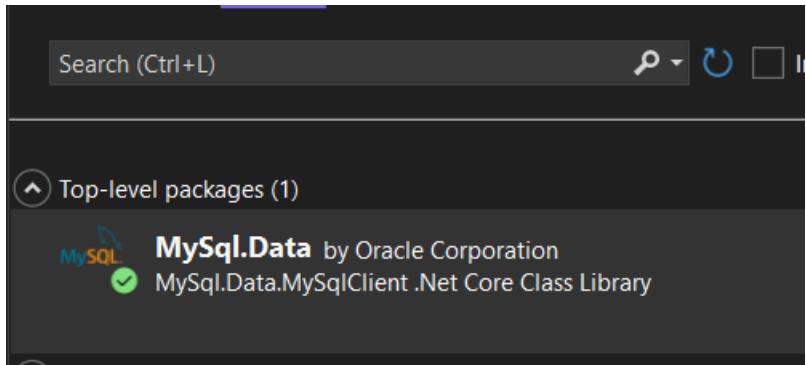


Package: NuGet Package Manager > Manage NuGet Packages for Solution



Pet class:

A screenshot of a code editor showing the "Pet.cs" file. The code defines a class named "Pet" within a namespace "Pet_Information_Table". The class contains three private fields: "dbConn", "sqlCommand", and "da". It has two public methods: "dbConnection()" and "dbConnection(String dbName)". Both methods open a MySQL connection using the provided string and show a message box indicating a successful test connection. The "dbConnection" method also takes a database name as a parameter. Finally, there is a public method "displayRecords(String strQuery, DataGridView DG)" which opens the connection, creates a data adapter, fills a data table with the query results, and sets the data source for the DataGridView. The code uses the System, System.Collections.Generic, System.Data, System.Data.SqlClient, System.Linq, System.Text, System.Threading.Tasks, and System.Windows.Forms namespaces, along with the MySql.Data.MySqlClient package.

```

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 -> X Form1.cs [Design] ▾ Pet_Management_System.frmPet

```

Information Table
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_Information_Table;

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").Rows[0].Field<int>(0) + 1;
        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();
    }

```

- Mouse Double Click

```

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

    1 reference
    private void btnDelete_Click(object sender, EventArgs e)
    {
        sql = "DELETE FROM `db_pet_test`.`tbl_pet` WHERE `pet_id` = " + txtID.Text + ";";

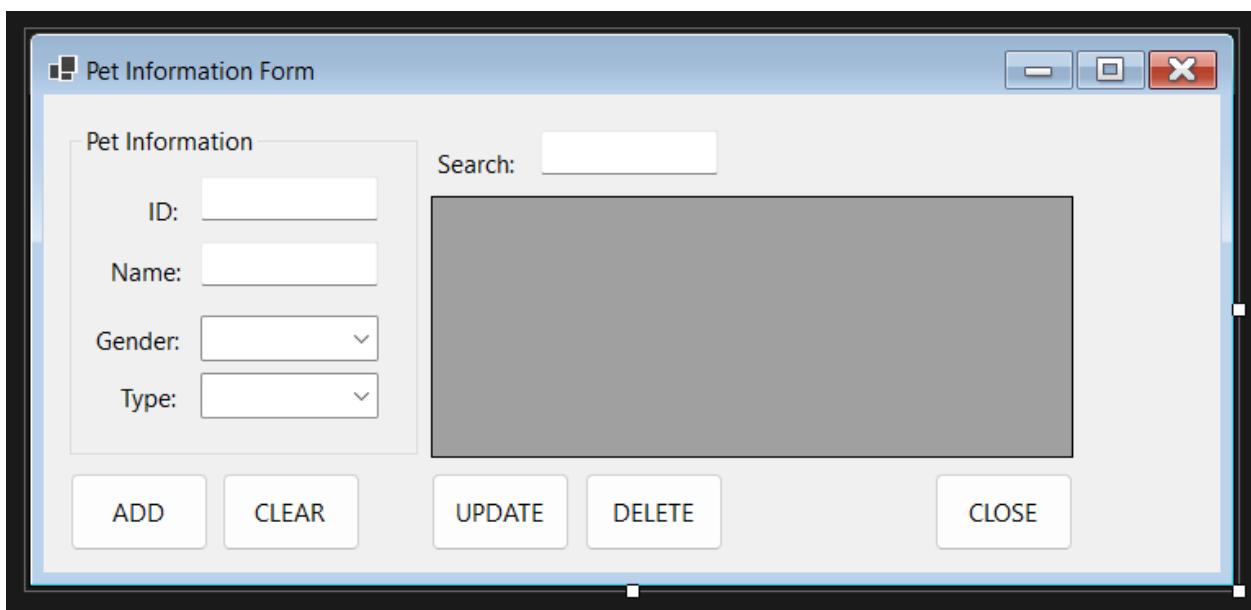
        p.SQLManager(sql);
        p.displayRecords("SELECT * FROM tbl_pet", DGPet);
        Clear();
    }

    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 Windows-style application window titled "Pet Information Form". The window has a blue header bar with standard minimize, maximize, and close buttons. The main area is titled "Pet Information" and contains four input fields: "ID:" (text box), "Name:" (text box), "Gender:" (dropdown menu), and "Type:" (dropdown menu). To the right of these fields is a search bar labeled "Search:" followed by a text input field. Below the input fields are four buttons: "ADD", "CLEAR", "UPDATE", and "DELETE". To the right of these buttons is a "CLOSE" button. The entire window is set against a black background.