtPassword.Text))
    {
        CheckTextBoxEmpty = true;
    }

    if (CheckTextBoxEmpty)
    {
        MessageBox.Show("Every Field required!", "Error", MessageBoxButtons.OK,
        MessageBoxIcon.Error);
    }
    if (email == "Admin@123" && password == "1234")
    {
        MessageBox.Show("Login Success! :", "Logged
in", MessageBoxButtons.OK, MessageBoxIcon.Asterisk);
        frmHome_Admin frmHome_Admin = new frmHome_Admin();
        frmHome_Admin.Show();
        this.Hide();
    }
    else
    {
        if (email == "Rashmika@123" && password == "Rashmika")
        {
            MessageBox.Show("Login Success! :", "Logged in", MessageBoxButtons.OK,
            MessageBoxIcon.Asterisk);
            frmHomeStudent frmHomeStudent = new frmHomeStudent();
            frmHomeStudent.Show();
            this.Hide();
        }
    }

    try
    {
        con.Open();
        string selque = "SELECT * FROM Login WHERE (username = @username) and
(password = @password) ";
        SqlCommand cmd = new SqlCommand(selque, con);
        cmd.Parameters.AddWithValue("@username", txtUserName.Text);
        cmd.Parameters.AddWithValue("@password", txtPassword.Text);
        SqlDataReader rdr = cmd.ExecuteReader();
        int count = 0;
        while (rdr.Read())
        {
            count++;
        }
        con.Close();
    }
}

```

```

        if (count == 1)
        {
            MessageBox.Show("Login Success! :)", "Logged in", MessageBoxButtons.OK,
MessageBoxIcon.Asterisk);
            frmHomeStudent frmHomeStudent = new frmHomeStudent();
            frmHomeStudent.Show();
            this.Hide();
        }
        else
        {
            MessageBox.Show("Login Failed! :", "Log in Failed",
MessageBoxButtons.OK, MessageBoxIcon.Error);
        }
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

}

private void groupBox1_Enter(object sender, EventArgs e)
{
}

private void chbShowPassword_CheckedChanged(object sender, EventArgs e)
{
    if (chbShowPassword.Checked)
    {
        txtPassword.PasswordChar = '\0';
    }
    else
    {
        txtPassword.PasswordChar = '*';
    }
}

private void btnForgotPassword_Click(object sender, EventArgs e)
{
    frmForgot_Password fb = new frmForgot_Password();
    fb.Show();
    this.Hide();
}
}
}

```

LogIn

# Skills International



**Login**

UserName

Password

☐ Show Password

[Forgot Password](#) [Clear](#) [Login](#)

[Exit](#) [Back](#)

LogIn

# Skills International



**Login**

UserName

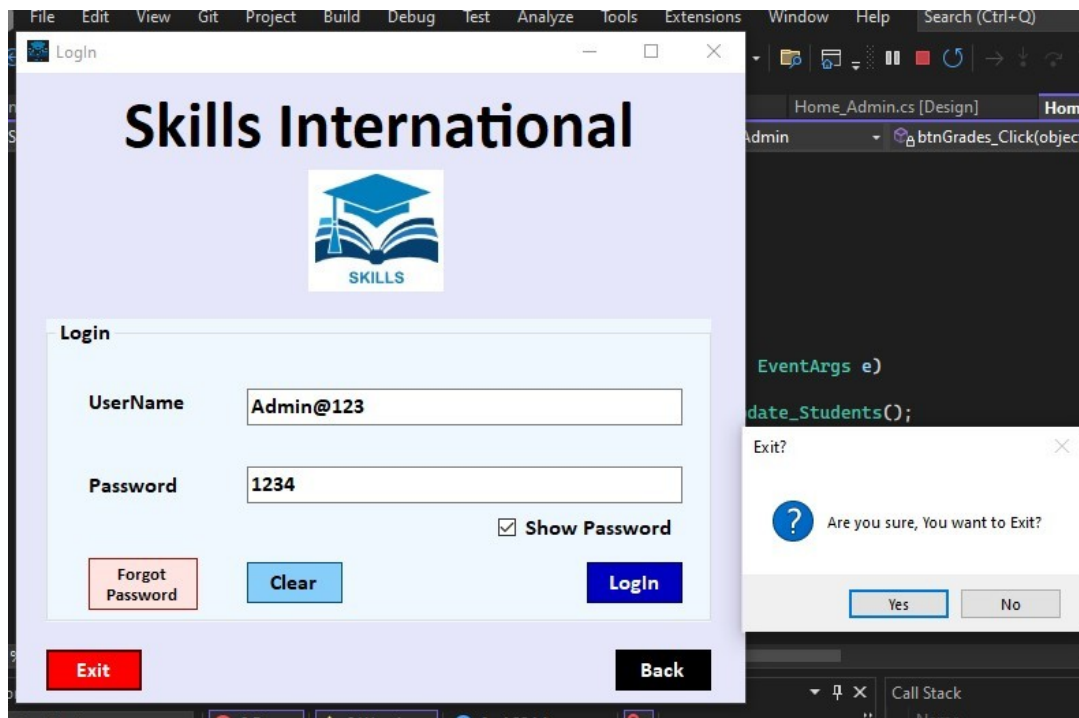
Password

☒ Show Password

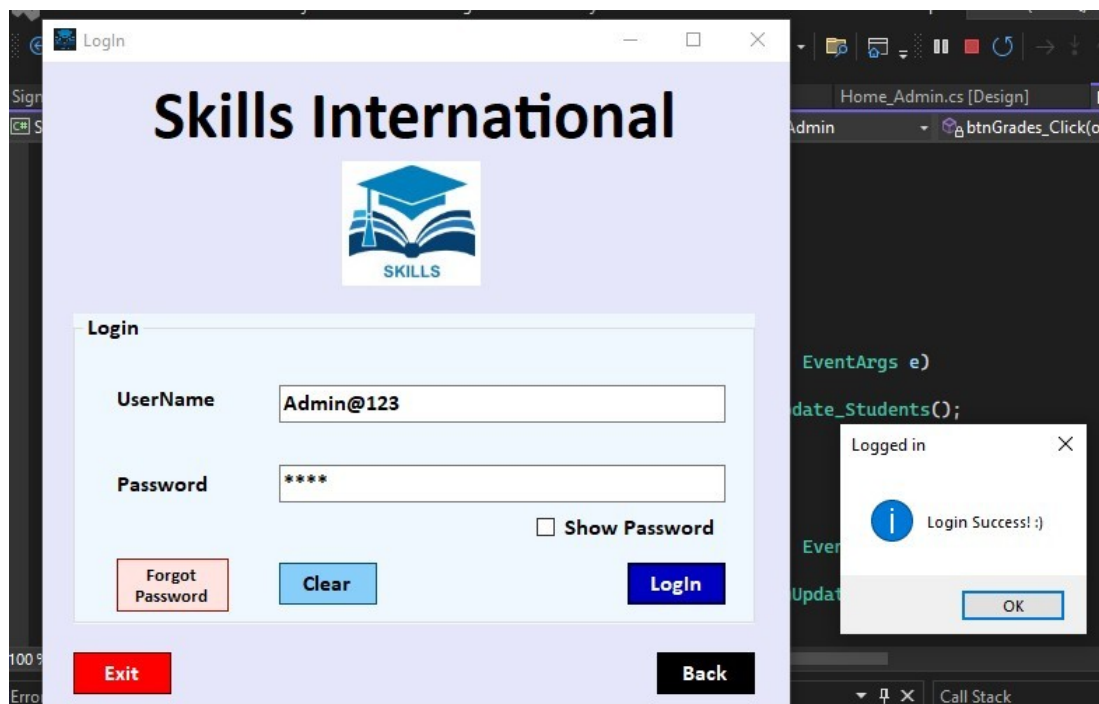
[Forgot Password](#) [Clear](#) [Login](#)

[Exit](#) [Back](#)

Checked show password



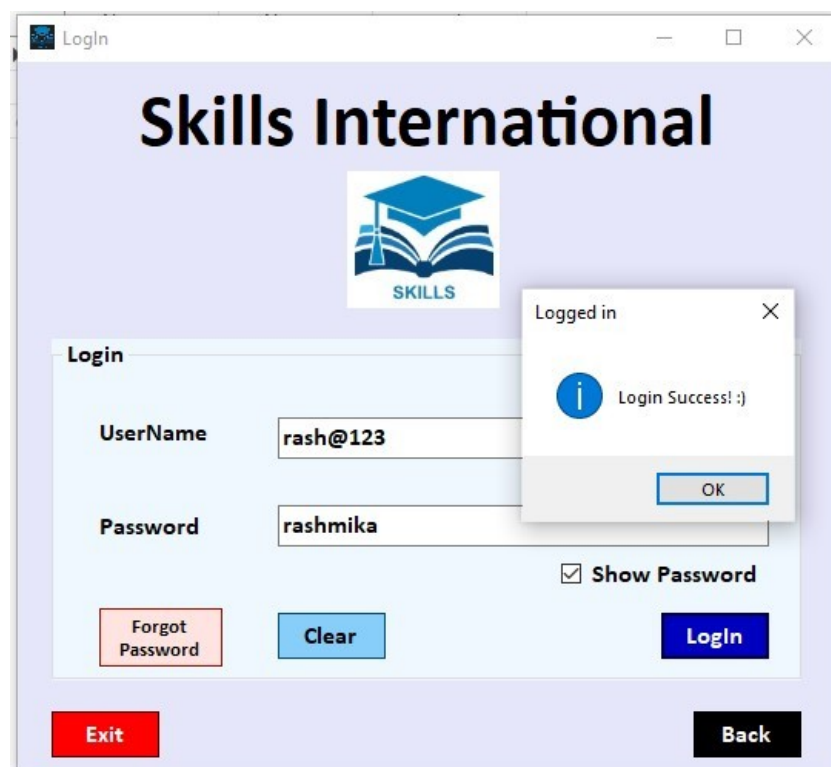
Exit Button

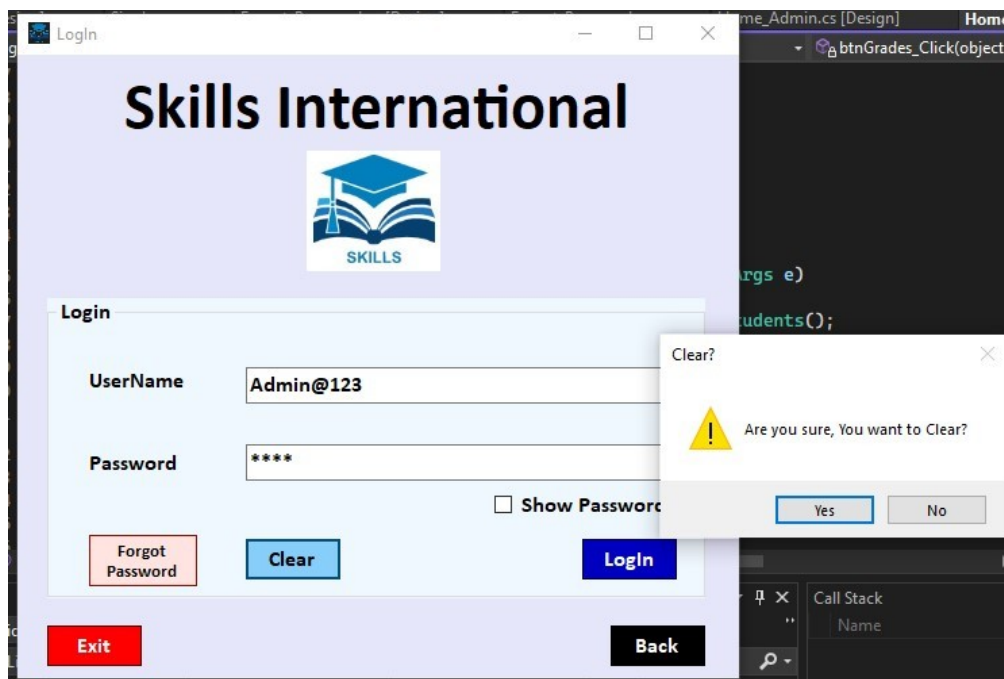


Logging in as a admin

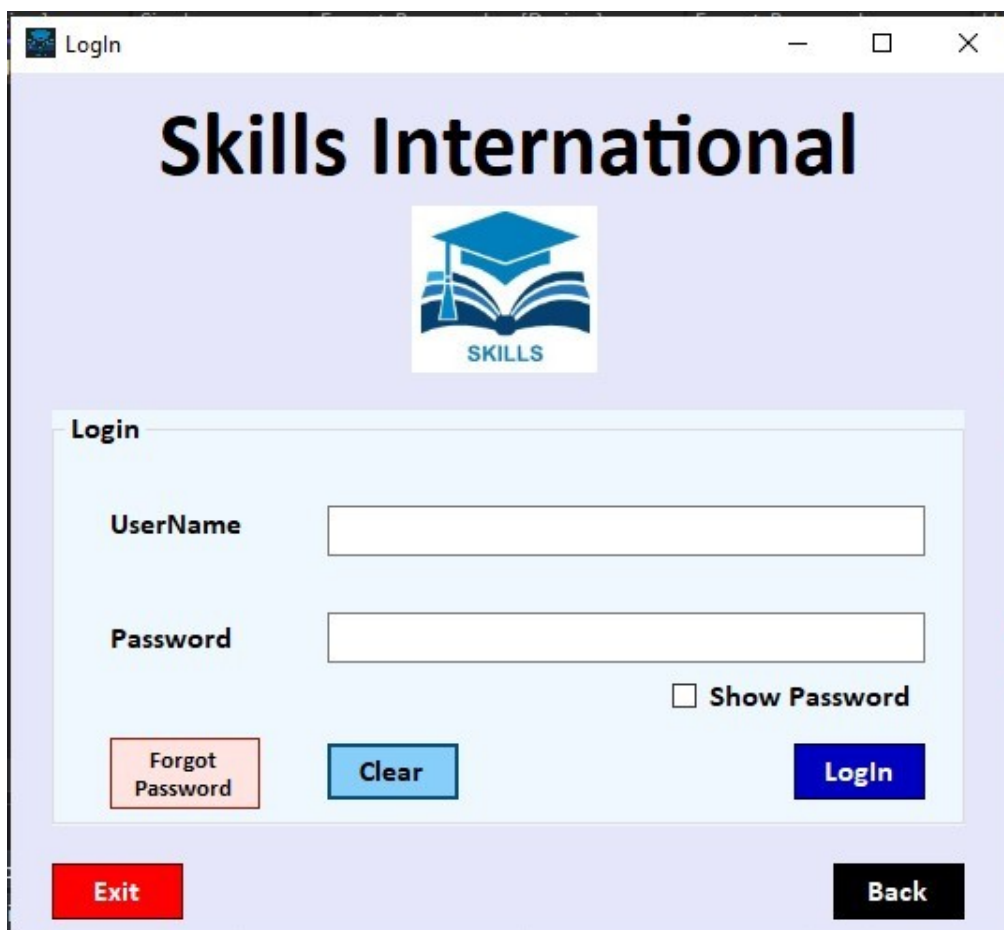


Logging as a student





Clear Button



The screenshot displays the Skills International login application. The main window, titled 'Login', features the Skills International logo and a login form with fields for 'UserName' (containing 'admin@123') and 'Password' (masked with '\*\*\*\*'). It includes a 'Show Password' checkbox, 'Forgot Password', 'Clear', and 'Login' buttons, as well as 'Exit' and 'Back' buttons at the bottom. An error dialog box titled 'Log in Failed' with a red 'X' icon and the message 'Login Failed! :( ' is shown over the login form. In the background, a Visual Studio IDE window shows a C# file named 'Grades.cs' with a snippet of code: `(\" + regno + \",\" + subName`.

Below the application window, the 'DESKTOP-8AKQICV\\...udent - dbo.Login' table structure is shown in SQL Server Enterprise Designer. The table has the following columns:

Column Name	Data Type	Allow Nulls
regNo	int	<input type="checkbox"/>
userName	varchar(50)	<input type="checkbox"/>
password	varchar(50)	<input type="checkbox"/>
		<input type="checkbox"/>

The 'Column Properties' window for the 'regNo' column is also visible, showing the following details:

Property	Value
(Name)	regNo
Allow Nulls	No
Data Type	int
Default Value or Binding	

#### DATABASE LOGIN TABLE

Students can access their home page after login and operators(Admin) have specific username and password

Admin username = Admin@123



Admin Password = 1234

Somehow you don't remember your password and you can click Forgot Password button and set a new password for your user name.

### 3).SignIn Form

The diagram illustrates the 'SignIn' form interface for Skills International. The form is contained within a window titled 'SignIn'. The main heading is 'Skills International' with a logo featuring a graduation cap and an open book. The form includes two input fields: 'UserName' and 'Password'. A 'Show Password' checkbox is located next to the 'Password' field. Below the input fields are three buttons: 'Clear', 'SignIn', and 'Exit'. A 'Back' button is located at the bottom right. Numbered arrows (1-13) point to specific elements: 1 points to the window title bar, 2 to the main background, 3 to the logo, 4 to the 'SignIn' section header, 5 to the 'UserName' label, 6 to the 'Password' label, 7 to the 'Exit' button, 8 to the 'Clear' button, 9 to the 'Back' button, 10 to the 'SignIn' button, 11 to the 'Show Password' checkbox, 12 to the 'Password' input field, and 13 to the 'UserName' input field.

Component	Name	Text	Other
1	frmSignIn	Signin	Icon,B.C=Lavender
2	lblSchoolName	Skills Internationals	
3	picLogo		Size mode = Zoom
4	grpLogin	Login	
5	lblUserName	User Name	
6	lblPassword	Password	
7	btnExit	Exit	B.C.=Red,FlatStyle=Popup
8	btnClear	Clear	B.C.=LightSkyBlue, FlatStyle=Popup
9	btnBack	Back	B.C.=Black,FlatStyle=Popup
10	btnSignIn	Signin	B.C.= Blue,FlatStyle=Popup
11	chbShowPassword	Show Password	
12	txtUserName		
13	txtPassword		Passwordchar = *

```

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 School_registration_system
{
    public partial class frmSignIn : Form
    {
        public frmSignIn()
        {
            InitializeComponent();
        }
    }
}

```

```

    }

    SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
    SqlDataAdapter SqlDa = new SqlDataAdapter();
    private void btnClear_Click(object sender, EventArgs e)
    {
        DialogResult res_exit = MessageBox.Show("Are you sure, You want to Clear?",
"Clear?", MessageBoxButtons.YesNo, MessageBoxIcon.Warning);

        if (res_exit == DialogResult.Yes)
        {
            txtUserName.Clear();
            txtPassword.Clear();
        }
    }

    private void btnExit_Click(object sender, EventArgs e)
    {
        DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
MessageBoxButtons.YesNo, MessageBoxIcon.Question);

        if (res_exit == DialogResult.Yes)
        {
            this.Dispose();
        }
    }

    private void btnBack_Click(object sender, EventArgs e)
    {
        frmWelcome frmWelcome = new frmWelcome();
        frmWelcome.Show();
        this.Hide();
    }

    private void chbShowPassword_CheckedChanged(object sender, EventArgs e)
    {
        if (chbShowPassword.Checked)
        {
            txtPassword.PasswordChar = '\0';
        }
        else
        {
            txtPassword.PasswordChar = '*';
        }
    }

    private void btnSignIn_Click(object sender, EventArgs e)
    {
        bool CheckTextBoxEmpty = false;

        if (String.IsNullOrEmpty(txtPassword.Text))
        {
            CheckTextBoxEmpty = true;
        }
        if (String.IsNullOrEmpty(txtUserName.Text))
        {
            CheckTextBoxEmpty=true;
        }
        if(CheckTextBoxEmpty)
        {

```

```

        MessageBox.Show("Every Field required!", "Error", MessageBoxButtons.OK,
        MessageBoxIcon.Error);
    }
    try
    {
        string user_name = txtUserName.Text;
        string password = txtPassword.Text;
        con.Open();
        string selque = "INSERT INTO Login VALUES" +
        "(" + user_name + "," + password + ")";
        SqlCommand cmd = new SqlCommand(selque, con);

        int n = cmd.ExecuteNonQuery();
        con.Close();
        Console.WriteLine(n);
        if (n == 1)
        {
            MessageBox.Show("Successfully Signed in", "Sign in", MessageBoxButtons.OK,
            MessageBoxIcon.Information);
            txtUserName.Clear();
            txtPassword.Clear();
            frmHomeStudent frmHomeStudent = new frmHomeStudent();
            frmHomeStudent.Show();
            this.Hide();
        }
        else
        {
            MessageBox.Show("Failed :", "Error", MessageBoxButtons.OK,
            MessageBoxIcon.Error);
        }
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

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

```

>	Full-text Specification	No
	Has Non-SQL Server Subscriber	No
▼	Identity Specification	Yes
	(Is Identity)	Yes
	Identity Increment	1
	Identity Seed	1

	reqNo	userName	password
▶	1	kamal@gmail.c...	kamal
	2	rash@123	rashmika
*	NULL	NULL	NULL

## 4). Forgot Password

The screenshot shows a Windows-style application window titled "Forgot Password" with a lavender background. At the top center is the "Skills International" logo, which includes a blue graduation cap and the word "SKILLS". Below the logo is a white rectangular panel titled "Forgot Password" containing the form fields. The form has three text input fields labeled "UserName", "New Password", and "Confirm Password". To the right of the "New Password" and "Confirm Password" fields are checkboxes labeled "Show Password". At the bottom of the white panel are two buttons: a blue "Clear" button and a dark blue "SignIn" button. Below the white panel, on the lavender background, are three buttons: a red "Exit" button on the left, a blue "Clear" button in the center, and a black "Back" button on the right. Numbered callouts (1-16) point to various elements: 1 points to the window title bar, 2 to the Skills International logo, 3 to the "Forgot Password" panel title, 4 to the "UserName" label, 5 to the "New Password" label, 6 to the "Confirm Password" label, 7 to the "Exit" button, 8 to the "Clear" button, 9 to the "Back" button, 10 to the "SignIn" button, 11 to the "Show Password" checkbox for the Confirm Password field, 12 to the "Confirm Password" input field, 13 to the "Show Password" checkbox for the New Password field, 14 to the "New Password" input field, 15 to the "UserName" input field, and 16 to the "Skills International" text.

Component s	Name	Text	other
1	frmForgotPassword	Forgot Password	Icon,B.C.=Lavender
2	picLogo		sizeMode= zoom
3	grpForgotPassword	Forgot Password	
4	lblUserName	User Name	
5	lblNewPassword	New Password	
6	lblConfirmPassword	Confirm Password	
7	btnExit	Exit	B.C.=Red,Flatstyle=popup

8	btnClear	Clear	B.C.=LightSkyBlue,Flatstyle=popup
9	btnBack	Back	B.C.=Black,Flatstyle=popup
10	btnSignin	Signin	B.C.=Blue,Flatstyle=popup
11	chbShowPassword	Show Password	
12	txtConfirmPassword		Passwordchar =*
13	chbShowPassword2	Show Password	
14	txtNewPassword		Passwordchar = *
15	txtUserName	User Name	
16	lblSchoolName	Skills Internationals	

```

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 School_registration_system
{
    public partial class frmForgot_Password : Form
    {
        public frmForgot_Password()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
        SqlDataAdapter SqlDa = new SqlDataAdapter();
        private void lblPassword_Click(object sender, EventArgs e)
        {
        }

        private void chbShowPassword_CheckedChanged(object sender, EventArgs e)
        {
            if (chbShowPassword.Checked)
            {
                txtPassword.PasswordChar = '\0';
            }
            else
            {
                txtPassword.PasswordChar = '*';
            }
        }

        private void chbShowPassword2_CheckedChanged(object sender, EventArgs e)
        {
            if (chbShowPassword2.Checked)
            {
                txtConfirmPassword.PasswordChar = '\0';
            }
            else

```

```

        {
            txtConfirmPassword.PasswordChar = '*';
        }
    }

    private void lblScoolName_Click(object sender, EventArgs e)
    {

    }

    private void btnBack_Click(object sender, EventArgs e)
    {
        frmLogIn frmLogIn = new frmLogIn();
        frmLogIn.Show();
        this.Hide();
    }

    private void btnSignIn_Click(object sender, EventArgs e)
    {
        if(txtPassword.Text == txtConfirmPassword.Text)
        {
            string editdat = "UPDATE Login SET password= '" + txtPassword.Text + "'";
            con.Open();
            SqlCommand cmd = new SqlCommand(editdat, con);
            cmd.ExecuteNonQuery();
            con.Close();
            MessageBox.Show("Password change  
Successful", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information);
            txtUserName.Clear();
            txtPassword.Clear();
            txtConfirmPassword.Clear();
        }
    }
}

```



DESKTOP-8AKQICV\...udent - dbo.Login X DESKTOP-8AKQICV\...udent - dbo.Login

Column Name	Data Type	Allow Nulls
regNo	int	<input type="checkbox"/>
userName	varchar(50)	<input type="checkbox"/>
password	varchar(50)	<input type="checkbox"/>
		<input type="checkbox"/>

Column Properties

(General)

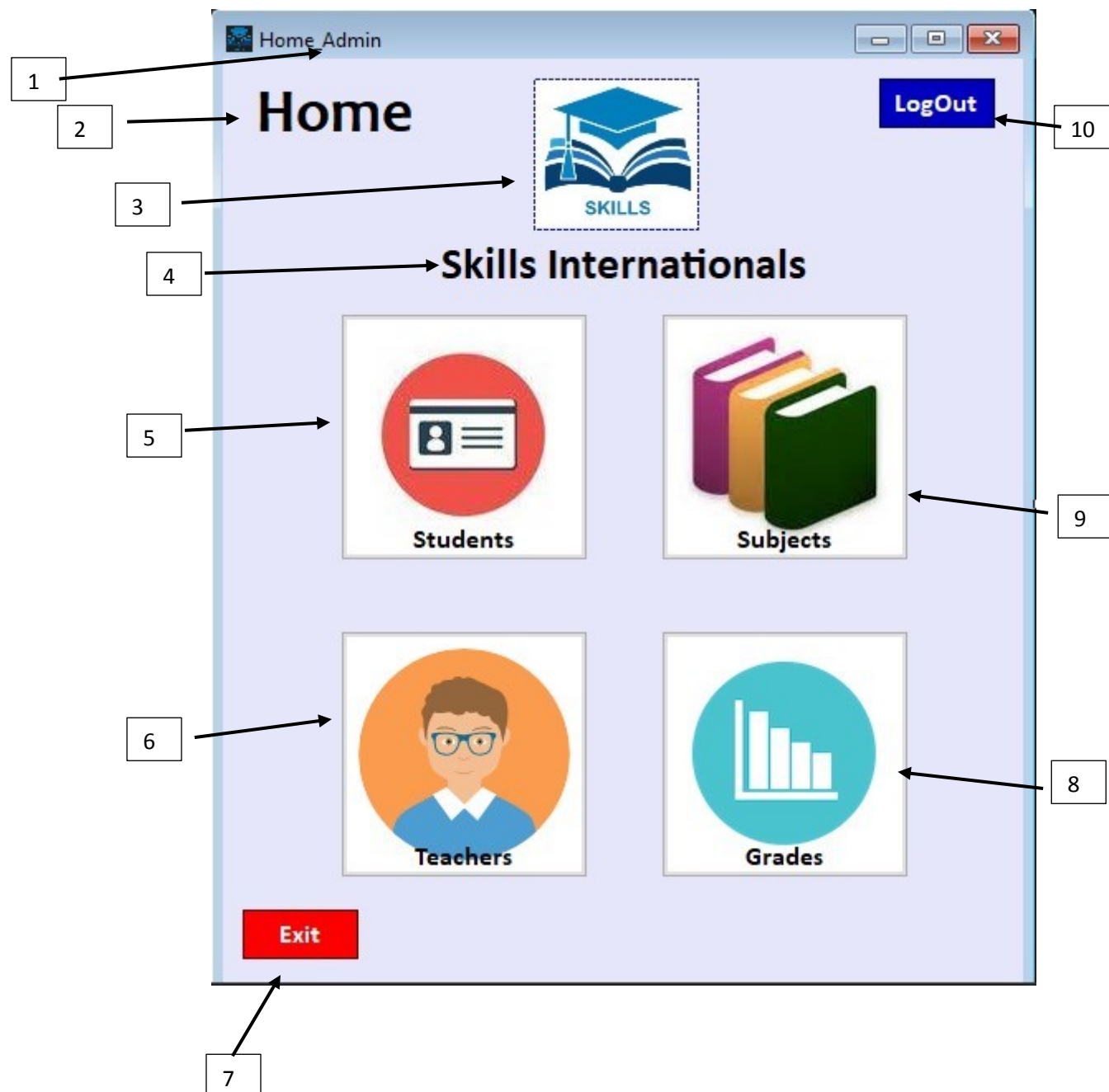
(Name)	regNo
Allow Nulls	No
Data Type	int
Default Value or Binding	

Table Designer

Full-text Specification	No
Has Non-SQL Server Subscriber	No
Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1

User can change the password if it need to be changed.

## 5). Admin Home



Components	Name	Text	Other
1	frmHome_Admin	Home_Admin	Icon,B.C.=Lavender
2	lblHome	Home	Size 28 ,Bold
3	picLogo		Size mode=Zoom
4	lblSchoolName	Skills International	Size 20,Bold
5	btnUpdateStudents	Students	Size 150,150
6	btnUpdateTeachers	Teachers	Size 150,150
7	btnExit	Exit	B.C.=Red,FlatStyle=popup
8	btnGrades	Grades	Size 150,150
9	btnUpdateSubjects	Subjects	Size 150,150
10	btnLogOut	Logout	B.C.=Blue,FlatStyle=popup

```

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 School_registration_system
{
    public partial class frmHome_Admin : Form
    {
        public frmHome_Admin()
        {
            InitializeComponent();
        }

        private void btnUpdateTeachers_Click(object sender, EventArgs e)
        {
            frmUpdate_Teachers frmUpdate_Teachers = new frmUpdate_Teachers();
            frmUpdate_Teachers.Show();
            this.Close();
        }

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

        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
            MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_exit == DialogResult.Yes)
            {
                this.Dispose();
            }
        }

        private void btnLogOut_Click(object sender, EventArgs e)
        {

```

```
        DialogResult res_logout = MessageBox.Show("Are you sure, You want to Logout?",  
"Logging Out?", MessageBoxButtons.YesNo, MessageBoxIcon.Question);  
  
        if (res_logout == DialogResult.Yes)  
        {  
            frmLogIn frmLogIn = new frmLogIn();  
            frmLogIn.Show();  
            this.Hide();  
        }  
  
    }  
  
    private void btnUpdateStudents_Click(object sender, EventArgs e)  
    {  
        frmUpdate_Students frmUpdate_Students = new frmUpdate_Students();  
        frmUpdate_Students.Show();  
        this.Hide();  
    }  
  
    private void btnUpdateSubjects_Click(object sender, EventArgs e)  
    {  
        frmUpdate_Subjects frmUpdate_Subjects = new frmUpdate_Subjects();  
        frmUpdate_Subjects.Show();  
        this.Hide();  
    }  
  
    private void btnGrades_Click(object sender, EventArgs e)  
    {  
        frmGrades grades = new frmGrades();  
        grades.Show();  
        this.Hide();  
    }  
}
```

## 6). Update Students

38

1: Students icon  
2: Skills Internationals logo  
3: Student Registration  
4: RegNo.  
5: Basic Details  
6: First Name  
7: Last Name  
8: Date of Birth  
9: Gender  
10: Contact Details  
11: Address  
12: Email  
13: Mobile No.  
14: Parent Details  
15: Parent Name  
16: NIC  
17: Contact No.  
18: Clear button  
19: Delete button  
20: Update button  
21: Register button  
22: Home No.  
23: Parent Name field  
24: NIC field  
25: Contact No. field  
26: Home No. field  
27: Email field  
28: Address field  
29: Gender field  
30: Date of Birth field  
31: Search button  
32: Last Name field  
33: First Name field  
34: Basic Details section  
35: RegNo. field  
36: Exit button  
37: Skills Internationals title  
38: Main form container

Components	Name	Text	Other
1	frmUpdate_Students	Students	Icon,b.C.=Lavender
2	btnBack		FlatStyle=popup
3	grpStudent		
4	lblRegNo	RegNo.	
5	grpBasicdetails	Basic Details	

6	lblFirstName	First Name	
7	lblLastName	Last Name	
8	lblDateOfBirth	Date Of Birth	
9	lblGender	Gender	
10	grpContactdetails	Contact details	
11	lblAddress	Address	
12	lblEmail	Email	
13	lblMobilenNo	Mobile No.	
14	grpParentDetails	Parent Details	
15	lblParentName	Parent Name	
16	lblNIC	NIC	
17	lblContactNo	Contact No.	
18	btnClear	Clear	B.C=LightSkyBlue,Flatstyle=popup
19	btnDelete	Delete	B.C=Red,Flatstyle=popup
20	btnUpdate	Update	B.C=Lime,Flatstyle=popup
21	btnRegister	Register	B.C=Lime,Flatstyle=popup
22	txtContactNo		
23	txtNIC		
24	txtParentName		
25	lblHomeNo	Home No	
26	txtHomeNo		
27	txtMobileNo		
28	txtEmail		
29	txtAddress		
30	rdoMale		
31	rdoFemale		
32	dateTimePicker1		
33	txtLastName		
34	txtFirstName		
35	btnSearch		B.C=Black,Flatstyle=popup
36	txtRegNo		
37	BtnExit		B.C=Red,Flatstyle=popup
38	lblSchoolName	Skills Internationals	Size 20 , bold

DESKTOP-8AKQ/CV\S...nt - dbo.teachers		DESKTOP-8AKQ/CV\S...udent - dbo.Login			DESKTOP-8AKQ/CV\S...udent - dbo.Marks			DESKTOP-8AKQ/CV\S...dbo.Registration1		
	reqNo	firstName	lastName	dateOfBirth	gender	address	email	mobilePhone	homePhone	parentName
▶	1	kamal	perera	2023-05-08 00:00:00	Male	galle	anil@gmail.co...	778265432	78965400	sunil perera
	2	Rashmika	Dilmin	2001-06-30 00:00:00	Male	patisaragewath...	rashmika499@...	767013421	778297500	P.T.S. Priyantha
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

email	mobilePhone	homePhone	parentName	nic	contactNo
anil@gmail.co...	778265432	78965400	sunil perera	123456789V	776543100
rashmika499@...	767013421	778297500	P.T.S. Priyantha	75689701V	778297500
NULL	NULL	NULL	NULL	NULL	NULL

DESKTOP-8AKQICV\S...dbo.Registration1		DESKTOP-8AKQICV\S...udent - dbo.Login	DES
Column Name	Data Type	Allow Nulls	
regNo	int	<input type="checkbox"/>	
firstName	varchar(50)	<input type="checkbox"/>	
lastName	varchar(50)	<input type="checkbox"/>	
dateOfBirth	datetime	<input type="checkbox"/>	
gender	varchar(50)	<input type="checkbox"/>	
address	varchar(50)	<input type="checkbox"/>	
email	varchar(50)	<input type="checkbox"/>	
mobilePhone	int	<input type="checkbox"/>	
homePhone	int	<input type="checkbox"/>	
parentName	varchar(50)	<input type="checkbox"/>	
nic	varchar(50)	<input type="checkbox"/>	
contactNo	int	<input type="checkbox"/>	
		<input type="checkbox"/>	

Column Properties	
Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1
Indexable	Yes

```

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.Drawing.Text;

```

```

namespace School_registration_system
{

```

```
public partial class frmUpdate_Students : Form
{
    public frmUpdate_Students()
    {
        InitializeComponent();

        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\SQLEXPRESS;Initial
        Catalog=Student;Integrated Security=True");

        SqlDataAdapter sqlDa = new SqlDataAdapter();

        private void clearForm()
        {
            txtFirstName.Clear();
            txtLastName.Clear();
            this.dateTimePicker1.Text = "";
            rdoMale.Checked = false;
            rdoFemale.Checked = false;
            txtAddress.Clear();
            txtEmail.Clear();
            txtMobileNo.Clear();
            txtHomeNo.Clear();
            txtParentName.Clear();
            txtNIC.Clear();
            txtContactNo.Clear();
        }

        private void Update_Students_Load(object sender, EventArgs e)
        {

```



```
}

private void btnBack_Click(object sender, EventArgs e)
{
    frmHome_Admin frmHome_Admin = new frmHome_Admin();
    frmHome_Admin.Show();
    this.Hide();
}

private void btnExit_Click(object sender, EventArgs e)
{
    DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
    MessageBoxButtons.YesNo, MessageBoxIcon.Question);

    if (res_exit == DialogResult.Yes)
    {
        this.Dispose();
    }

}

private void btnRegister_Click(object sender, EventArgs e)
{
    bool CheckTextBoxEmpty = false;
    bool CheckPhoneNumberLength = false;

    if (String.IsNullOrEmpty(txtFirstName.Text))
    {
        CheckTextBoxEmpty = true;
    }
}
```

```
if (String.IsNullOrEmpty(txtLastName.Text))
{

    CheckTextBoxEmpty = true;
}
if (String.IsNullOrEmpty(txtAddress.Text))
{

    CheckTextBoxEmpty = true;
}
if (String.IsNullOrEmpty(txtEmail.Text))
{

    CheckTextBoxEmpty = true;
}
if (txtMobileNo.Text.Length == 0)
{

    CheckTextBoxEmpty = true;
}
if (txtHomeNo.Text.Length == 0)
{

    CheckTextBoxEmpty = true;
}
if (String.IsNullOrEmpty(txtParentName.Text))
{

    CheckTextBoxEmpty = true;
}
if (txtNIC.Text.Length == 0)
```

```
{

    CheckTextBoxEmpty = true;
}
if (txtContactNo.Text.Length == 0)
{

    CheckTextBoxEmpty = true;
}
if (!rdoMale.Checked && !rdoFemale.Checked)
{

    CheckTextBoxEmpty = true;
}

if (CheckTextBoxEmpty)
{

    MessageBox.Show("Every Field required!", "Error", MessageBoxButtons.OK,
    MessageBoxIcon.Error);
}
try
{
    int input1 = int.Parse(txtMobileNo.Text);
    int input2 = int.Parse(txtHomeNo.Text);
    int input3 = int.Parse(txtContactNo.Text);

}
catch
{

    MessageBox.Show("Enter valid
Datatype", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);
}
```

```
if(!(txtMobileNo.Text.Length == 10))
{
    CheckPhoneNumberLength = true;
}

if(!(txtHomeNo.Text.Length == 10))
{
    CheckPhoneNumberLength = true;
}

if(!(txtContactNo.Text.Length == 10))
{
    CheckPhoneNumberLength = true;
}

if (CheckPhoneNumberLength)
{
    MessageBox.Show("Enter valid Number", "Error", MessageBoxButtons.OK,
    MessageBoxIcon.Error);
}

//if(!(txtNIC.Text.Length == 12))
//{
//    MessageBox.Show("Enter valid NIC number", "Error", MessageBoxButtons.OK,
    MessageBoxIcon.Error);
//}
```

```
string firstName = txtFirstName.Text;
string lastName = txtLastName.Text;
DateTime dob = this.dateTimePicker1.Value.Date;
string gender = "";
bool isChecked = rdoMale.Checked;
if (isChecked)
{
    gender = rdoMale.Text;
```

```
}  
  
else  
  
{  
  
    gender = rdoFemale.Text;  
  
}  
  
string address = txtAddress.Text;  
  
string email = txtEmail.Text;  
  
int mobileNo = int.Parse(txtMobileNo.Text);  
  
int homeNo = int.Parse(txtHomeNo.Text);  
  
string parent = txtParentName.Text;  
  
string nic = (txtNIC.Text);  
  
int contactNo = int.Parse(txtContactNo.Text);  
  
try  
  
{  
  
    con.Open();  
  
    string seique = "INSERT INTO Registration1 VALUES" + "(" + firstName + "','" + lastName + "  
','" + dob + "','" + gender + "','" + address + "','" + email + "','" + mobileNo + "','" + homeNo + "  
','" + parent + "','" + nic + "','" + contactNo + ")";  
  
    SqlCommand cmd = new SqlCommand(seique, con);  
  
  
  
  
  
  
  
  
  
    int n = cmd.ExecuteNonQuery();  
  
    con.Close();  
  
    Console.WriteLine(n);  
  
    if (n == 1)  
  
    {  
  
        MessageBox.Show("Successfully Registered!", "Success", MessageBoxButtons.OK,  
        MessageBoxIcon.Information);  
  
        clearForm();  
  
    }  
  
    else  
  
    {
```

```
        MessageBox.Show("Registration Failed!", "Error", MessageBoxButtons.OK,
        MessageBoxIcon.Error);
    }
}
catch (Exception ex)
{
    MessageBox.Show(ex.Message);
}
}

private void btnClear_Click(object sender, EventArgs e)
{
    clearForm();
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    string editData = "UPDATE Registration1 SET firstName = '" + txtFirstName.Text + "', lastName
= '" + txtLastName.Text + "', dateOfBirth = '" + dateTimePicker1.Value.Date + "', gender = '" +
(rdoMale.Checked ? "Male":"Female")+ "', address = '" + txtAddress.Text + "', email = '" +
txtEmail.Text + "', mobilePhone = '" + int.Parse(txtMobileNo.Text) + "', homePhone = '" +
int.Parse(txtHomeNo.Text) + "', parentName = '" + txtParentName.Text + "', nic = '" + txtNIC.Text +
"', contactNo = '" + txtContactNo.Text + "' WHERE regNo = '" + txtRegNo.Text + "' ";

    con.Open();

    SqlCommand cmd = new SqlCommand(editData,con);

    cmd.ExecuteNonQuery();

    con.Close();

    MessageBox.Show("Update Successfull","Updated",MessageBoxButtons.OK,
    MessageBoxIcon.Information);

    clearForm();
}
```

```
private void cmbRegNo_SelectedIndexChanged(object sender, EventArgs e)
{

}

private void btnSearch_Click(object sender, EventArgs e)
{
    try
    {
        string regno = txtRegNo.Text;
        string selque = "SELECT * FROM Registration1 WHERE regNo= '"+regno+"' ";
        con.Open();
        SqlCommand cmd = new SqlCommand(selque, con);
        SqlDataReader R = cmd.ExecuteReader();
        while (R.Read())
        {
            txtFirstName.Text = R.GetValue(1).ToString();
            txtLastName.Text = R.GetValue(2).ToString();
            dateTimePicker1.Value = R.GetDateTime(3);
            string gender = R.GetString(4);

            rdoMale.Checked = (gender == "Male");
            rdoFemale.Checked = (gender == "Female");
            txtAddress.Text = R.GetValue(5).ToString();
            txtEmail.Text = R.GetValue(6).ToString();
            txtMobileNo.Text = R.GetValue(7).ToString();
            txtHomeNo.Text = R.GetValue(8).ToString();
            txtParentName.Text = R.GetValue(9).ToString();
            txtNIC.Text = R.GetValue(10).ToString();
            txtContactNo.Text = R.GetValue(11).ToString();
        }
    }
}
```

```
    }  
    R.Close();  
    con.Close();  
}  
catch (Exception ex)  
{  
    MessageBox.Show("Error" + ex);  
}  
}  
  
private void btnDelete_Click(object sender, EventArgs e)  
{  
    try  
    {  
        DialogResult resDel = MessageBox.Show("Are you sure, you want to Delete no: " +  
txtRegNo.Text + " from the database?", "Delete?", MessageBoxButtons.YesNo,  
MessageBoxIcon.Warning);  
        if( resDel == DialogResult.Yes)  
        {  
            string confDel = "DELETE FROM Registration1 WHERE regNo = '"+txtRegNo.Text+"'";  
            con.Open();  
            SqlCommand cmd = new SqlCommand(confDel,con);  
            cmd.ExecuteNonQuery();  
            con.Close();  
  
            MessageBox.Show("Student No: " + txtRegNo.Text + "Successfully deleted", "Deleted",  
MessageBoxButtons.OK, MessageBoxIcon.Information);  
            clearForm();  
        }  
    }  
    catch (Exception ex)
```



```
{
    MessageBox.Show("Error While Deleting" +Environment.NewLine + ex);
}
}
}
}
```

### Register Students

**Students** Skills International Exit

Student Registration

RegNo.  Search

**Basic Details**

First Name

Last Name

Date of Birth

Gender ☒ Male ☐ Female

**Contact Details**

Address

Email

Mobile No.  Home No.

**Parent Details**

Parent Name

NIC

Contact No.

Clear Delete Update Register

Click Register Button

**Skills International** Exit

Student Registration

RegNo.  Search

**Basic Details**

First Name

Last Name

Date of Birth

Gender ☒ Male ☐ Female

**Contact Details**

Address

Email

Mobile No.  Home No.

**Parent Details**

Parent Name

NIC

Contact No.

Clear Delete Update Register

Success  
Successfully Registered!  
OK

Data add to the Database

**Important**

*After Registration Operator Should Sign in the student who registered previous*

Search Students

After Registration student get a registration number Operator can search student by giving the registration number into the RegNo textbox and click SEARCH button

**Skills International** Exit

Student Registration

RegNo. 3 Search

**Basic Details**

First Name  
Last Name  
Date of Birth Thursday , May 18, 2023  
Gender ☐ Male ☐ Female

**Contact Details**

Address  
Email  
Mobile No. Home No.

**Parent Details**

Parent Name  
NIC  
Contact No.

Clear Delete Update Register

Enter the Number

**Skills International** Exit

Student Registration

RegNo. 3 Search

**Basic Details**

First Name Nimal  
Last Name Perera  
Date of Birth Tuesday , February 8, 2000  
Gender ☐ Male ☐ Female

**Contact Details**

Address No. 34 Colombo 3  
Email Nimal@gmail.com  
Mobile No. 783456723 Home No. 773421345

**Parent Details**

Parent Name Santha Perera  
NIC 657234547V  
Contact No. 765643987

Clear Delete Update Register

## Update Students Details

**Skills International**

Student Registration

RegNo.  **Search**

**Basic Details**

First Name

Last Name

Date of Birth

Gender ☐ Male ☐ Female

**Contact Details**

Address  ← Change the Address 3 to 5

Email

Mobile No.  Home No.

**Parent Details**

Parent Name

NIC

Contact No.

**Clear** **Delete** **Update** **Register** **Exit**

Then Click on UPDATE button

Students

Skills Internationals

Exit

Student Registration

RegNo.

3

Search

Basic Details

First Name

Nimal

Last Name

Perera

Date of Birth

Tuesday , February 8, 2000

Gender

☐ Male
 ☐ Female

Contact Details

Address

No. 34 Colombo 5

Email

Nimal@gmail.com

Mobile No.

783456723

Home No.

773421345

Parent Details

Parent Name

Santha Perera

NIC

657234547V

Contact No.

765643987

Clear

Delete

Update

Register

Updated

Update Successfull

OK

## Delete

The screenshot shows a web application window titled "Students" with a header "Skills International" and an "Exit" button. The main form is titled "Student Registration" and contains several sections:

- Search:** A "RegNo." field with the value "3" and a "Search" button.
- Basic Details:**
  - First Name: Nimal
  - Last Name: Perera
  - Date of Birth: Tuesday, February 8, 2000
  - Gender: ☐ Male
- Contact Details:**
  - Address: No. 34 Colo
  - Email: Nimal@gm
  - Mobile No.: 783456723
  - Home No.: 773421345
- Parent Details:**
  - Parent Name: Santha Perera
  - NIC: 657234547V
  - Contact No.: 765643987

At the bottom of the form are buttons for "Clear", "Delete", "Update", and "Register". A "Delete?" dialog box is overlaid on the form, asking "Are you sure, you want to Delete no: 3 from the database?" with "Yes" and "No" buttons.

If you want to delete student from the database search the student number and it will give you The details about students. And click on the DELETE button Message Box pop in Select YES and record will delete from the database.

**Skills International** Exit

**Student Registration**

RegNo.  Search

**Basic Details**

First Name

Last Name

Date of Birth

Gender ☒ Male ☐ Female

**Contact Details**

Address

Email

Mobile No.  Home No.

**Parent Details**

Parent Name

NIC

Contact No.

Clear Delete Update Register

**Deleted** ×

i Student No: 3 Successfully deleted OK

After delete you can check search Previous number



Students

Skills Internationals

Exit

Student Registration

RegNo.

Search

Basic Details

First Name

Last Name

Date of Birth

Friday , May 19, 2023

Gender

☐ Male
 ☐ Female

Contact Details

Address

Email

Mobile No.

Home No.

Parent Details

Parent Name

NIC

Contact No.

Clear

Delete

Update

Register

Error

Every Field requierd!

OK

Error Occur where if any field empty.



## 7).Update Teachers

The screenshot shows a software window titled 'Teachers' with a lavender background. At the top left is a small icon of a graduation cap with the word 'SKILLS' below it. To its right is the text 'Skills International'. Below this is a section titled 'Update Subjects'. Inside this section are five input fields: 'Teacher ID', 'Name', 'Email', 'Section', and 'Contact No.'. To the right of the 'Teacher ID' field is a black 'Search' button. Below the input fields are four buttons: 'Clear' (blue), 'Delete' (red), 'Update' (green), and 'Add' (green). At the bottom left is a red 'Exit' button. At the bottom right is a small icon of a building. Numbered callouts 1 through 21 point to various components: 1 points to the window title bar, 2 to the graduation cap icon, 3 to the 'Update Subjects' title, 4 to the 'Teacher ID' label, 5 to the 'Name' label, 6 to the 'Email' label, 7 to the 'Section' label, 8 to the 'Contact No.' label, 9 to the 'Clear' button, 10 to the 'Exit' button, 11 to the 'Delete' button, 12 to the 'Update' button, 13 to the building icon, 14 to the 'Add' button, 15 to the 'Contact No.' input field, 16 to the 'Section' input field, 17 to the 'Email' input field, 18 to the 'Name' input field, 19 to the 'Search' button, 20 to the 'Update Subjects' section, and 21 to the 'Skills International' text.

Component s	Name	Text	Other
1	frmUpdate_Teachers	Teachers	Icon,B.C.=Lavender
2	pictureBox1		SizeMode=Zoom
3	grpUpdateTeachers	Update Teachers	
4	lblTeacherID	TeacherID	
5	lblName	Name	

6	lblEmail	Email	
7	lblSection	Section	
8	lblContactNo	Contact No.	
9	btnClear	Clear	B.C.=LightSkyBlue,Flatstyle=popup
10	btnExit	Exit	B.C.=Red,Flatstyle=popup
11	btnDelete	Delete	B.C.=Red,Flatstyle=popup
12	btnUpdate	Update	B.C.=Lime,Flatstyle=popup
13	btnBack		FlatStyle=popup
14	btnAdd	Add	B.C.=Lime,Flatstyle=popup
15	txtContactNo		
16	txtSection		
17	txtEmail		
18	txtName		
19	btnSearch	Search	
20	txtTeacherID		
21	lblSchoolName	Skills Internationals	

Column Name	Data Type	Allow Nulls
teacherID	int	<input type="checkbox"/>
teacherName	varchar(50)	<input type="checkbox"/>
teacherEmail	varchar(50)	<input type="checkbox"/>
section	varchar(50)	<input type="checkbox"/>
contactno	int	<input type="checkbox"/>

Column Properties	
Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1
Indexable	Yes
Is Columnset	No

```

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 School_registration_system
{
    public partial class frmUpdate_Teachers : Form
    {
        public frmUpdate_Teachers()
        {
            InitializeComponent();
            SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
            SqlDataAdapter adapter = new SqlDataAdapter();

            private void btnBack_Click(object sender, EventArgs e)
            {
                frmHome_Admin frmHome_Admin = new frmHome_Admin();
                frmHome_Admin.Show();
                this.Hide();
            }

            private void btnExit_Click(object sender, EventArgs e)
            {
                DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
                MessageBoxButtons.YesNo, MessageBoxIcon.Question);

                if (res_exit == DialogResult.Yes)
                {
                    this.Dispose();
                }
            }

            private void btnAdd_Click(object sender, EventArgs e)
            {
                string tchName = txtName.Text;
                string tchEmail = txtEmail.Text;
                string tchSection = txtSection.Text;
                int tchConno = int.Parse(txtContactNo.Text);

                try
                {
                    con.Open();
                    string selque = "INSERT INTO teachers VALUES" + "(" + tchName + "," + tchEmail +
                    "," + tchSection + "," + tchConno + ")";
                    SqlCommand cmd = new SqlCommand(selque, con);

                    int n = cmd.ExecuteNonQuery();
                    con.Close();
                    Console.WriteLine(n);
                    if (n == 1)
                    {
                        MessageBox.Show("Successfully Add to the
database", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information);
                        txtName.Clear();
                        txtEmail.Clear();
                        txtSection.Clear();
                        txtContactNo.Clear();
                    }
                }
                else
                {

```

```

        MessageBox.Show("Failed :", "Error", MessageBoxButtons.OK,
        MessageBoxIcon.Error);
    }

    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

private void btnSearch_Click(object sender, EventArgs e)
{
    try
    {
        string tchid = txtTeacherID.Text;
        string selque = "SELECT * FROM teachers WHERE teacherID = " + tchid + "";
        con.Open();
        SqlCommand cmd = new SqlCommand(selque, con);
        SqlDataReader R = cmd.ExecuteReader();
        while (R.Read())
        {
            txtName.Text = R.GetValue(1).ToString();
            txtEmail.Text = R.GetValue(2).ToString();
            txtSection.Text = R.GetValue(3).ToString();
            txtContactNo.Text = R.GetValue(4).ToString();
        }
        R.Close();
        con.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show("Error" + ex);
    }
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    string editData = "UPDATE teachers SET teacherName = " + txtName.Text +
    ",teacherEmail= " + txtEmail.Text + ",section= " + txtSection.Text + ",contactno= " +
    txtContactNo.Text + "";
    con.Open();
    SqlCommand cmd = new SqlCommand(editData, con);
    cmd.ExecuteNonQuery();
    con.Close();
    MessageBox.Show("Update
    Successful", "Updated", MessageBoxButtons.OK, MessageBoxIcon.Information);

    txtTeacherID.Clear();
    txtName.Clear();
    txtEmail.Clear();
    txtSection.Clear();
    txtContactNo.Clear();
}

private void btnDelete_Click(object sender, EventArgs e)
{
    try
    {
        DialogResult resdel = MessageBox.Show("Are you sure, you want to delete no: " +
        txtTeacherID.Text + "from the database?", "Delete", MessageBoxButtons.YesNo,
        MessageBoxIcon.Question);
        if (resdel == DialogResult.Yes)

```

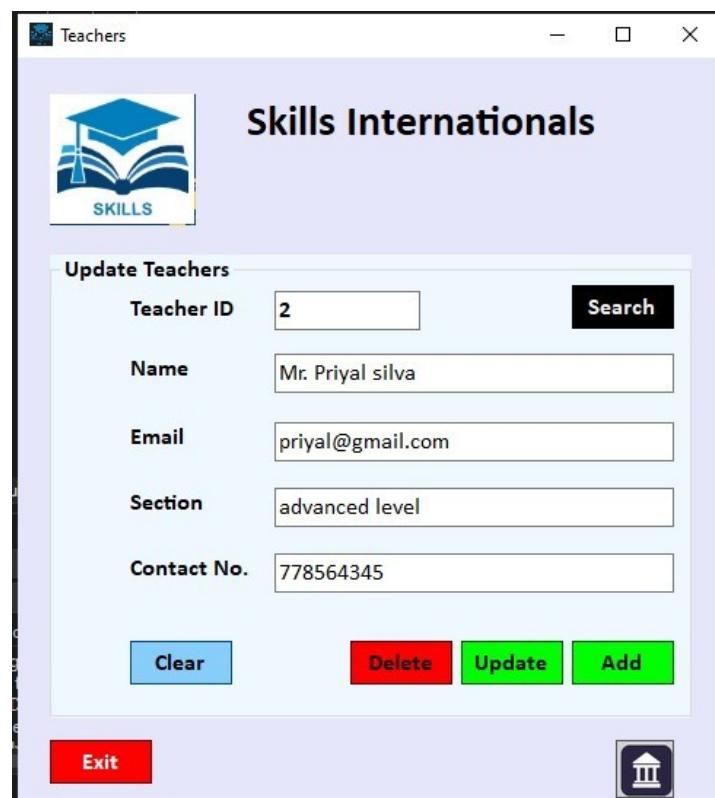
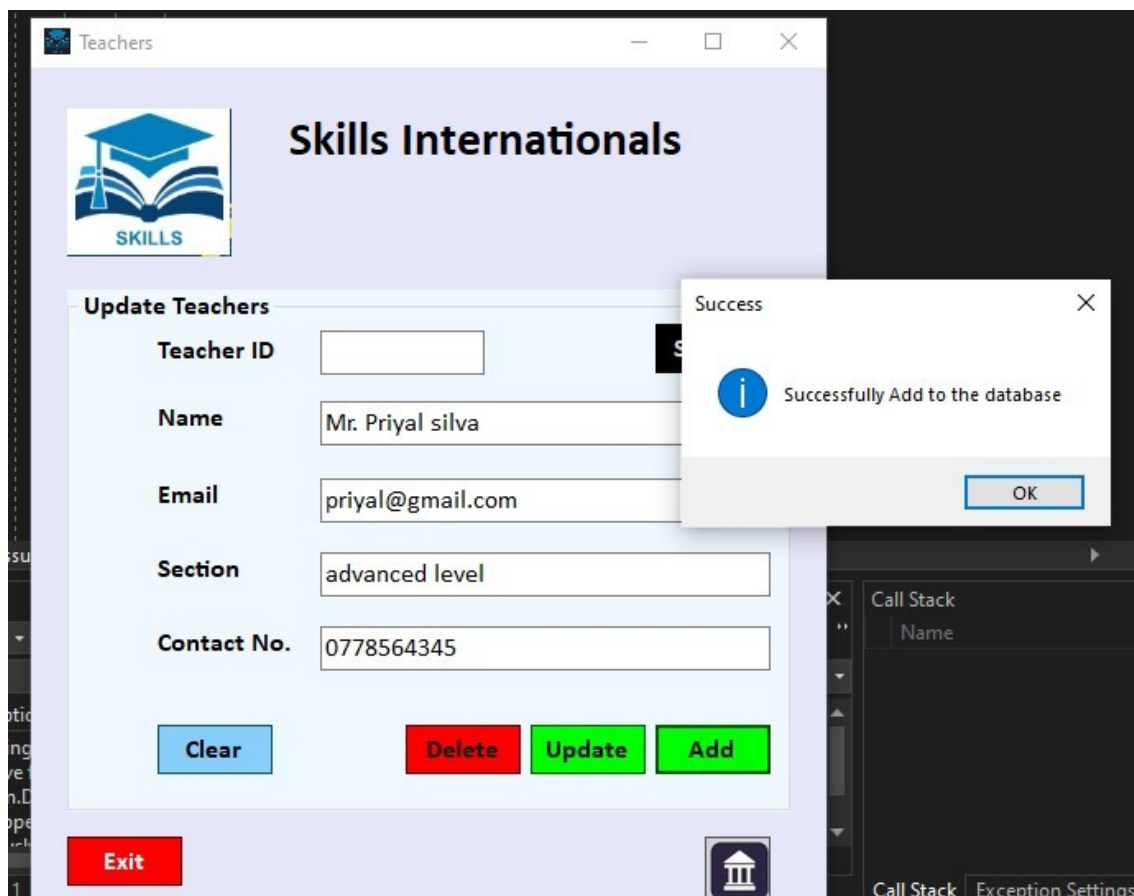
```
{
    string confdel = "DELETE FROM teachers WHERE teacherID= " +
txtTeacherID.Text + """;
    con.Open();
    SqlCommand cmd = new SqlCommand(confdel, con);
    cmd.ExecuteNonQuery();
    con.Close();

    MessageBox.Show("Teacher ID: " + txtTeacherID.Text + "Successfully Deleted
from the database!", "DELETED", MessageBoxButtons.OK, MessageBoxIcon.Information);

    txtTeacherID.Clear();
    txtName.Clear();
    txtEmail.Clear();
    txtSection.Clear();
    txtContactNo.Clear();
}
}
catch(Exception delerr)
{
    MessageBox.Show("Error" + Environment.NewLine + delerr);
}
}
}
```

### Add Teachers

Click ADD button



Enter TeacherID and Click on SEARCH button to find

## Delete

The screenshot shows a web application titled "Skills International" with a logo featuring a graduation cap and the word "SKILLS". The main form is titled "Update Teachers" and contains the following fields:

- Teacher ID: 2
- Name: Mr. Priyal silva
- Email: priyal@gmail.com
- Section: advanced level
- Contact No.: 778564345

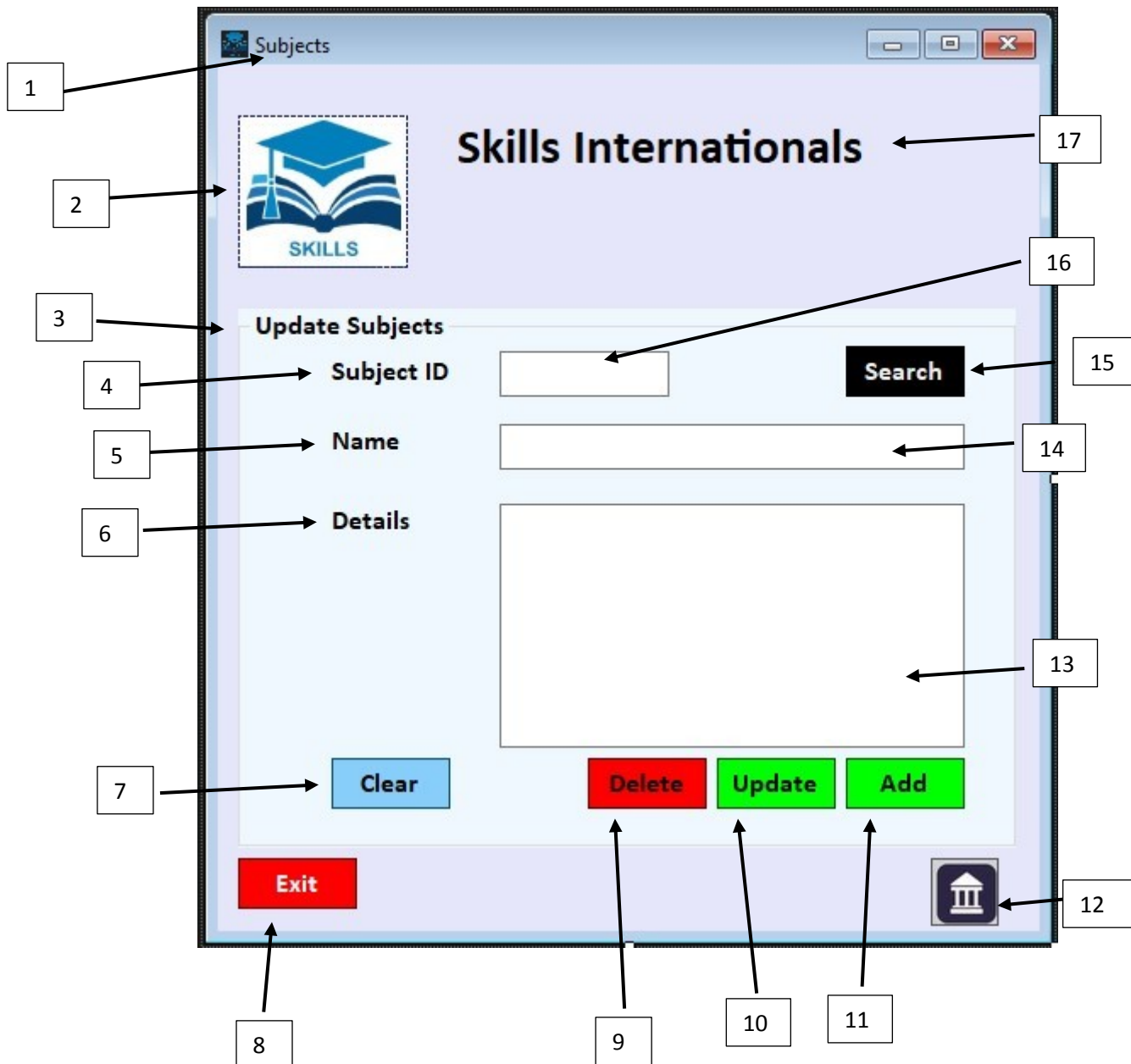
At the bottom of the form are four buttons: "Clear" (blue), "Delete" (red), "Update" (green), and "Add" (green). Below the form is a red "Exit" button. A modal dialog box titled "Delete" is overlaid on the form, asking: "Are you sure, you want to delete no: 2 from the database?". It has "Yes" and "No" buttons.

Click on YES and Record will delete in the database

DESKTOP-8AKQICV\S...nt - dbo.teachers					
	teacherID	teacherName	teacherEmail	section	contactno
▶	1	Mr. Saman Pere...	saman@123gm...	Physics	767245234
*	NULL	NULL	NULL	NULL	NULL



## 8). Update Subjects



Component	Name	Text	Other
1	frmUpdate_Subjects	Subjects	Icon.B.C.=Lavender
2	pictureBox1		
3	grpUpdateSubjects	Update Subjects	
4	lblSubjectID	SubjectID	
5	lblName	Name	



6	lblDetails	Details	
7	btnClear	Clear	B.C.=LightSkyBlue,Flatstyle=popup
8	btnExit	Exit	B.C.=Red,Flatstyle=popup
9	btnDelete	Delete	B.C.=Red,Flatstyle=popup
10	btnUpdate	Update	B.C.=Lime,Flatstyle=popup
11	btnAdd	Add	B.C.=Lime,Flatstyle=popup
12	btnBack		Sizemode =zoom
13	txtDetails		Multiline = true
14	txtName		
15	btnSearch	Search	B.C.=Black,Flatstyle=popup
16	txtSubjectID		
17	lblSchoolName	Skills Internationals	

```

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 School_registration_system
{
    public partial class frmUpdate_Subjects : Form
    {
        public frmUpdate_Subjects()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
        SqlDataAdapter SqlDa = new SqlDataAdapter();
        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
            MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_exit == DialogResult.Yes)
            {
                this.Dispose();
            }
        }

        private void btnBack_Click(object sender, EventArgs e)
        {
            frmHome_Admin admin = new frmHome_Admin();
            admin.Show();
            this.Hide();
        }

        private void btnAdd_Click(object sender, EventArgs e)
        {
            bool CheckTextBoxEmpty = false;

```

```

        if (String.IsNullOrEmpty(txtName.Text))
        {
            CheckTextBoxEmpty = true;
        }
        if (String.IsNullOrEmpty(txtDetails.Text))
        {
            CheckTextBoxEmpty = true;
        }

        if (CheckTextBoxEmpty)
        {
            MessageBox.Show("Every Field required!", "Error", MessageBoxButtons.OK,
            MessageBoxIcon.Error);
        }

        string subName = txtName.Text;
        string subDetasils = txtDetails.Text;

        try
        {
            con.Open();
            string selque = "INSERT INTO subjects1 VALUES" + "(" + subName + "," + subDetasils + ")";
            SqlCommand cmd = new SqlCommand(selque, con);

            int n = cmd.ExecuteNonQuery();
            con.Close();
            Console.WriteLine(n);
            if (n == 1)
            {
                MessageBox.Show("Successfully Added", "Success", MessageBoxButtons.OK,
                MessageBoxIcon.Information);
                txtName.Clear();
                txtDetails.Clear();
            }
            else
            {
                MessageBox.Show("Failed", "Error", MessageBoxButtons.OK,
                MessageBoxIcon.Information);
            }
        }
        catch (Exception ex)
        {
            MessageBox.Show(ex.Message);
        }
    }

    private void btnSearch_Click(object sender, EventArgs e)
    {
        try
        {
            string subID = txtSubjectID.Text;
            string selque = "SELECT * FROM subjects1 WHERE subjectID= " + subID + "";
            con.Open();
            SqlCommand cmd = new SqlCommand(selque, con);
            SqlDataReader R = cmd.ExecuteReader();

```

```

        while (R.Read())
        {
            txtName.Text = R.GetValue(1).ToString();
            txtDetails.Text = R.GetValue(2).ToString();
        }
        R.Close();
        con.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show("Error" + ex);
    }
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    string editData = "UPDATE subjects1 SET subjectName = " + txtName.Text + ",
subjectDetails = " + txtDetails.Text + " WHERE subjectID = " + txtSubjectID.Text + " ";
    con.Open();
    SqlCommand cmd = new SqlCommand(editData, con);
    cmd.ExecuteNonQuery();
    con.Close();
    MessageBox.Show("Update Successful", "Updated", MessageBoxButtons.OK,
    MessageBoxIcon.Information);
    txtName.Clear();
    txtDetails.Clear();
    txtSubjectID.Clear();
}

private void btnDelete_Click(object sender, EventArgs e)
{
    try
    {
        DialogResult resDel = MessageBox.Show("Are you sure, you want to Delete no: "
+txtSubjectID.Text+ " from the database?", "Delete?", MessageBoxButtons.YesNo,
        MessageBoxIcon.Warning);
        if (resDel == DialogResult.Yes)
        {
            string confDel = "DELETE FROM subjects1 WHERE subjectID= " +
txtSubjectID.Text + " ";
            con.Open();
            SqlCommand cmd = new SqlCommand(confDel, con);
            cmd.ExecuteNonQuery();
            con.Close();

            MessageBox.Show("subject : " + txtName.Text + " Successfully deleted",
            "Deleted", MessageBoxButtons.OK, MessageBoxIcon.Information);
            txtName.Clear();
            txtDetails.Clear();
            txtSubjectID.Clear();
        }
    }
    catch (Exception ex)
    {
        MessageBox.Show("Error While Deleting" + Environment.NewLine + ex);
    }
}
}
}


```

Column Name	Data Type	Allow Nulls
subjectID	int	<input type="checkbox"/>
subjectName	varchar(50)	<input type="checkbox"/>
subjectDetails	varchar(MAX)	<input type="checkbox"/>
		<input type="checkbox"/>

Column Properties	
Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1
Indexable	Yes
Is Columnset	No

Add Subjects



## Skills International

### Update Subjects

Subject ID

Search

Name

Details

Algebra  
Geometry  
Calculus  
Statistics


Clear

Delete

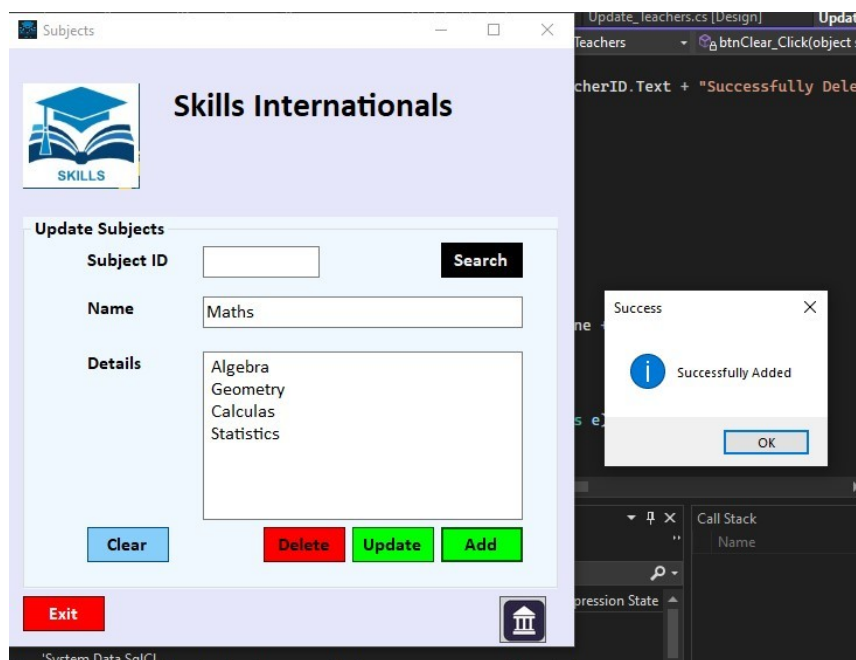
Update

Add

Exit



Click on ADD button



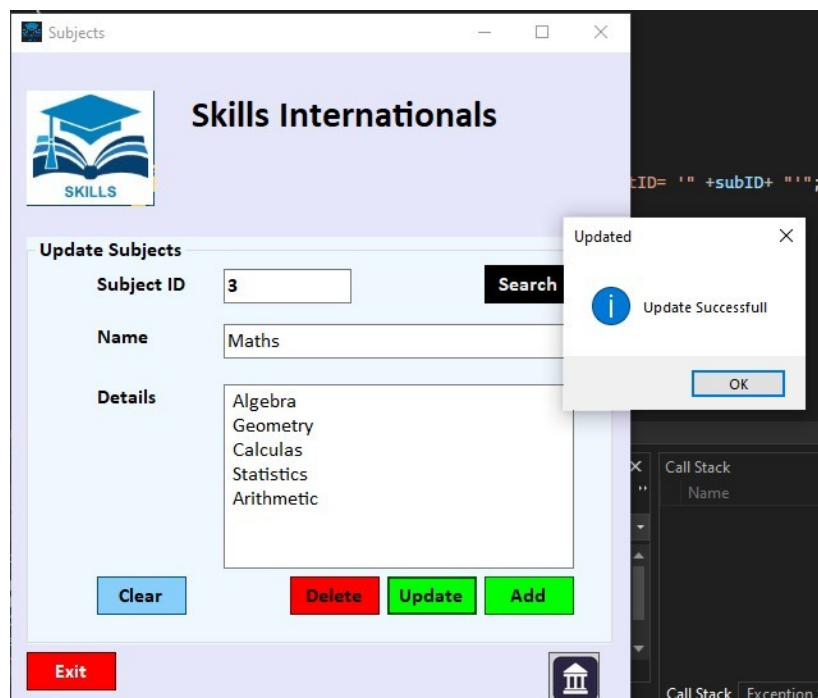
	subjectID	subjectName	subjectDetails
▶	1	Physics	physics is the b...
*	NULL	NULL	NULL

Search

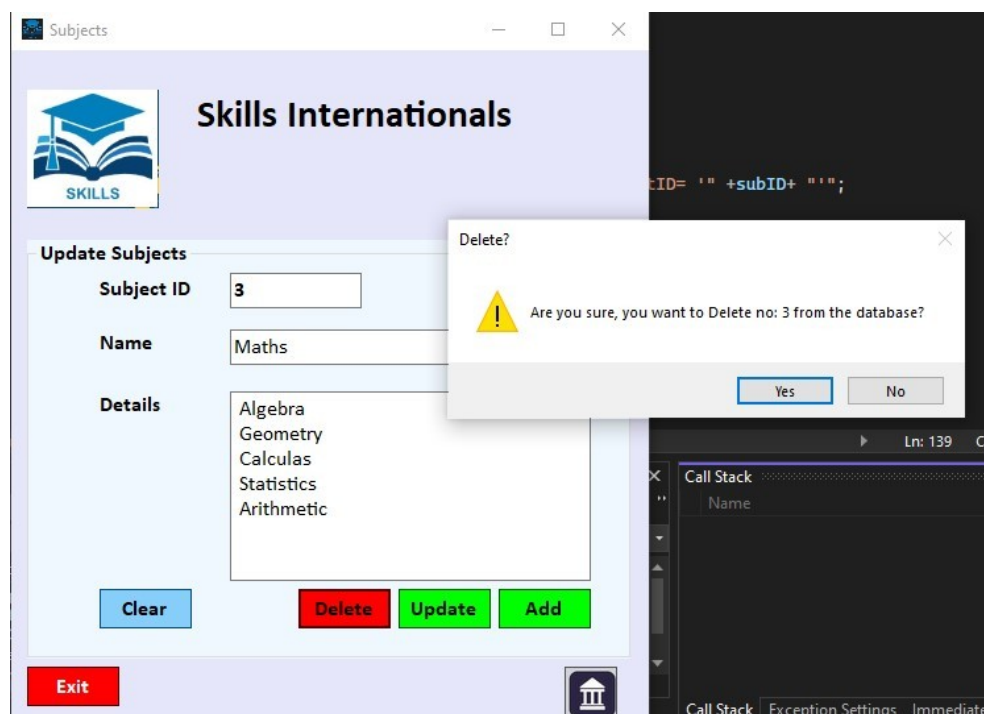
Enter the SubjectID and Click on SEARCH



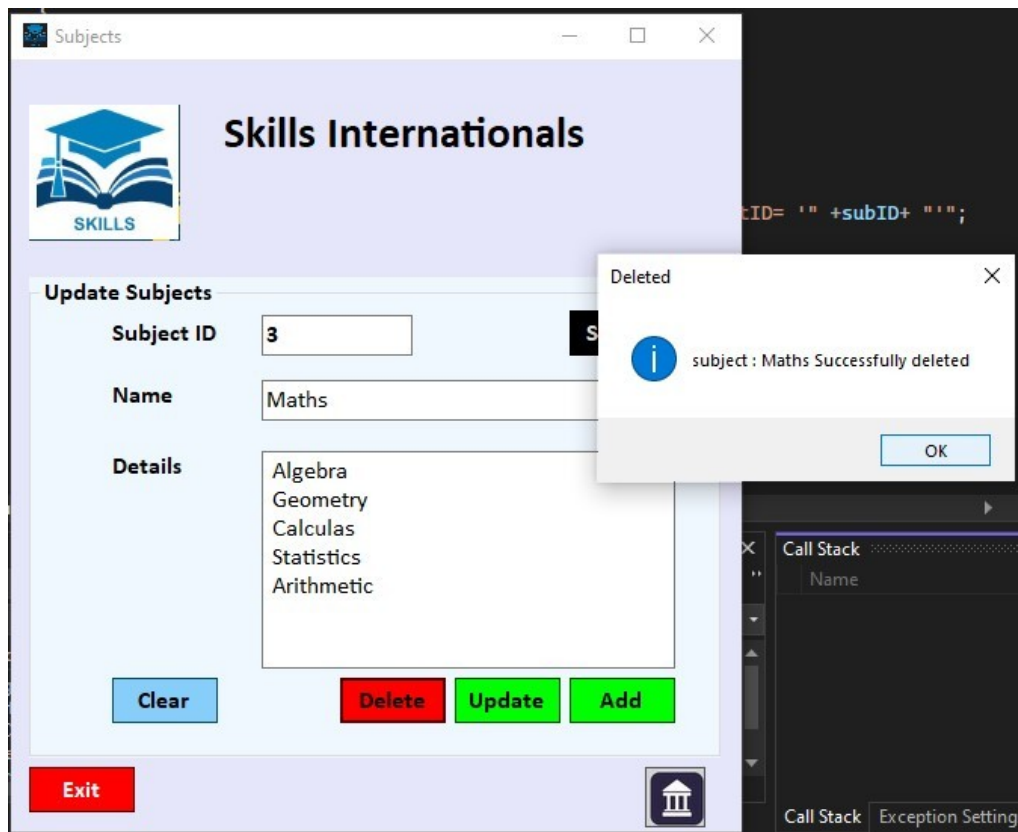
## Update



## Delete



Click on YES



## 9). Grades

Grades

**Skills International**

**Update Grades**

Reg No.  **Search** Subject ID  **Search**

Subject Name -

Name -

Email -

Grade -

**Clear** **Delete** **Update** **Add**

**Exit**

Component s	Name	Text	Other
1	frmGrades	Grades	Icon,B.C.=Lavender
2	pictureBox1		Sizemode=zoom
3	grpUpdateGrades		
4	lblRegNo		
5	txtRegNo		



6	btnSearchStudent	Search	B.C.=Black,Flatstyle=popup
7	lblName		
8	lblEmail		
9	btnClear	Clear	B.C.=LightSkyBlue,Flatstyle=popup
10	btnExit	Exit	B.C.=Red,Flatstyle=popup
11	lblGrade		
12	btnDelete	Delete	B.C.=Red,Flatstyle=popup
13	btnUpdate	Update	B.C.=Lime,Flatstyle=popup
14	btnBack		
15	btnAdd	Add	B.C.=Lime,Flatstyle=popup
16	txtGrade		
17	lblSubjectName		
18	txtSubjectName		
19	btnSearchSubject	Search	B.C.=Back,Flatstyle=popup
20	txtSubjectID		
21	lblSubjectID		
22	lblSchoolName	Skills Internationals	
23	lblDisplayName		
24	lblDisplayEmail		

```

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 School_registration_system
{
    public partial class frmGrades : Form
    {
        public frmGrades()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
        SqlDataAdapter SqlDa = new SqlDataAdapter();

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

        private void btnExit_Click(object sender, EventArgs e)
        {

```

```

        DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
        MessageBoxButtons.YesNo, MessageBoxIcon.Question);

        if (res_exit == DialogResult.Yes)
        {
            this.Dispose();
        }
    }

    private void btnBack_Click(object sender, EventArgs e)
    {
        frmHome_Admin admin = new frmHome_Admin();
        admin.Show();
        this.Hide();
    }

    private void btnAdd_Click(object sender, EventArgs e)
    {
        if(txtGrade.Text.Length == 0)
        {
            MessageBox.Show("Enter Grade","Error",MessageBoxButtons.OK,
            MessageBoxIcon.Error);
        }
        string grade = txtGrade.Text;
        string subName = txtSubjectName.Text;
        string regno = txtRegNo.Text;
        try
        {
            con.Open();
            string selque = "INSERT INTO Marks VALUES" + "(" + regno + "," + subName + "," +
+grade+ ")";
            SqlCommand cmd = new SqlCommand(selque, con);

            int n = cmd.ExecuteNonQuery();
            con.Close();
            Console.WriteLine(n);
            if (n == 1)
            {
                MessageBox.Show("Successfully Add Grade", "Success", MessageBoxButtons.OK,
                MessageBoxIcon.Information);
                txtGrade.Clear();
                txtSubjectName.Clear();
                txtRegNo.Clear();
                txtSubjectID.Clear();
            }
            else
            {
                MessageBox.Show("Failed", "Error", MessageBoxButtons.OK,
                MessageBoxIcon.Error);
            }
        }
        catch(Exception ex)
        {
            MessageBox.Show(ex.Message);
        }
    }

    private void btnSearchStudent_Click(object sender, EventArgs e)
    {
        try
        {
            string regno = txtRegNo.Text;
            string selque = "SELECT * FROM Registration1 WHERE regNo= " + regno + " ";

```

```

        con.Open() ;
        SqlCommand cmd = new SqlCommand (selque, con);
        SqlDataReader rdr = cmd.ExecuteReader();
        while(rdr.Read())
        {
            lblDisplayName.Text = rdr.GetValue(1).ToString();
            lblDisplayEmail.Text = rdr.GetValue(6).ToString();
        }
        rdr.Close();
        con.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

private void btnSearchSubject_Click(object sender, EventArgs e)
{
    try
    {
        string subID = txtSubjectID.Text;
        string selque = "SELECT * FROM subjects1 WHERE subjectID= '" + subID + "'";
        con.Open();
        SqlCommand cmd = new SqlCommand(selque, con);
        SqlDataReader rdr = cmd.ExecuteReader();
        while (rdr.Read())
        {
            txtSubjectName.Text = rdr.GetValue(1).ToString();
        }
        rdr.Close();
        con.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    string editData = "UPDATE Marks SET regNo= '" + txtRegNo.Text + "',subjectName= '" + txtSubjectName.Text + "',grade= '" + txtGrade.Text + "'";
    SqlCommand cmd = new SqlCommand(editData,con);
    cmd.ExecuteNonQuery();
    con.Close();
    MessageBox.Show("Update Successful", "Success", MessageBoxButtons.OK, MessageBoxIcon.Information);

    txtGrade.Clear();
    txtSubjectName.Clear();
    txtSubjectID.Clear();
    txtSubjectName.Clear();
}

private void btnDelete_Click(object sender, EventArgs e)
{
    try
    {

```

```

DialogResult resdel = MessageBox.Show("Are you sure,you want to delete No: " +
txtRegNo.Text + "from the database?", "Delete", MessageBoxButtons.OK,
MessageBoxIcon.Information);
if(resdel == DialogResult.Yes)
{
    string confdel = "DELETE FROM Marks WHERE regNo= " + txtRegNo.Text + "";
    con.Open();
    SqlCommand cmd = new SqlCommand(confdel,con);
    cmd.ExecuteNonQuery();
    con.Close();

    MessageBox.Show("Mark of regNo: " + txtRegNo.Text + " Successfully
deleted","Deleted", MessageBoxButtons.OK,MessageBoxIcon.Information );
    txtRegNo.Clear();
    txtSubjectName.Clear();
    txtSubjectID.Clear();
    txtSubjectName.Clear();
}
}
catch(Exception ex)
{
    MessageBox.Show("Error while deleting" + Environment.NewLine + ex);
}
}
}
}

```

Column Name	Data Type	Allow Nulls
id	int	<input type="checkbox"/>
regNo	int	<input type="checkbox"/>
subjectName	varchar(50)	<input type="checkbox"/>
grade	varchar(1)	<input type="checkbox"/>
		<input type="checkbox"/>

Column Properties	
Has Non-SQL Server Subscriber	No
Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1
Indexable	Yes
Identity Specification	

Add Grades



## Skills International

### Update Grades

Reg No.

Search

Subject ID

Search

Subject Name -

Name - Rashmika

Email - rashmika499@gmail.com

Grade -

Clear


Delete

Update

Add

Exit





## Skills International

### Update Grades

Reg No.

Search

Subject ID

Search

Subject Name -

Name - Rashmika

Email - rashmika499@gmail.com

Grade -


Clear

Delete

Update

Add

Exit



**Skills International**

**Update Grades**

Reg No.   Subject ID

Subject Name -

Name -

Email -

Grade -

**Success**

Successfully Add Grade

## 10). Home Student

Every Student can access him/her own home page by entering him/her user name and password



7

Component s	Name	Text	Other
1	frmHomeStudent	HOME	Icon,B.C.=Lavender
2	lblHomeStudent	HOME	
3	pictureBox1		
4	lblSchoolName	Skills International	
5	btnProfile	Profile	Size=150,150
6	btnTeachers	Teachers	Size=150,150
7	btnExit	Exit	B.C.=Red,Flatstyle=popup
8	btnprogress	Progress	Size=150,150

9	btnSubjects	Subjects	Size=150,150
10	btnLogout	Logout	B.C.=Blue,Flatstyle=popup

```

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 School_registration_system
{
    public partial class frmHomeStudent : Form
    {
        public frmHomeStudent()
        {
            InitializeComponent();
        }

        private void btnPrograss_Click(object sender, EventArgs e)
        {
            frmPrograss frmPrograss = new frmPrograss();
            frmPrograss.Show();
            this.Hide();
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
            MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_exit == DialogResult.Yes)
            {
                this.Dispose();
            }
        }

        private void btnBack_Click(object sender, EventArgs e)
        {
            DialogResult res_logout = MessageBox.Show("Are you sure, You want to Logout?",
            "Logging Out?", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_logout == DialogResult.Yes)
            {
                frmLogIn frmLogIn = new frmLogIn();
                frmLogIn.Show();
                this.Hide();
            }
        }

        private void btnProfile_Click(object sender, EventArgs e)
        {
            frmProfile profile = new frmProfile();
            profile.Show();
            this.Hide();
        }
    }
}

```



```
private void btnSubjects_Click(object sender, EventArgs e)
{
    frmSubjects subjects = new frmSubjects();
    subjects.Show();
    this.Hide();
}

private void btnTeachers_Click(object sender, EventArgs e)
{
    frmTeachers teachers = new frmTeachers();
    teachers.Show();
    this.Hide();
}

private void frmHomeStudent_Load(object sender, EventArgs e)
{
}
}
```

## 11). Profile

Component s	Name	Text	Other
1	frmProfile	Profile	Icon,B.C.=Lavender
2	btnback		Flatstyle=popup
3	picicon		Size= 104,104
4	lblWelcome	Welcome	
5	grpProfile	Profile	
6	lblName	Name	
7	lblEmail	Email	
8	lblPhoneno	Phone No.	
9	lblBirthday	Birthday	
10	btnExit	Exit	B.C.=Red,Flatstyle=popup
11	btnShow	Show	B.C.=Black,Flatstyle=popup
12	lblDisplayBirthday		

13	lblDisplayPhoneNumber		
14	lblDisplayEmail		
15	lblDisplayName		

```

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 School_registration_system
{
    public partial class frmProfile : Form
    {
        public frmProfile()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
        SqlDataAdapter SqlDa = new SqlDataAdapter();
        private void button1_Click(object sender, EventArgs e)
        {
            frmHomeStudent frmHomeStudent = new frmHomeStudent();
            frmHomeStudent.Show();
            this.Hide();
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
            MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_exit == DialogResult.Yes)
            {
                this.Dispose();
            }
        }

        private void button1_Click_1(object sender, EventArgs e)
        {
            try
            {
                string selque = "SELECT * FROM Registration1";
                con.Open();
                SqlCommand cmd = new SqlCommand(selque, con);
                SqlDataReader R = cmd.ExecuteReader();
                while (R.Read())
                {
                    lblDisplayName.Text = R.GetValue(1).ToString();
                    lblDisplayEmail.Text = R.GetValue(2).ToString();
                    lblDisplayPhoneNumber.Text = R.GetValue(7).ToString();
                    lblDisplayBirthday.Text = R.GetValue(3).ToString();
                }
                R.Close();
            }
        }
    }
}

```

```

        con.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show("Error" + ex);
    }
}
}
}

```

### Login Student

The screenshot shows a web application window titled "Login" for "Skills International". The main heading is "Skills International" with a logo featuring a graduation cap and the word "SKILLS". Below the heading is a "Login" form. The form has two input fields: "UserName" with the value "rash@123" and "Password" with masked characters "\*\*\*\*\*". There are three buttons in the form: "Forgot Password" (red), "Clear" (blue), and "Login" (blue). A checkbox labeled "Show Password" is located below the password field. At the bottom of the form are two buttons: "Exit" (red) and "Back" (black). A small "Logged in" dialog box is overlaid on the form, displaying "Login Success! :)" and an "OK" button.

Profile

Welcome!

**Profile**

**Name :** Rashmika

**Email :** Dilmin

**Phone No. :** 767013421

**Birthday :** 6/30/2001 12:00:00 AM

**Exit** **Show**

Click on SHOW button and Students details will show in the form

## 12). Teachers

The screenshot shows a Windows-style application window titled "Teachers". The window has a lavender background. In the top-left corner, there is a small icon of a classical building (1). Below it, the word "Welcome!" is displayed in a large, bold, black font (4). Above the welcome text is a placeholder for a teacher's profile picture, showing a man with glasses and a blue shirt (3). Below the welcome text, there is a light blue rectangular panel titled "Teachers" (5). Inside this panel, there are four labels: "Teacher ID" (6), "Name :" (7), "Email :" (8), "Section :" (9), and "Contact No. :" (10). To the right of the "Teacher ID" label is a text input field (11). To the right of the input field is a black button with the word "Search" in white (12). At the bottom-left of the main window, there is a red button with the word "Exit" in white (13). On the right side of the window, there is a vertical scrollbar (14). The window title bar at the top has standard minimize, maximize, and close buttons (15, 16, 17).

Component s	Name	Text	Other
1	frmTeachers	Teachers	Icon,B.C.=Lavender
2	btnBack		Flatstyle=popup
3	picicon		Size=97,101
4	lblWelcome	Welcome	
5	grpTeachers	Teachers	
6	lblTeacherID	Teacher ID	
7	lblName	Name	

8	lblEmail	Email	
9	lblSection	Section	
10	lblContactNo	Contact No.	
11	btnExit	Exit	
12	lblDisplayContactNo		
13	lblDisplaySection		
14	lblDisplayEmail		
15	lblDisplayName		
16	btnSearch		B.C.=black,Flatstyle=popup
17	txtTeacherID		

```

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

namespace School_registration_system
{
    public partial class frmTeachers : Form
    {
        public frmTeachers()
        {
            InitializeComponent();

            SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
            SqlDataAdapter SqlDa = new SqlDataAdapter();

            private void btnBack_Click(object sender, EventArgs e)
            {
                frmHomeStudent frmHomeStudent = new frmHomeStudent();
                frmHomeStudent.Show();
                this.Hide();
            }

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

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

            private void frmTeachers_Load(object sender, EventArgs e)
            {

```

```

    }

    private void btnExit_Click(object sender, EventArgs e)
    {
        DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
        MessageBoxButtons.YesNo, MessageBoxIcon.Question);

        if (res_exit == DialogResult.Yes)
        {
            this.Dispose();
        }
    }

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

    private void btnSearch_Click(object sender, EventArgs e)
    {
        try
        {
            string subID = txtTeacherID.Text;
            string selque = "SELECT * FROM Teachers WHERE teacherID= '" + subID + "'";
            con.Open();
            SqlCommand cmd = new SqlCommand(selque, con);
            SqlDataReader R = cmd.ExecuteReader();
            while (R.Read())
            {
                lblDisplayName.Text = R.GetValue(1).ToString();
                lblDisplayEmail.Text = R.GetValue(2).ToString();
                lblDisplaySection.Text = R.GetValue(3).ToString();
                lblDisplayContactNo.Text = R.GetValue(4).ToString();
            }
            R.Close();
            con.Close();
        }
        catch (Exception ex)
        {
            MessageBox.Show("Error" + ex);
        }
    }
}

```



The screenshot shows a window titled 'Teachers' with a light blue background. In the top left corner, there is a small icon of a building. In the top right corner, there are standard window control buttons (minimize, maximize, close). Below the icon, there is a placeholder image of a person with glasses and a blue shirt. Below the image, the text 'Welcome!' is displayed in a large, bold, black font. In the center of the window, there is a white rectangular box with a light blue border. Inside this box, the title 'Teachers' is at the top. Below the title, there is a search form. The form has a label 'Teacher ID' followed by a text input field containing the number '1'. To the right of the input field is a black button with the text 'Search' in white. Below the search form, there is a list of details for the teacher: 'Name : Mr. Saman Perera', 'Email : saman@123gmail.com', 'Section : Physics', and 'Contact No. : 767245234'. At the bottom left of the window, there is a red button with the text 'Exit' in white.

Search Teacher by entering the Teacher ID then Teacher's details will display

### 13). Subjects

Component s	Name	Text	Other
1	frmSubjects	Subjects	Icon,B.C.=Lavender
2	btnBack		Flatstyle=popup
3	picIcon		Size=133,120
4	lblWelcome	Welcome	
5	grpSubjects	Subjects	
6	lblSubjectID		
7	lblName		
8	lblDetails		
9	btnExit	Exit	B.C.=Red,Flatstyle=popup
10	btnSearch	Search	B.C.=Black,Flatstyle=popup

11	txtSubjectID		
----	--------------	--	--

```

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 School_registration_system
{
    public partial class frmSubjects : Form
    {
        public frmSubjects()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
        SqlDataAdapter SqlDa = new SqlDataAdapter();
        private void Subjects_Load(object sender, EventArgs e)
        {
        }

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

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

        private void btnBack_Click(object sender, EventArgs e)
        {
            frmHomeStudent frmHomeStudent = new frmHomeStudent();
            frmHomeStudent.Show();
            this.Hide();
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
            MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_exit == DialogResult.Yes)
            {
                this.Dispose();
            }
        }

        private void button1_Click(object sender, EventArgs e)
        {
            try
            {

```

```

string subID = txtSubjectID.Text;
string selque = "SELECT * FROM subjects1 WHERE subjectID= " +
txtSubjectID.Text + """;
con.Open();
SqlCommand cmd = new SqlCommand(selque, con);
SqlDataReader R = cmd.ExecuteReader();
while (R.Read())
{
    lblDisplayName.Text = R.GetValue(1).ToString();
    string details = R.GetValue(2).ToString();
    details = details.Replace("\\n ", Environment.NewLine);
    lblDisplayDetails.Text = details;
}
R.Close();
con.Close();
}
catch (Exception ex)
{
    MessageBox.Show("Error" + ex);
}
}
}
}

```

Search Subjects by entering the SubjectID

*Issue = No line breaks in the details*

## 14). Progress

Component s	Name	Text	Other
1	frmPrograss	Prograss	Icon,B.C.=Lavender
2	btnBack		Flatstyle=popup
3	picIcon		Size=153,139
4	lblWelcome	Welcome	
5	grpGrades	Grades	
6	lblSubjectName	Subject Name	
7	lblGrade	Grade	
8	btnExit	Exit	B.C.=Red,Flatstyle=popup
9	btnSearch	Search	B.C.=Black,Flatstyle=popup
10	txtsubjectname		

```

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

namespace School_registration_system
{
    public partial class frmPrograss : Form
    {
        public frmPrograss()
        {
            InitializeComponent();
        }
        SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-8AKQICV\
SQLEXPRESS;Initial Catalog=Student;Integrated Security=True");
        SqlDataAdapter SqlDa = new SqlDataAdapter();
        private void label2_Click(object sender, EventArgs e)
        {
        }

        private void btnBack_Click(object sender, EventArgs e)
        {
            frmHomeStudent frmHomeStudent = new frmHomeStudent();
            frmHomeStudent.Show();
            this.Hide();
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            DialogResult res_exit = MessageBox.Show("Are you sure, You want to Exit?", "Exit?",
            MessageBoxButtons.YesNo, MessageBoxIcon.Question);

            if (res_exit == DialogResult.Yes)
            {
                this.Dispose();
            }
        }

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

        private void btnSearch_Click(object sender, EventArgs e)
        {
            try
            {
                string subName = txtSubjectName.Text;
                string selque = "SELECT * FROM Marks WHERE subjectName= '" + subName + "'";
                con.Open();
                SqlCommand cmd = new SqlCommand(selque, con);
                SqlDataReader R = cmd.ExecuteReader();
                while (R.Read())
                {

```

```

        lblDisplayGrade.Text = R.GetValue(3).ToString();
    }
    R.Close();
    con.Close();
}
catch (Exception ex)
{
    MessageBox.Show("Error" + ex);
}
}
}
}

```

Enter the Subject name click on SEARCH button then Grade of yours will display

The screenshot shows a Windows application window titled "Prograss". The window has a light blue background. In the top-left corner, there is a small icon of a classical building. In the center, there is a green bar chart icon with an upward-pointing arrow. Below the icon, the text "Welcome!" is displayed in a large, bold, black font. Below the welcome message, there is a section titled "Grades" in a light blue box. Inside this box, there is a form with two labels: "Subject Name" and "Grade :". The "Subject Name" label is followed by a text input field containing the word "Physics". To the right of the input field is a black button with the word "Search" in white. Below the "Grade :" label, the letter "C" is displayed. At the bottom-left corner of the window, there is a red button with the word "Exit" in white.

