

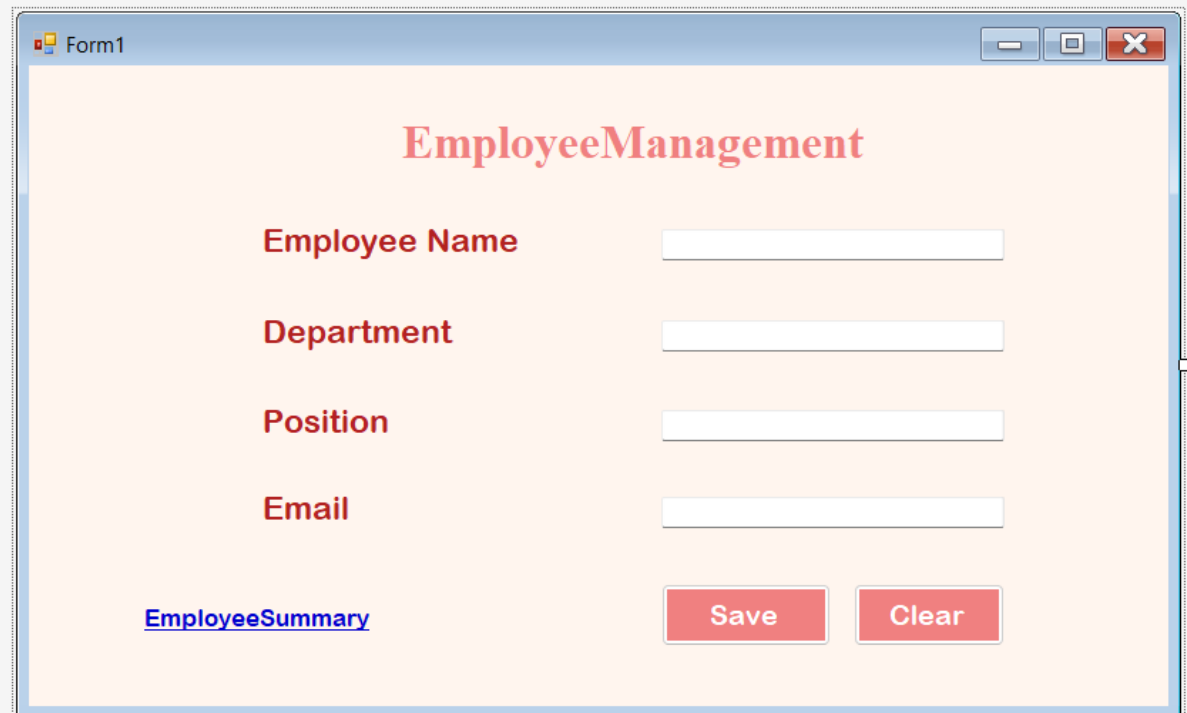
Employee Management - .NET Windows Forms CRUD Application

Sql Code –

```
CREATE table EmployeeData(  
EmployeeID int primary key identity(1,1),  
EmployeeName VARCHAR(100),  
Department VARCHAR(100),  
Position VARCHAR (100),  
Email VARCHAR (100)  
);
```

Design -

Form 1



The screenshot shows a Windows Form titled "Form1" with a light orange background. At the top center, the text "EmployeeManagement" is displayed in a large, bold, red font. Below this, there are four labels in red font: "Employee Name", "Department", "Position", and "Email". Each label is followed by a white text input field. At the bottom left, there is a blue underlined link labeled "EmployeeSummary". At the bottom right, there are two red buttons with white text: "Save" and "Clear". The form has a standard Windows window border with minimize, maximize, and close buttons in the top right corner.

Form 2 – Employee Summary Form

The image shows a software window titled "EmployeeSummary". Inside the window, there is a large, solid orange rectangle that occupies most of the central area. In the bottom right corner of the window, there is a blue text link that reads "UpdateDetails". The window has a standard title bar with minimize, maximize, and close buttons.

Form 3 – Update Employee Form

The image shows a software window titled "UpdateEmployeeData". The window contains a form with five input fields, each with a label to its left: "Employee Id", "Employee Name", "Department", "Position", and "Email". To the right of the "Employee Id" field is a red button labeled "Get". At the bottom of the form, there are two red buttons: "Update" and "Clear". In the bottom left corner of the window, there is a blue text link that reads "EmployeeManagement". The window has a standard title bar with minimize, maximize, and close buttons.

Backend Code –

Form 1 –

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

namespace EmployeeRecords
{
    public partial class Form1 : Form
    {
        SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["TestConnection"].Connecti
onString);
        public Form1()
        {
            InitializeComponent();

            private void btnSave_Click(object sender, EventArgs e)
            {
                con.Open();
                SqlCommand cmd = new SqlCommand("insert into EmployeeData
values('"+txtEmployeeName.Text+"','"+", '"+txtDepartment.Text +"',
 '"+txtPosition.Text+ "', '"+txtEmail.Text+'")", con);
                int results = cmd.ExecuteNonQuery();
                con.Close();
                if (results > 0)
                {
                    MessageBox.Show("Inserted Successfully");
                }
            }
            private void Clear()
            {
                txtEmployeeName.Text = string.Empty;
                txtDepartment.Text = string.Empty;
                txtPosition.Text = string.Empty;
                txtEmail.Text = string.Empty;
            }

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

            private void linkLabel1_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
            {
                EmployeeSummary objEmployeeSummary = new EmployeeSummary();
                objEmployeeSummary.Show();
                this.Hide();
            }
        }
    }
}
```

```
}
```

Form 2 – Employee Summary Form -

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

namespace EmployeeRecords
{
    public partial class EmployeeSummary : Form
    {
        SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["TestConnection"].Connecti
onString);
        public EmployeeSummary()
        {
            InitializeComponent();

            private void EmployeeSummary_Load(object sender, EventArgs e)
            {
                SqlCommand cmd = new SqlCommand("select * from EmployeeData", con);
                SqlDataAdapter ada = new SqlDataAdapter(cmd);
                DataSet ds = new DataSet();
                ada.Fill(ds);
                dgvGridData.DataSource = ds.Tables[0];
            }

            private void lnkUpdate_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
            {
                UpdateEmployeeData objUpdateEmployeeData = new
UpdateEmployeeData();
                objUpdateEmployeeData.Show();
                this.Hide();
            }
        }
    }
}
```

Form 3 – Employee Update Form –

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Net.NetworkInformation;
```

```

using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
using System.Configuration;

namespace EmployeeRecords
{
    public partial class UpdateEmployeeData : Form
    {
        SqlConnection con = new
SqlConnection(ConfigurationManager.ConnectionStrings["TestConnection"].Connecti
onString);

        public UpdateEmployeeData()
        {
            InitializeComponent();

            private void btnGet_Click(object sender, EventArgs e)
            {
                con.Open();
                SqlCommand cmd = new SqlCommand("select * from EmployeeData" +
                " where EmployeeID = "+txtEmployeeID.Text, con);
                SqlDataReader dr = cmd.ExecuteReader();
                while (dr.Read())
                {
                    txtEmployeeName.Text = dr["EmployeeName"].ToString();
                    txtDepartment.Text = dr["Department"].ToString();
                    txtPosition.Text = dr["Position"].ToString();
                    txtEmail.Text = dr["Email"].ToString();
                }
                con.Close();
                btnGet.Enabled = false;
            }

            private void btnUpdate_Click(object sender, EventArgs e)
            {
                con.Open();
                SqlCommand cmd = new SqlCommand("UPDATE EmployeeData SET
EmployeeName = '" + txtEmployeeName.Text + "', Department = '" +
txtDepartment.Text + "', Position = '" + txtPosition.Text + "', Email = '" +
txtEmail.Text + "' WHERE EmployeeID = " + txtEmployeeID.Text, con);
                int results = cmd.ExecuteNonQuery();
                con.Close();
                if (results > 0)
                {
                    MessageBox.Show("Updated Successfully");
                }
            }

            private void Clear()
            {
                txtEmployeeID.Text = string.Empty;
                txtEmployeeName.Text = string.Empty;
                txtDepartment.Text = string.Empty;
                txtPosition.Text = string.Empty;
                txtEmail.Text = string.Empty;
                btnGet.Enabled = true;
            }

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

```

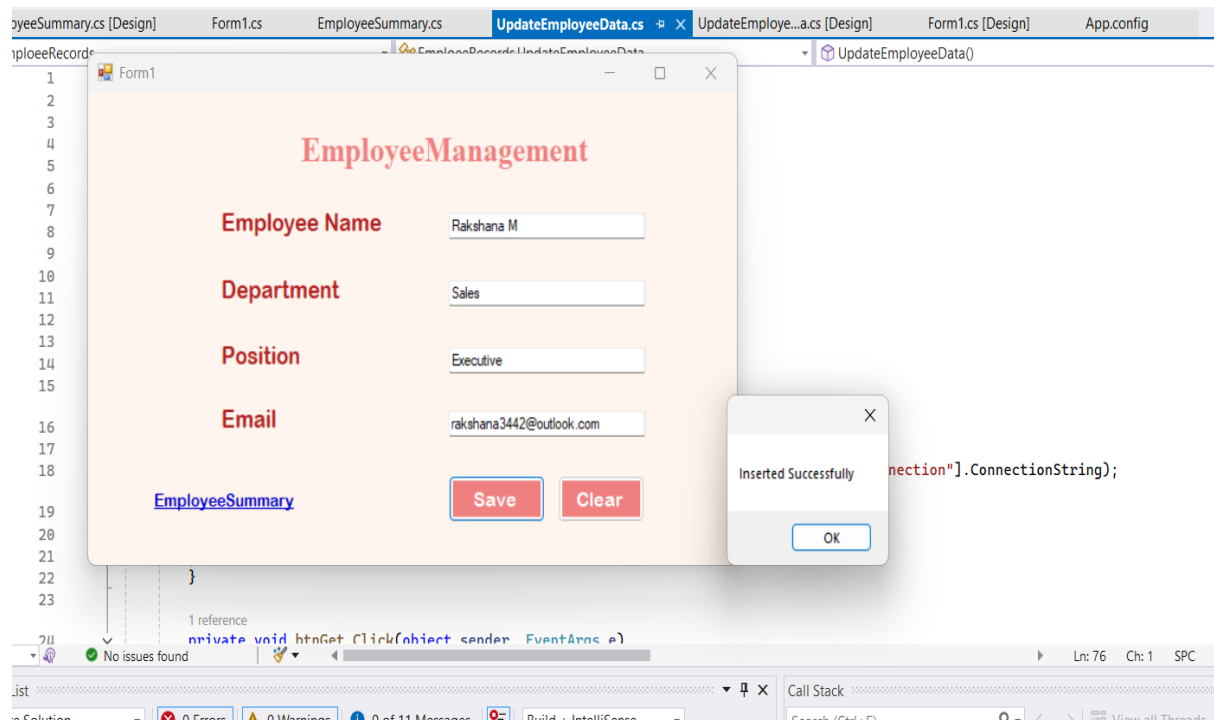
```

        private void linkLabel1_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
        {
            Form1 objForm = new Form1();
            objForm.Show();
            this.Hide();
        }
    }
}

```

Output –

Enter Employee Data



Employee Summary

EmployeeSummary

	EmployeeID	EmployeeName	Department	Position	Email
▶	1	Anjali Lakshmi	IT	Developer	anjali123@
	2	Priya S	HR	HR Manager	priyaSS1@
	3	Kavya Nair	Finance	Accountant	Kav555@
	4	Suresh Kumar	Marketing	Executive	suresh33@
	5	Anitha R	Sales	Manager	aniRRR@
	6	Meera Iyer	IT	System Analyst	meeraa0@
	7	Raghav R	IT	Engineer	raghav23@
	8	Vignesh N	HR	Recruitment Lead	vignesh0@

[UpdateDetails](#)

```

18 SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["TestCon
19
20 public UpdateEmployeeData()
21 {
22     Initiali UpdateEmployeeData.UpdateEmployeeData()
23 }

```

Update Employee Details

UpdateEmployeeData

Employee Id

Employee Name

Department

Position

Email

[EmployeeManagement](#)

```

18 SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["TestCon
19
20 public UpdateEmployeeData()
21 {
22     InitializeComponent();
23 }
24
25 private void btnGet_Click(object sender, EventArgs e)

```

Updated Successfully

OK