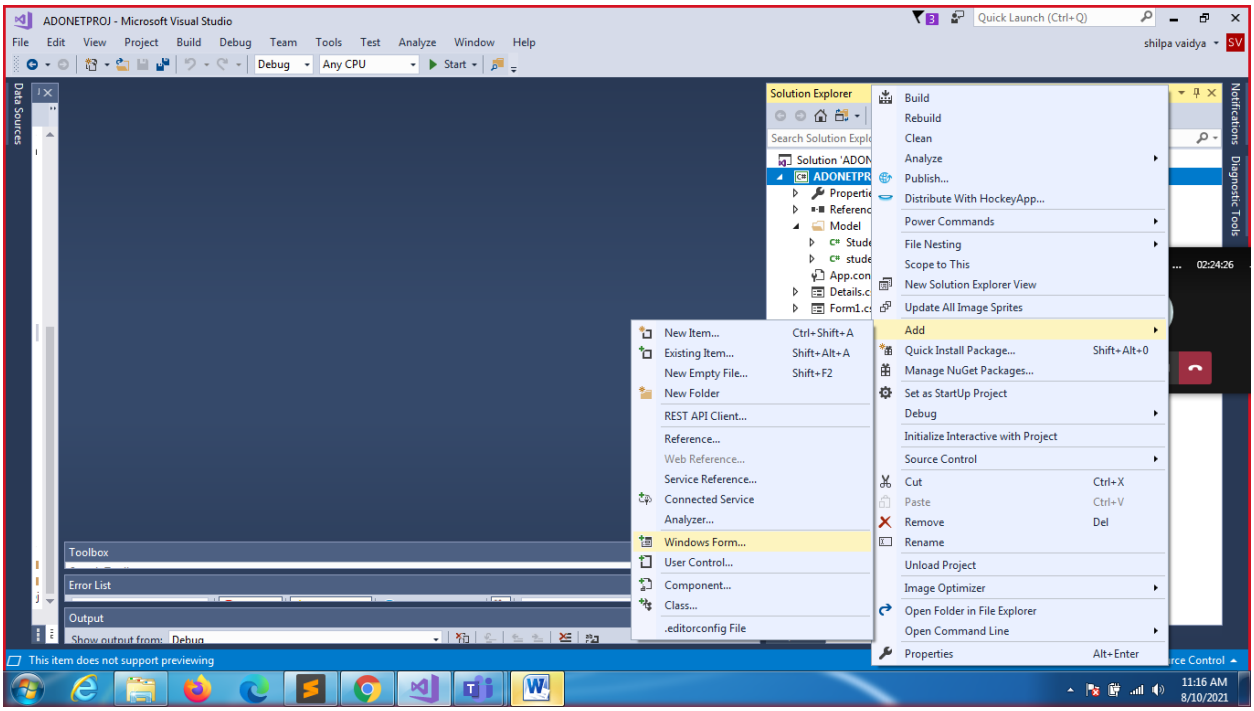
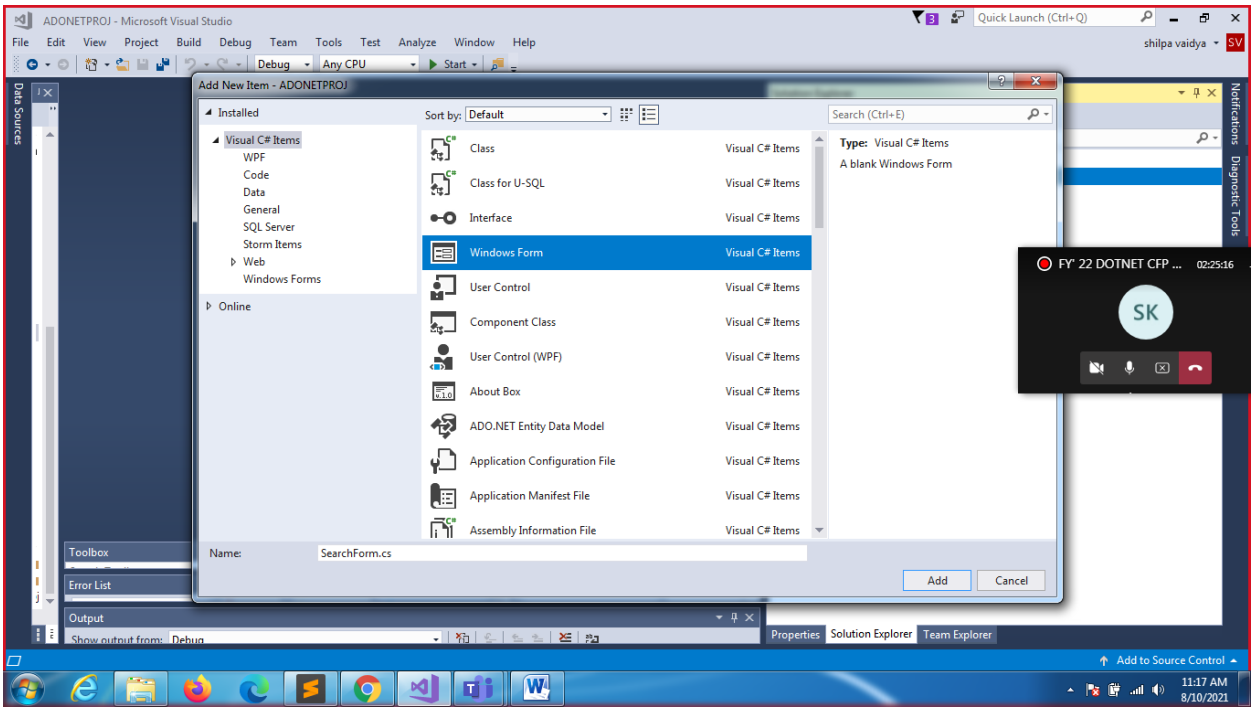
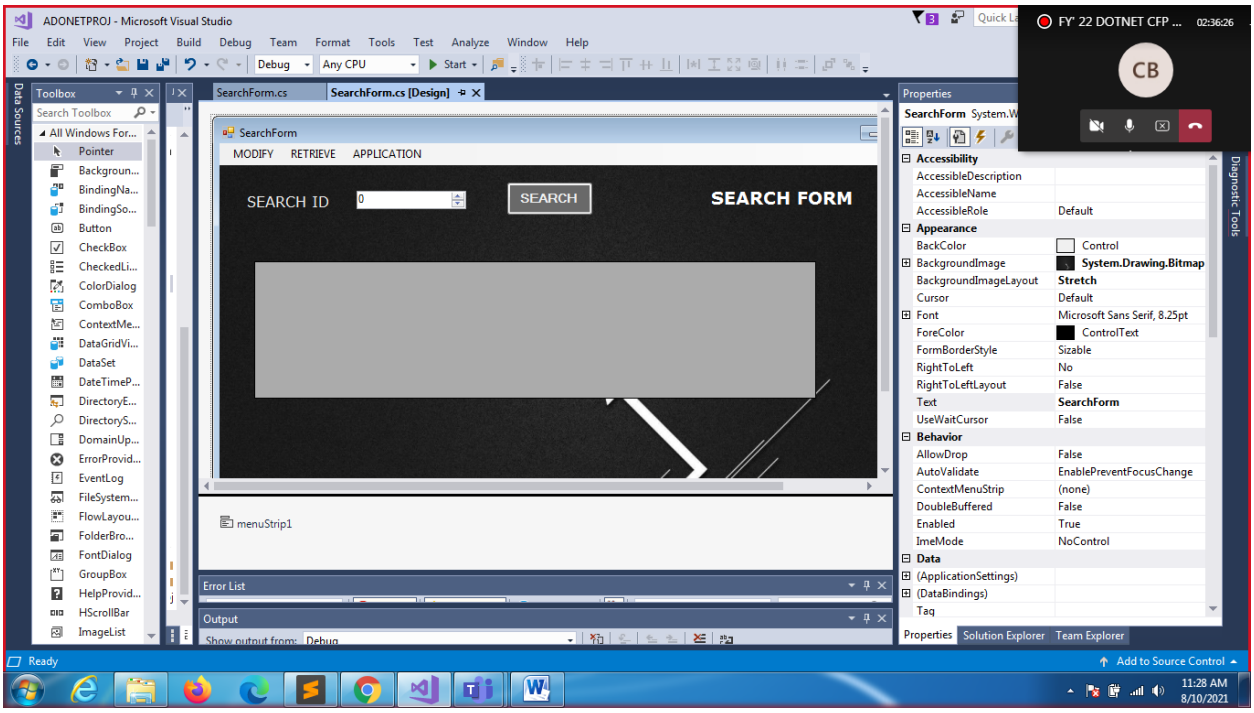
ADD WINDOWS FORM - > SEARCH FORM







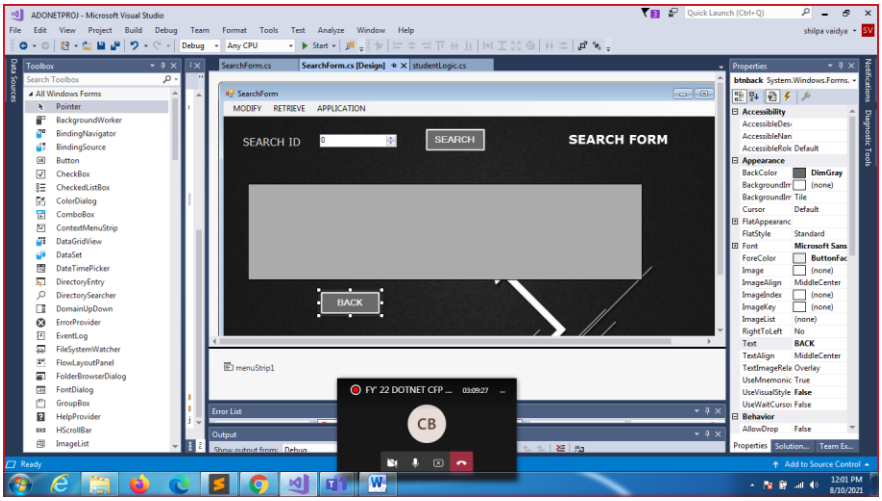
Studentlogic.cs

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

namespace ADONETPROJ.Model
{
    class studentLogic
    {
        private string connStr = ConfigurationManager.ConnectionStrings["studb"].
ConnectionString;

        public List<Student> getStudentDetails()
        {
            List<Student> li = new List<Student>();
            SqlConnection conn = new SqlConnection(connStr);

            try
            {
                conn.Open();
                string sql = "select * from Student";
                SqlCommand cmd = new SqlCommand(sql,conn);
                SqlDataReader reader = cmd.ExecuteReader();
```

```
                while(reader.Read())
                {
                    Student s = new Student();
                    s.Id = Convert.ToInt32(reader.GetValue(0));
                    s.Name = reader.GetValue(1).ToString();
                    s.Email = reader.GetValue(2).ToString();
                    s.Phone = reader.GetValue(3).ToString();
                    s.Fees = float.Parse(reader.GetValue(0).ToString());
                    s.Percent = float.Parse(reader.GetValue(0).ToString());
                    li.Add(s);
                }
            }
            catch(Exception e)
            {
                MessageBox.Show(e.Message);
            }
            finally
            {
                conn.Close();
            }
            return li;
        }

        public string AddData(Student student)
        {
            string message = "";

            // string sql = " insert into Student(STUDENTNAME, EMAIL, PHONE, FEES
,\"PERCENT\") values('";
            // sql += student.Name + "', ' " +student.Email+ "', '"+student.Phone
 +"', " + student.Fees +","+ student.Percent + ")";


            string sql = String.Format("insert into Student(STUDENTNAME, EMAIL, P
HONE, FEES,\"PERCENT\") values('{0}','{1}','{2}',{3},{4})",student.Name,student.E
mail,student.Phone,student.Fees,student.Percent);

            SqlConnection conn = new SqlConnection(connStr);
            try
            {
                conn.Open();
                SqlCommand cmd = new SqlCommand(sql,conn);
                cmd.ExecuteNonQuery();
                message = " the record inserted successfully : " + student.ToStri
ng();
            }
            catch(Exception e)
            {
                message = e.Message;
            }
```

```
            finally
            {
                conn.Close();
            }
            return message;
        }

        public DataSet GetSearchData(int id)
        {
            DataSet ds = new DataSet();
            SqlConnection conn = new SqlConnection(connStr);
            string sql = "select * from Student where Id="+id.ToString();

            try
            {
                conn.Open();
                SqlDataAdapter da = new SqlDataAdapter(sql, conn);
                da.Fill(ds);
            }
            catch(Exception e)
            {
                MessageBox.Show(e.Message);
            }
            finally
            {
                conn.Close();
            }
            return ds;
        }
    }
}
```

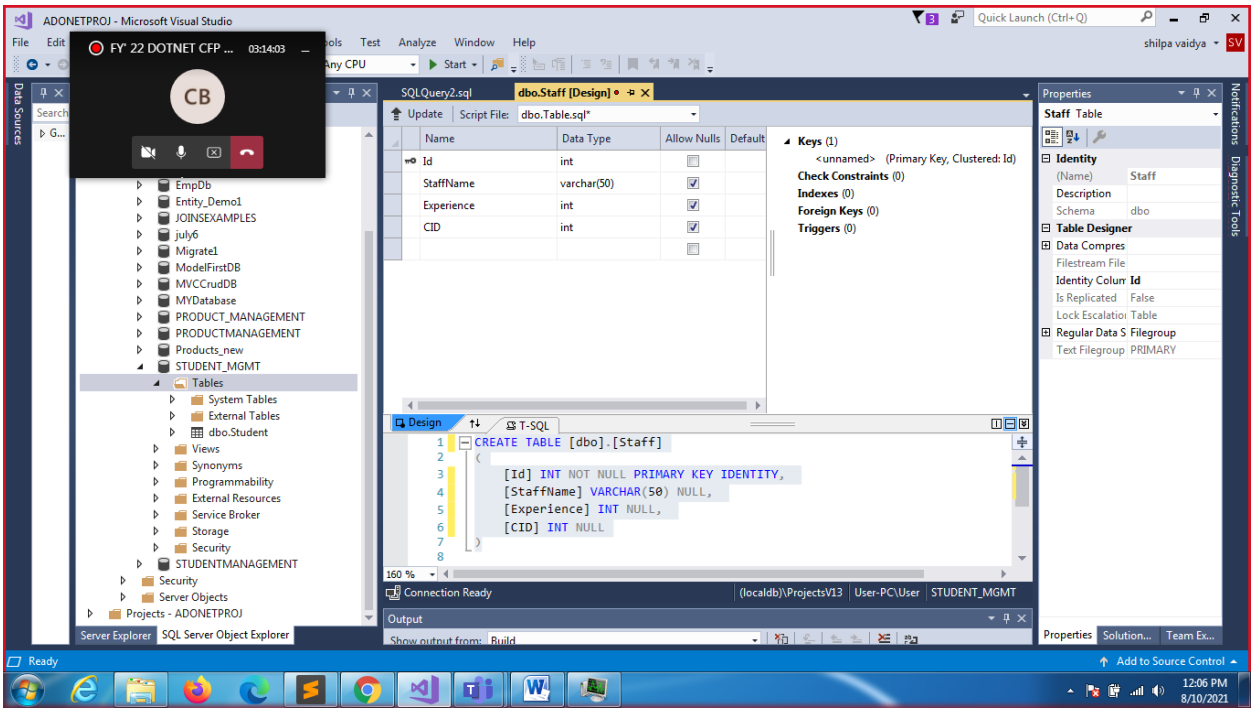
SEARCHDATA.CS

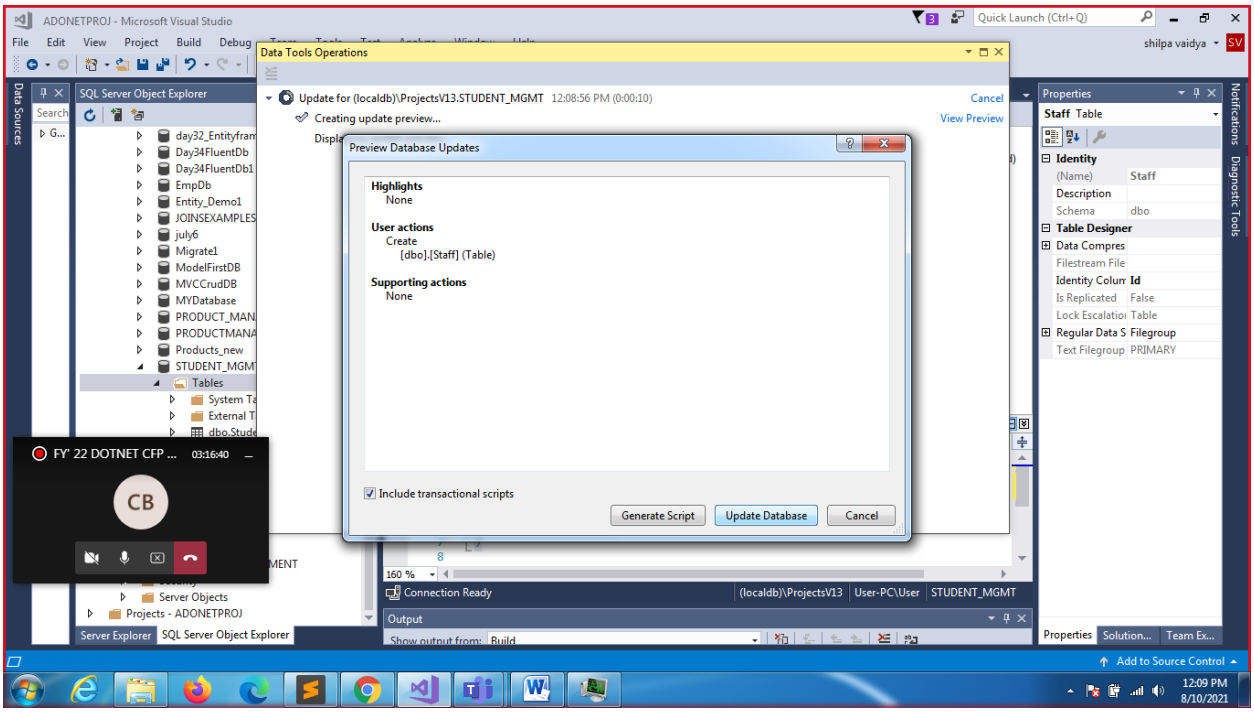


```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using ADONETPROJ.Model;

namespace ADONETPROJ
{
    public partial class SearchForm : Form
    {
        public SearchForm()
        {
            InitializeComponent();
        }

        private void SearchForm_Load(object sender, EventArgs e)
        {
            dataGridView1.Visible = false;
        }
        //search button
        private void button1_Click(object sender, EventArgs e)
        {
            int id = Convert.ToInt32(txtId.Value);
            studentLogic ob = new studentLogic();
            dataGridView1.DataSource = ob.GetSearchData(id).Tables[0];
            dataGridView1.Visible = true;

        }

        private void btnback_Click(object sender, EventArgs e)
        {
            this.Hide();
            Form1 ob = new Form1();
            ob.Show();
        }
    }
}
```

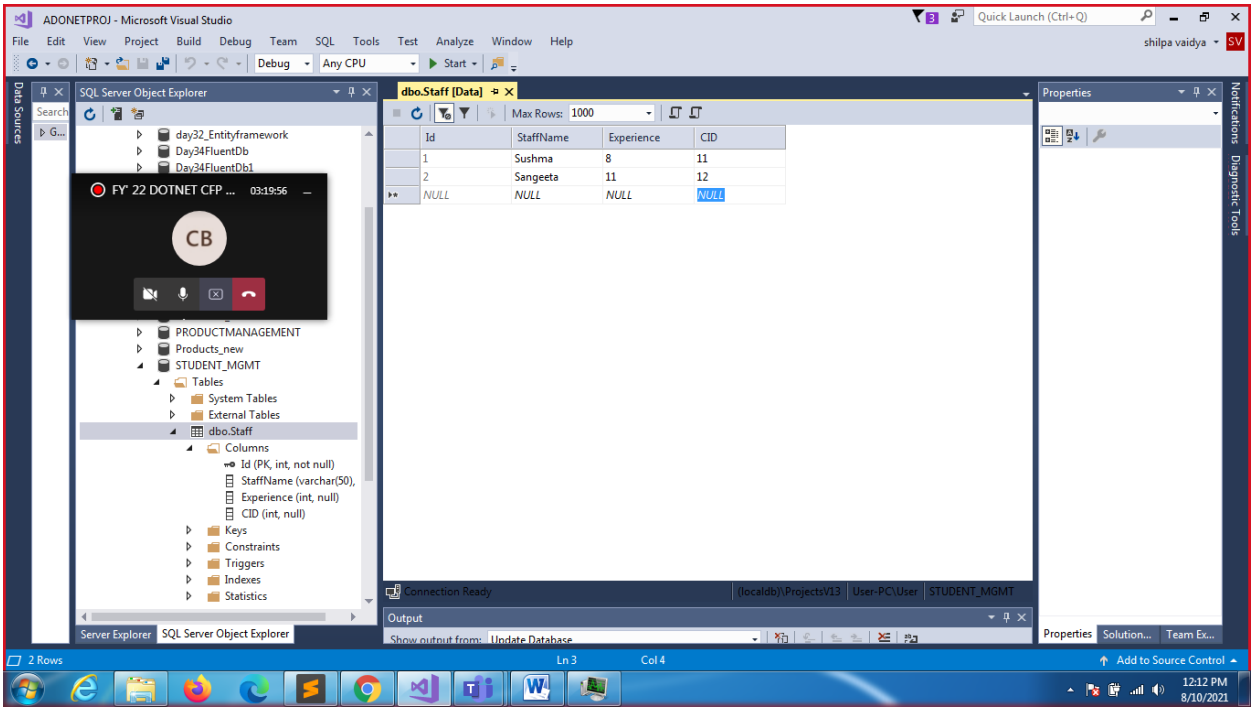
Dataadapter example 2

Create a table Staff

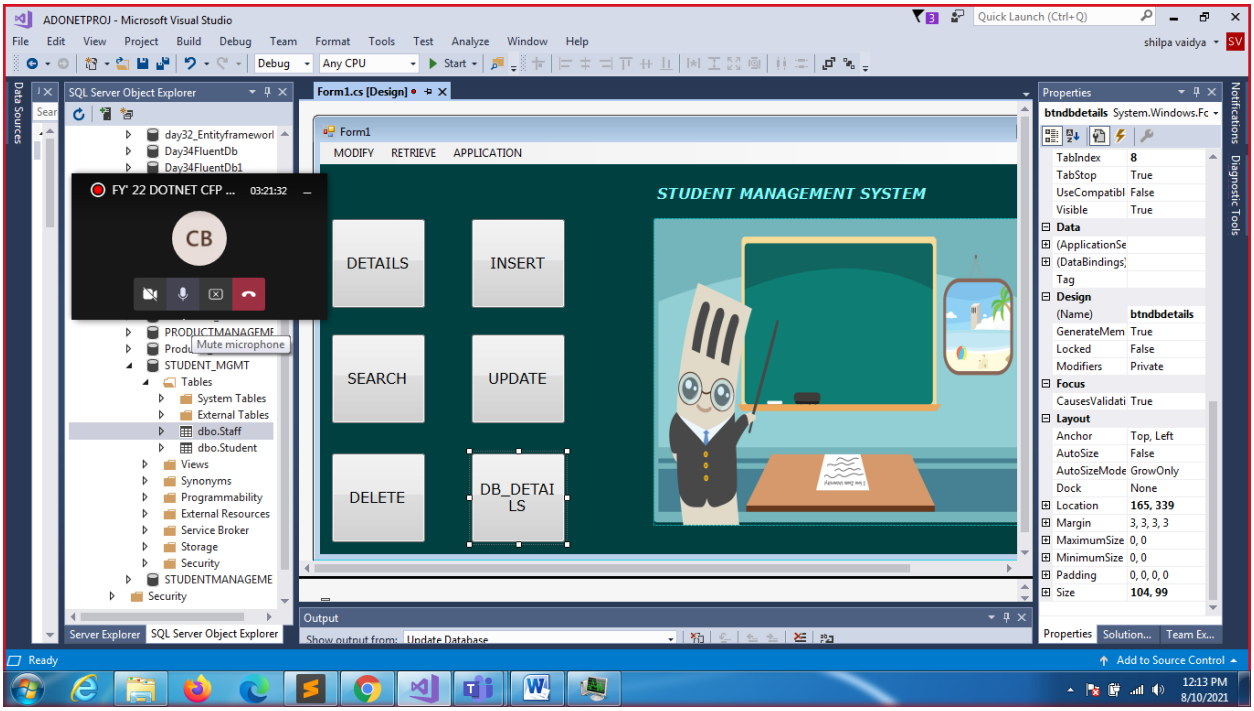




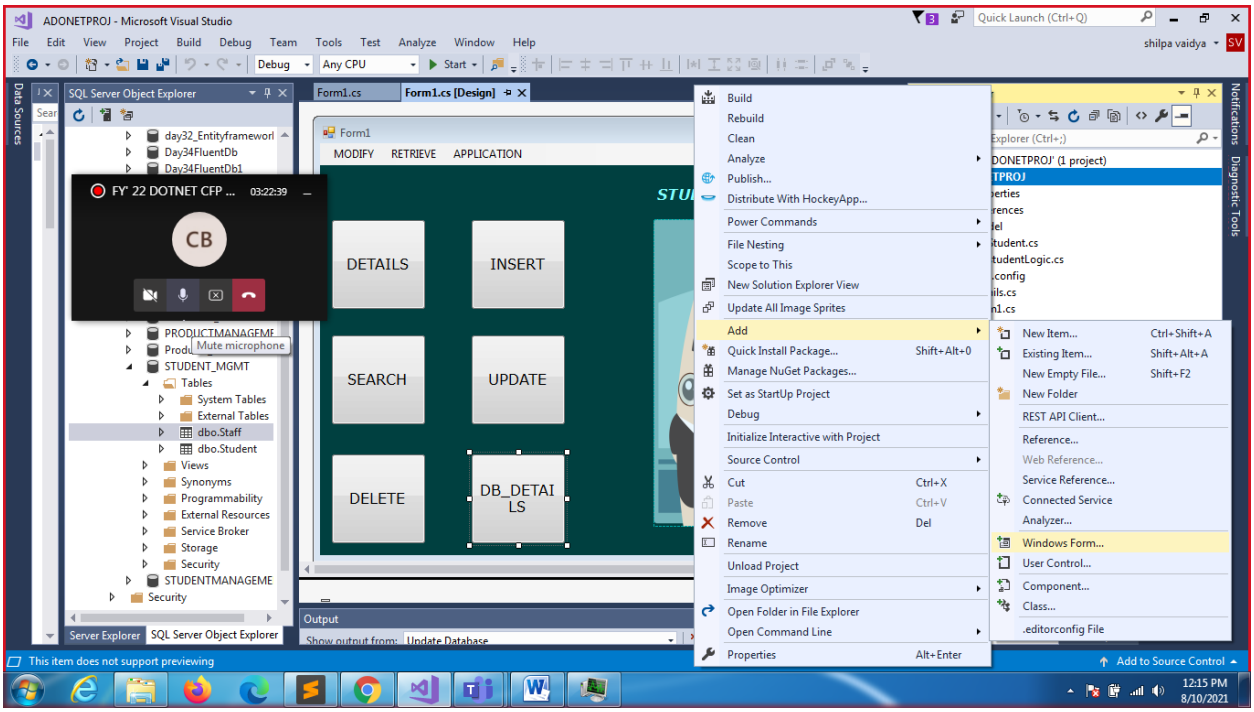
Create 2/more data for staff

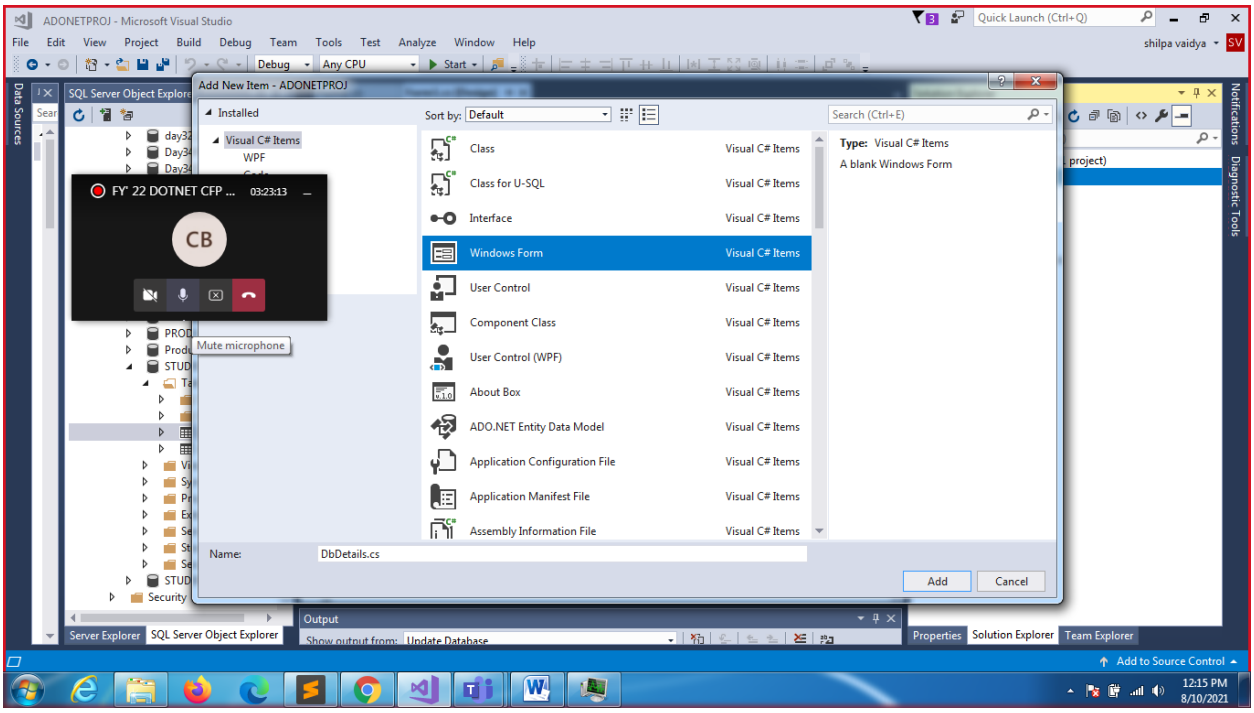


In form1(add button DB_DETAILS)



ADD DBDETAILS FORM





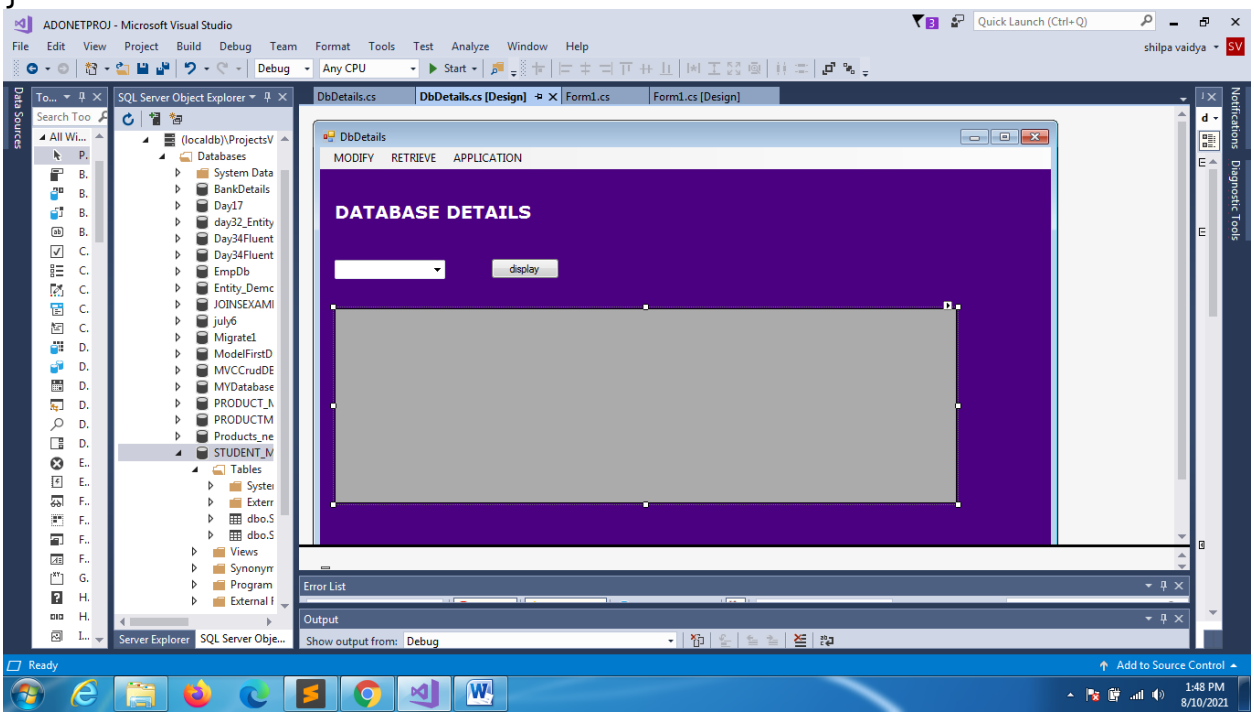
Studentlogic.cs

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

namespace ADONETPROJ.Model
{
    class studentLogic
    {
        private string connStr = ConfigurationManager.ConnectionStrings["studb"].
ConnectionString;

        public List<Student> getStudentDetails()
        {
            List<Student> li = new List<Student>();
            SqlConnection conn = new SqlConnection(connStr);

            try
            {
                conn.Open();
                string sql = "select * from Student";
                SqlCommand cmd = new SqlCommand(sql,conn);
```

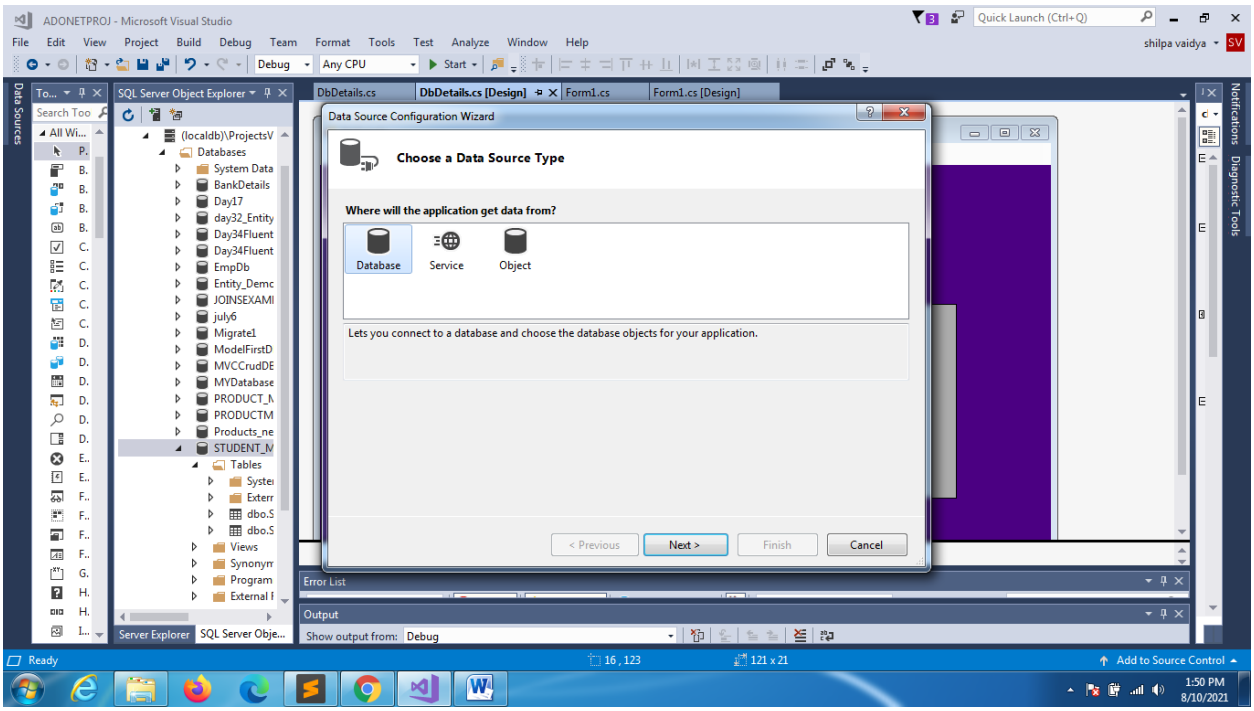
```
            SqlDataReader reader = cmd.ExecuteReader();

            while(reader.Read())
            {
                Student s = new Student();
                s.Id = Convert.ToInt32(reader.GetValue(0));
                s.Name = reader.GetValue(1).ToString();
                s.Email = reader.GetValue(2).ToString();
                s.Phone = reader.GetValue(3).ToString();
                s.Fees = float.Parse(reader.GetValue(0).ToString());
                s.Percent = float.Parse(reader.GetValue(0).ToString());
                li.Add(s);
            }
        }
        catch(Exception e)
        {
            MessageBox.Show(e.Message);
        }
        finally
        {
            conn.Close();
        }
        return li;
    }

    public string AddData(Student student)
    {
        string message = "";

        // string sql = " insert into Student(STUDENTNAME, EMAIL, PHONE, FEES
,\"PERCENT\") values('";
        // sql += student.Name + "', ' " +student.Email+ "', '"+student.Phone
 +"', " + student.Fees +","+ student.Percent + ")";


        string sql = String.Format("insert into Student(STUDENTNAME, EMAIL, P
HONE, FEES,\"PERCENT\") values('{0}','{1}','{2}',{3},{4})",student.Name,student.E
mail,student.Phone,student.Fees,student.Percent);

        SqlConnection conn = new SqlConnection(connStr);
        try
        {
            conn.Open();
            SqlCommand cmd = new SqlCommand(sql,conn);
            cmd.ExecuteNonQuery();
            message = " the record inserted successfully : " + student.ToStri
ng();
        }
        catch(Exception e)
        {
            message = e.Message;
```

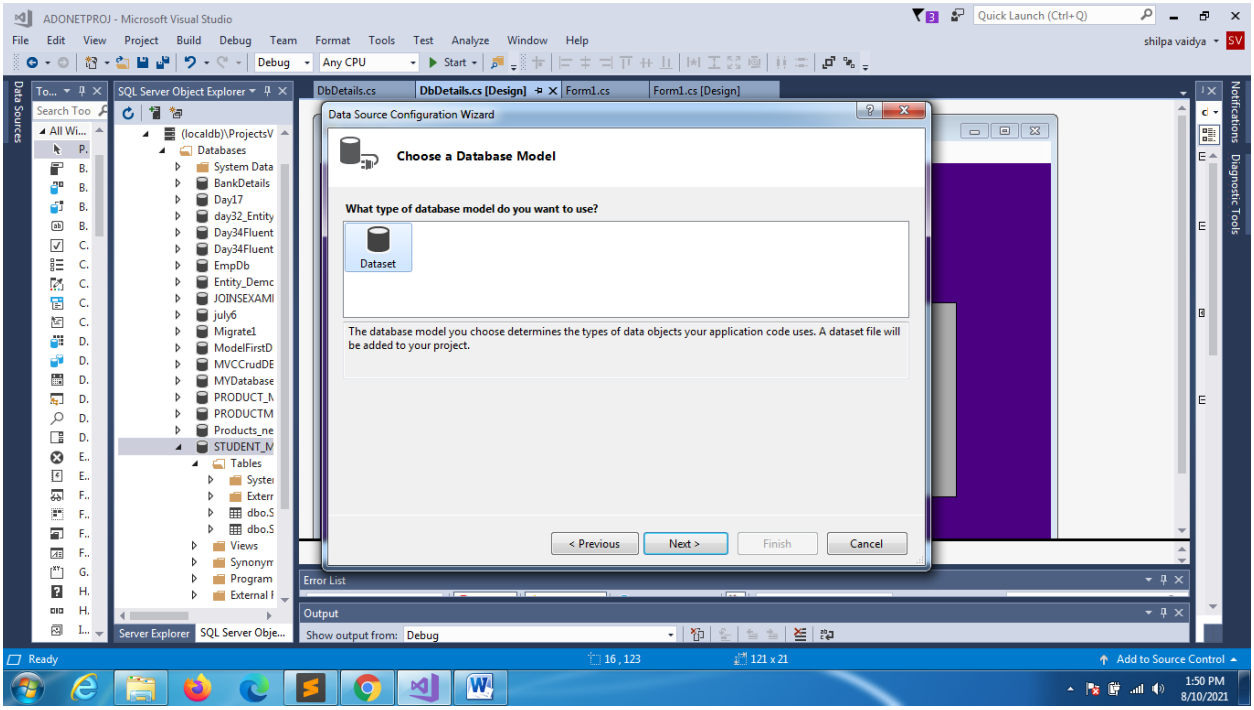
```
            }
            finally
            {
                conn.Close();
            }
            return message;
        }

        public DataSet GetSearchData(int id)
        {
            DataSet ds = new DataSet();
            SqlConnection conn = new SqlConnection(connStr);
            string sql = "select * from Student where Id="+id.ToString();

            try
            {
                conn.Open();
                SqlDataAdapter da = new SqlDataAdapter(sql, conn);
                da.Fill(ds);
            }
            catch(Exception e)
            {
                MessageBox.Show(e.Message);
            }
            finally
            {
                conn.Close();
            }
            return ds;
        }
        public DataSet getabledata()
        {
            DataSet ds = new DataSet();
            SqlConnection conn = new SqlConnection(connStr);
            string sql = "select * from sys.tables;select * from Student;select *
from Staff";

            try
            {
                conn.Open();
                SqlDataAdapter da = new SqlDataAdapter(sql, conn);
                da.Fill(ds);
            }
            catch (Exception e)
            {
                MessageBox.Show(e.Message);
            }
            finally
            {
                conn.Close();
            }
```

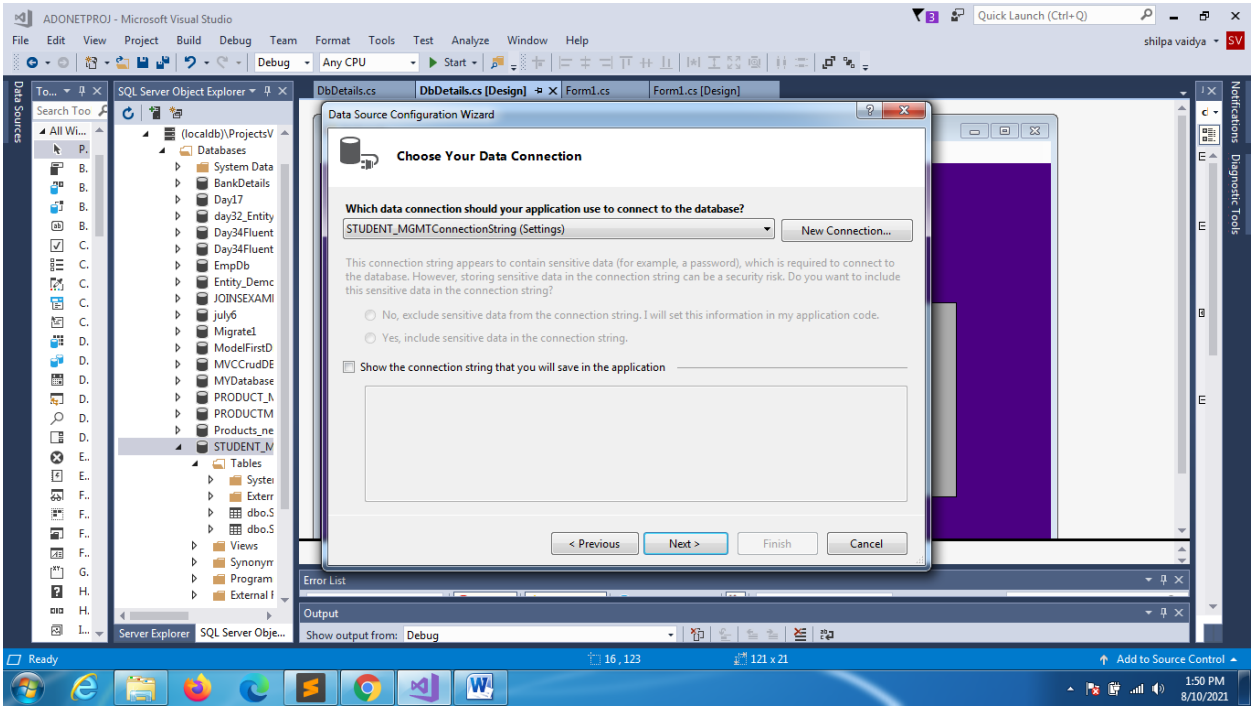
```
            return ds;
        }
    }
}
```

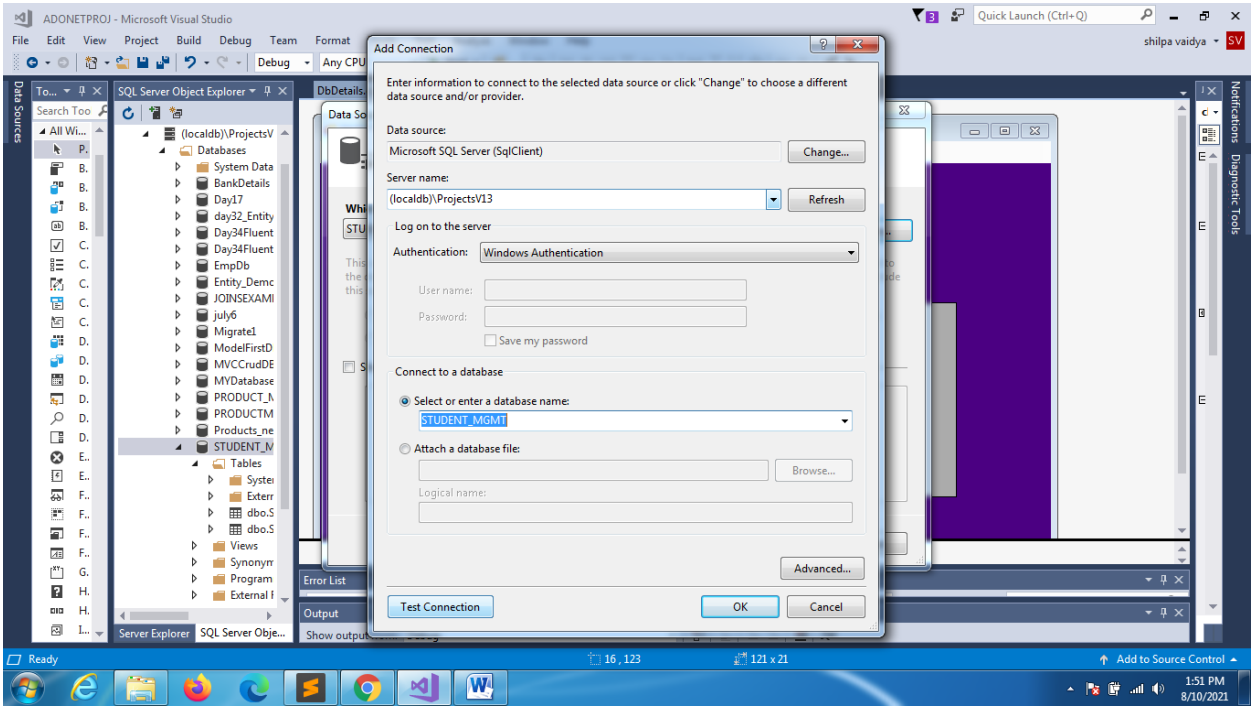


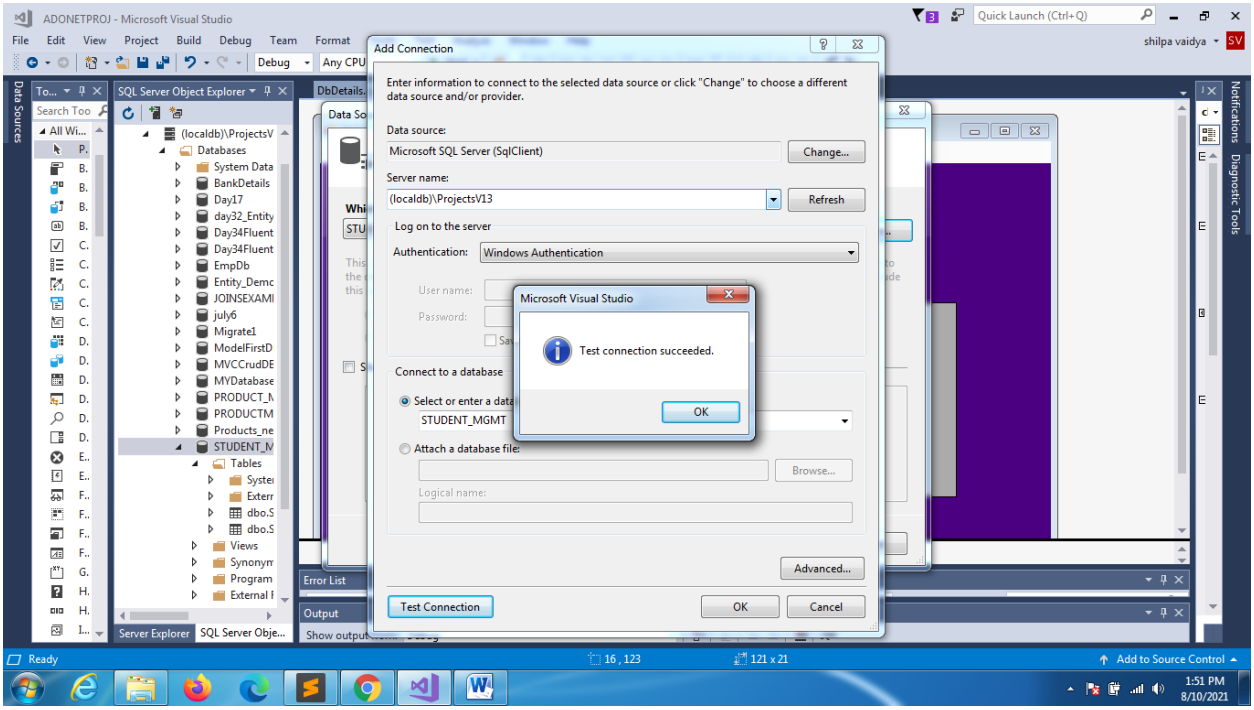
Combobox->

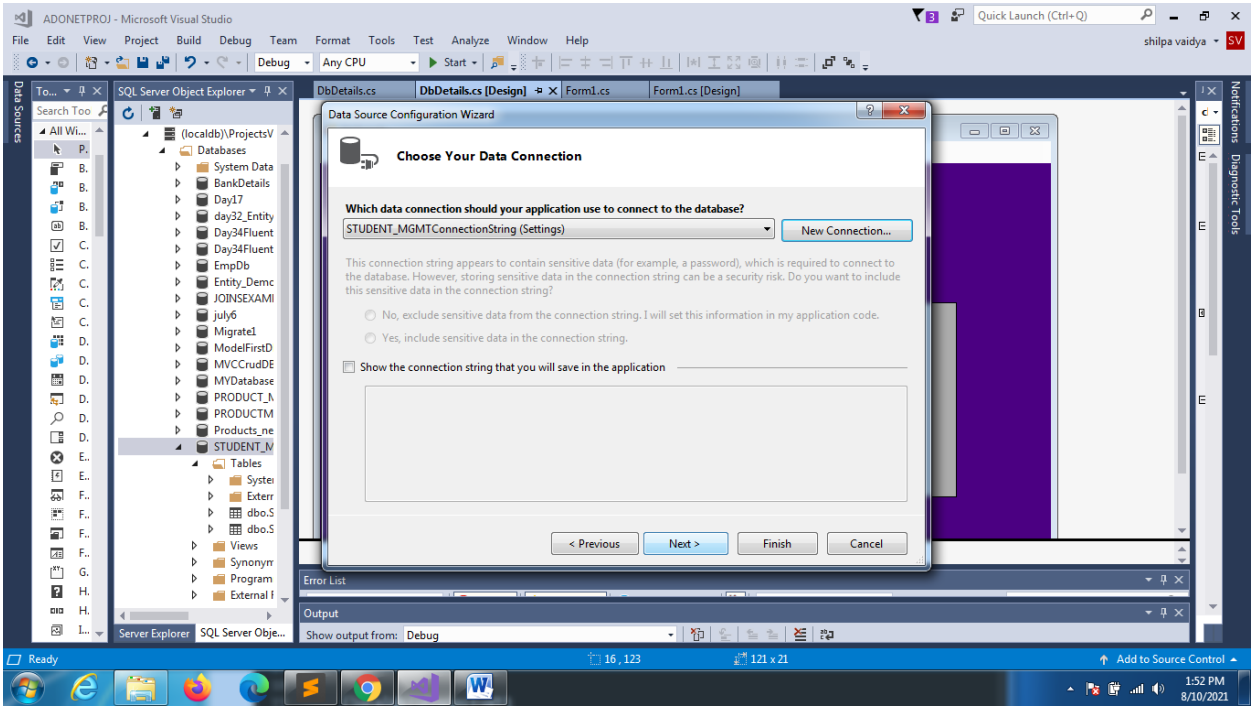


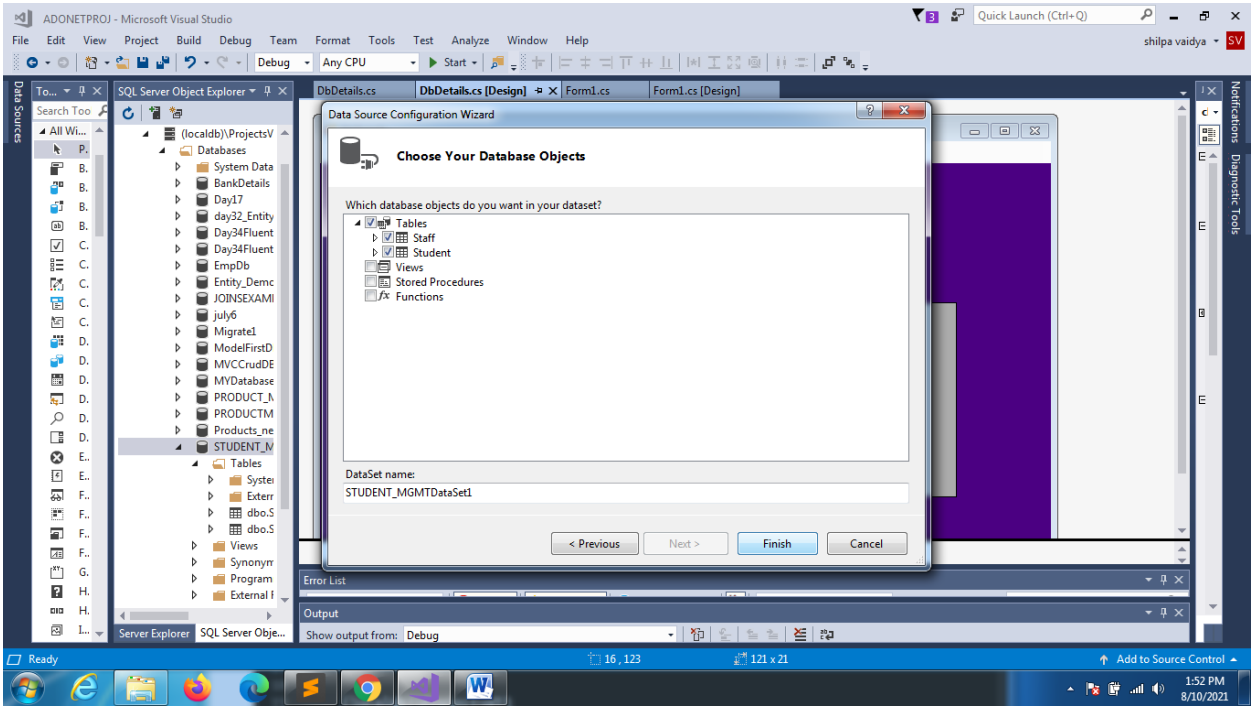

ADONETPROJ - Microsoft Visual Studio
Data Source Configuration Wizard
Choose a Database Model
What type of database model do you want to use?
Dataset
The database model you choose determines the types of data objects your application code uses. A dataset file will be added to your project.
< Previous
Next >
Finish
Cancel


ADONETPROJ - Microsoft Visual Studio
Data Source Configuration Wizard
Choose Your Data Connection
Which data connection should your application use to connect to the database?
STUDENT_MGMTConnectionString (Settings)
New Connection...
This connection string appears to contain sensitive data (for example, a password), which is required to connect to the database. However, storing sensitive data in the connection string can be a security risk. Do you want to include this sensitive data in the connection string?
No, exclude sensitive data from the connection string. I will set this information in my application code.
Yes, include sensitive data in the connection string.
Show the connection string that you will save in the application
< Previous
Next >
Finish
Cancel


ADONETPROJ - Microsoft Visual Studio
Add Connection
Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.
Data source:
Microsoft SQL Server (SqlClient)
Change...
Server name:
(localdb)\ProjectsV13
Refresh
Log on to the server
Authentication:
Windows Authentication
User name:
Password:
Save my password
Connect to a database
Select or enter a database name:
STUDENT_MGMT
Attach a database file:
Browse...
Logical name:
Advanced...
Test Connection
OK
Cancel
Ready
Add to Source Control
1:51 PM
8/10/2021


ADONETPROJ - Microsoft Visual Studio
Add Connection
Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.
Data source:
Microsoft SQL Server (SqlClient)
Change...
Server name:
(localdb)\ProjectsV13
Refresh
Log on to the server
Authentication:
Windows Authentication
Microsoft Visual Studio
Test connection succeeded.
OK
Connect to a database
STUDENT_MGMT
Attach a database file:
Browse...
Logical name:
Advanced...
Test Connection
OK
Cancel
Ready
Add to Source Control
1:51 PM
8/10/2021

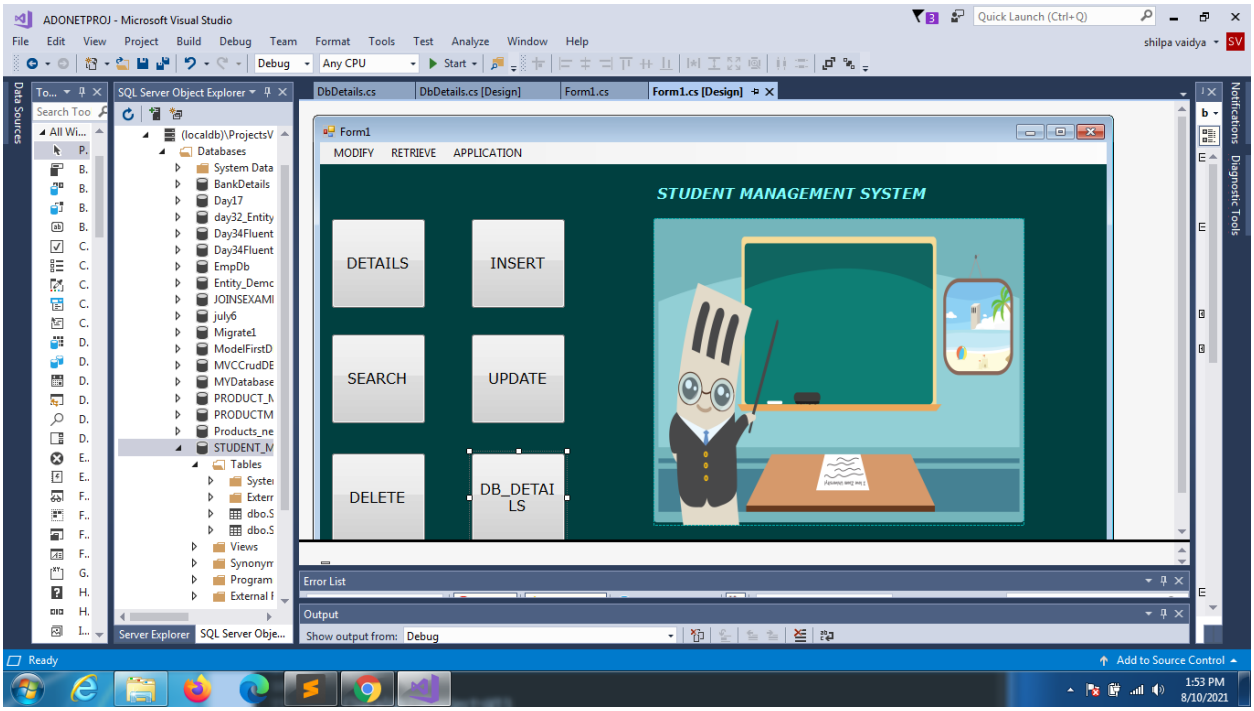





```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using ADONETPROJ.Model;

namespace ADONETPROJ
```

```
{
    public partial class DbDetails : Form
    {
        studentLogic ob = new studentLogic();
        public DbDetails()
        {
            InitializeComponent();
        }

        private void DbDetails_Load(object sender, EventArgs e)
        {

            cbtables.DataSource = ob.getabledata().Tables[0];
            cbtables.DisplayMember = "name";
        }
        //display
        private void button1_Click(object sender, EventArgs e)
        {
            int i = cbtables.SelectedIndex;
            //MessageBox.Show(i.ToString());
            i++;
            dataGridView1.DataSource = ob.getabledata().Tables[i];
        }
    }
}
```

Form1 dbdetails double click



```
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 ADONETPROJ
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        //Details button
        private void button1_Click(object sender, EventArgs e)
        {
            Details ob = new Details();
            ob.Show();
            this.Hide();
        }
        //Insert button
        private void button2_Click(object sender, EventArgs e)
        {
            InsertData ob = new InsertData();
            ob.Show();
            this.Hide();
        }
        //search button
        private void button4_Click(object sender, EventArgs e)
        {
            SearchForm ob = new SearchForm();
            ob.Show();
            this.Hide();
        }
        //DB DETAILS
        private void btndbdetails_Click(object sender, EventArgs e)
        {
            DbDetails ob = new DbDetails();
            ob.Show();
            this.Hide();
        }
    }
}
```