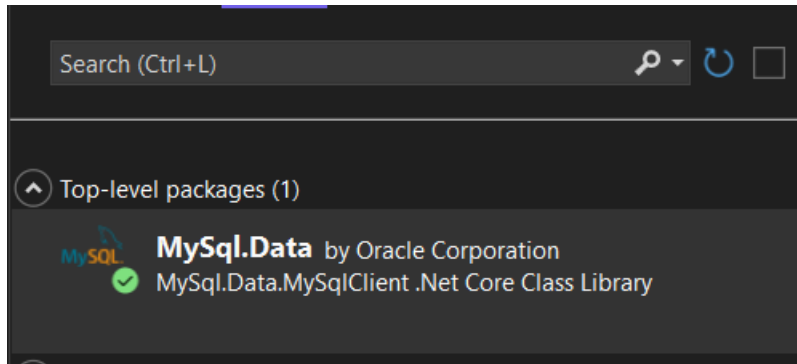
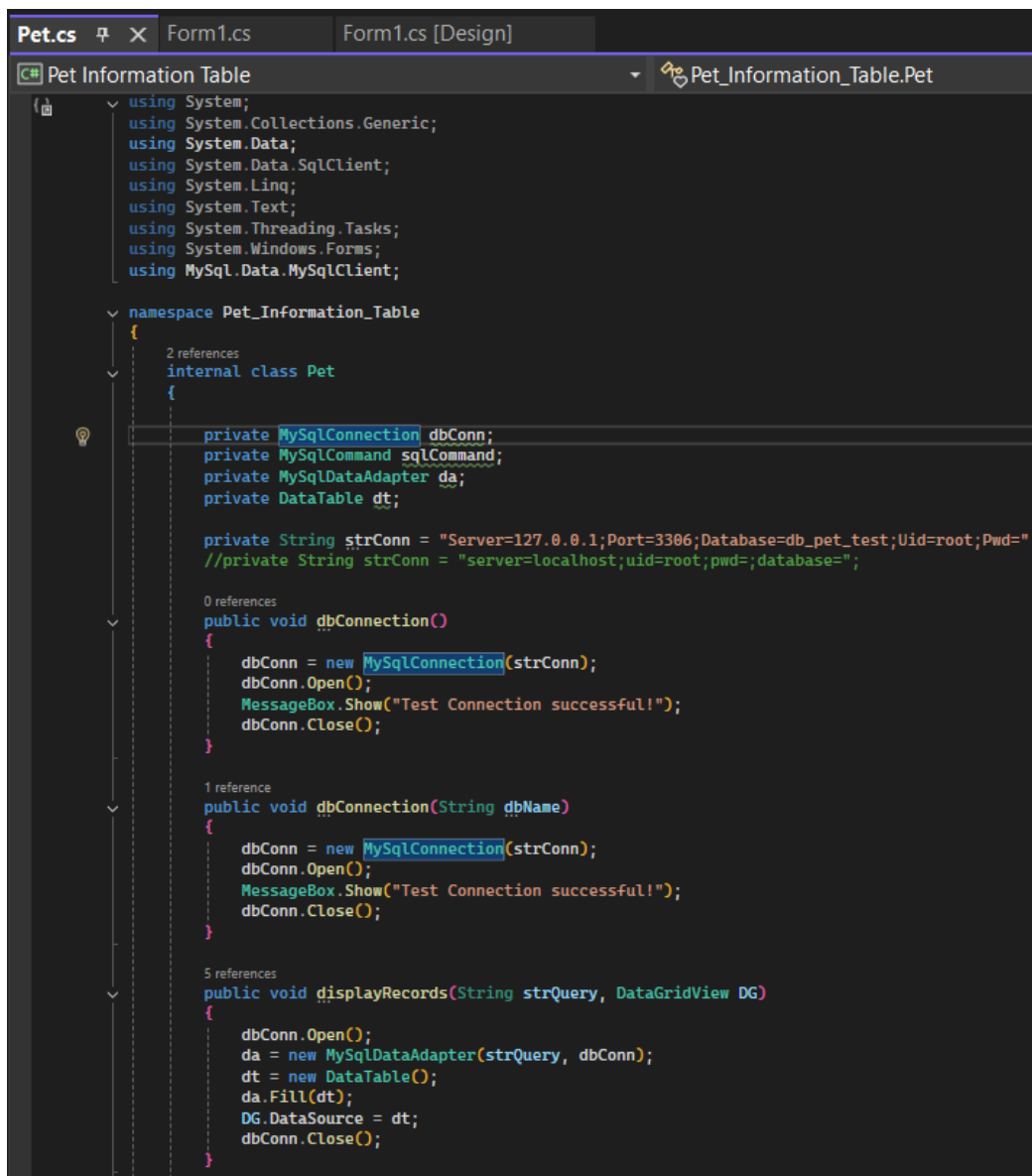


Package: NuGet Package Manager > Manage NuGet Packages for Solution



Pet class:



```

1 reference
public DataTable displayRecords(String strQuery)
{
    dbConn.Open();
    da = new MySqlDataAdapter(strQuery, dbConn);
    dt = new DataTable();
    da.Fill(dt);
    dbConn.Close();
    return dt;
}

public void SQLManager(String strQuery)
{
    dbConn.Open();
    sqlCommand = new MySqlCommand(strQuery, dbConn);
    sqlCommand.ExecuteNonQuery();
    dbConn.Close();
}
}

```

Form1.cs

```

Form1.cs  Form1.cs [Design]
Information Table  Pet_Management_System.frmPet
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 Pet_Management_System;

namespace Pet_Management_System
{
    3 references
    public partial class frmPet : Form
    {
        Pet p = new Pet();
        String sql = "";
        1 reference
        public frmPet()
        {
            InitializeComponent();
        }

        1 reference
        private void frmPet_Load(object sender, EventArgs e)
        {
            p.dbConnection("db_pet_test");
            p.displayRecords("SELECT * FROM tbl_pet", DGPet);

            cboGender.DropDownStyle = ComboBoxStyle.DropDownList;
            cboGender.Items.Add("Male");
            cboGender.Items.Add("Female");

            cboType.DropDownStyle = ComboBoxStyle.DropDownList;
            cboType.Items.Add("Dog");
            cboType.Items.Add("Cat");

            Clear();
        }

        6 references
        private void Clear()
        {
            txtID.Clear();
            txtName.Clear();
            cboGender.SelectedIndex = -1;
            cboType.SelectedIndex = -1;

            txtID.Enabled = true;
            btnAdd.Enabled = true;
            btnUpdate.Enabled = false;
            btnDelete.Enabled = false;

            int id = p.displayRecords("SELECT * FROM tbl_pet ORDER by pet_id desc ").Rows[0].Field<int>(0) + 1;
        }
    }
}

```

```

int id = p.displayRecords("SELECT * FROM tbl_pet ORDER by pet_id desc ");
txtID.Text = id.ToString();
}

1 reference
public void change()
{
    txtID.Enabled = false;
    btnAdd.Enabled = false;
    btnDelete.Enabled = true;
    btnUpdate.Enabled = true;
}

1 reference
private void btnAdd_Click(object sender, EventArgs e)
{
    sql = "INSERT INTO 'db_pet_test'.tbl_pet ('pet_id', 'pet_name', 'pet_gender', 'pet_type') VALUES (" + txtID.Text + "," + txtName.Text + "," +
        cboGender.SelectedItem + "," + cboType.SelectedItem + ")";
    p.SQLManager(sql);
    p.displayRecords("SELECT * FROM tbl_pet", DGPet);
    Clear();
}

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

private void DGPet_CellContentClick(object sender, DataGridViewCellEventArgs e) - cell click
{
    int i = e.RowIndex;
    txtID.Text = DGPet[0, i].Value.ToString();
    txtName.Text = DGPet[1, i].Value.ToString();
    cboGender.Text = DGPet[2, i].Value.ToString();
    cboType.Text = DGPet[3, i].Value.ToString();

    change();
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    sql = "UPDATE 'db_pet_test'.tbl_pet SET " + "pet_name = '" + txtName.Text + "'," + "pet_gender = '" + cboGender.SelectedItem + "'," + "pet_type = '" + cboType.SelectedItem
        + "'" + "WHERE pet_id = " + txtID.Text + ";";
    p.SQLManager(sql);
    p.displayRecords("SELECT * FROM tbl_pet", DGPet);
    Clear();
}

```

```

1 reference
private void frmPet_MouseDoubleClick(object sender, MouseEventArgs e) - Mouse Double Click
{
    Clear();
}

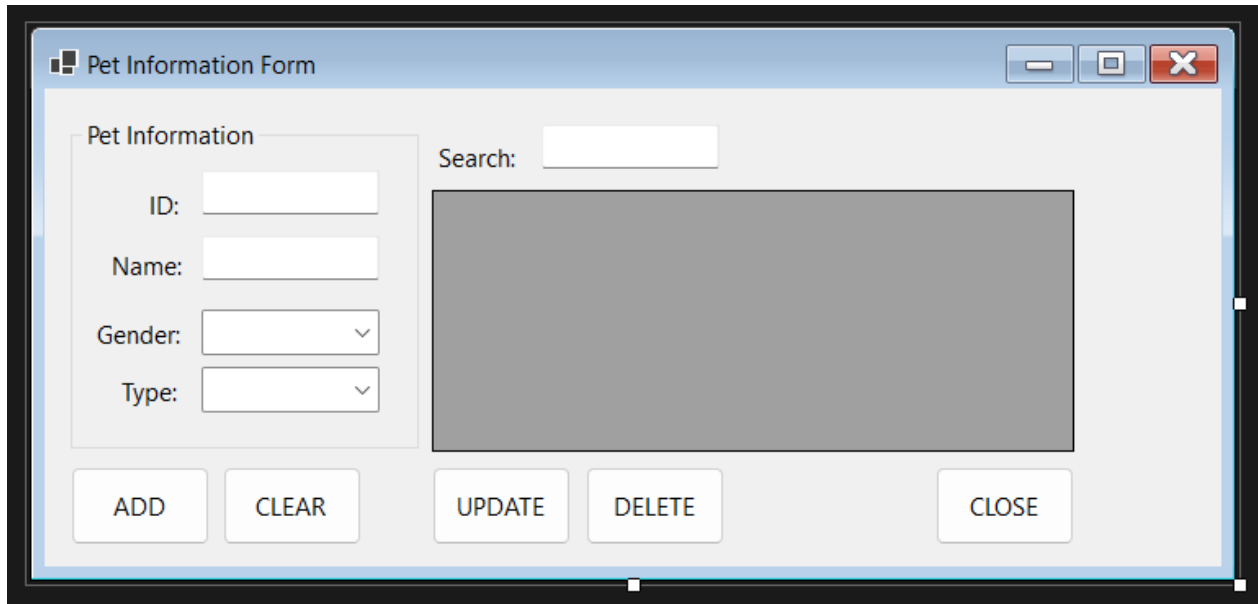
1 reference
private void btnDelete_Click(object sender, EventArgs e)
{
    sql = "DELETE FROM 'db_pet_test'.tbl_pet WHERE 'pet_id' = " + txtID.Text + ";";
    p.SQLManager(sql);
    p.displayRecords("SELECT * FROM tbl_pet", DGPet);
    Clear();
}

1 reference
private void txtSearch_TextChanged(object sender, EventArgs e)
{
    sql = $"SELECT * FROM tbl_pet WHERE pet_name LIKE '{txtSearch.Text}%'";
    p.displayRecords(sql, DGPet);
}

1 reference
private void btnClose_Click(object sender, EventArgs e)
{
    Environment.Exit(0);
}
}

```

Design:



The image shows a software window titled "Pet Information Form". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. Inside the window, the layout is as follows:

- Pet Information Section:** A light gray box on the left contains four input fields:
 - ID:
 - Name:
 - Gender: (with a dropdown arrow)
 - Type: (with a dropdown arrow)
- Search Section:** To the right of the input fields is a "Search:" label followed by a text input field.
- Display Area:** Below the search field is a large, empty gray rectangular box, likely intended for displaying search results or a list of pets.
- Action Buttons:** At the bottom of the window, there are five buttons: "ADD", "CLEAR", "UPDATE", "DELETE", and "CLOSE".