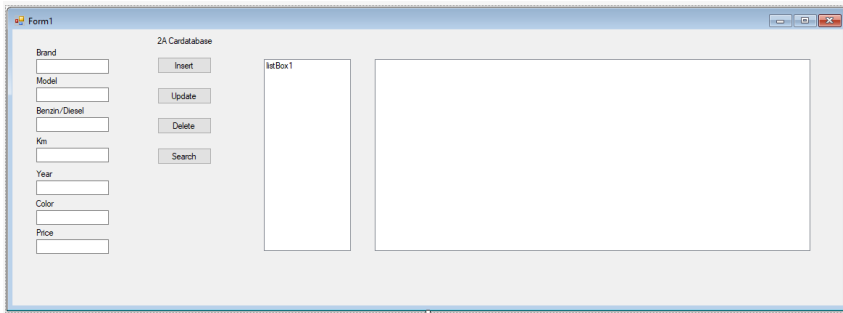


## A Cardatabase with a MySQL database



```
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.IO;
using System.Data.Odbc;

namespace _2A_win_SQL_cardb
{
    public partial class Form1 : Form
    {
        static public string sql;
        static public string constr = "dsn=jkpdsn; name=root; pwd=";
        static public OdbcConnection con;
        static public OdbcCommand cmd;
        static public OdbcDataReader rd;

        public Form1()
        {
            InitializeComponent();
            sql = "DROP TABLE cardb;";
            //dbw();
            try
            {
                sql = "CREATE TABLE cardb( ";
                sql += " id int primary key auto_increment,";
                sql += " brand varchar(30),";
                sql += " model varchar(30),";
                sql += " benzin varchar(10),";
                sql += " km int,";
                sql += " year int,";
                sql += " color varchar(30),";
                sql += " price int,";
                sql += " picture varchar(50));";
                dbw();
            }
            catch
            {
            }
            updlb();
        }
    }
}
```

```

}

private void dbw()
{
    con = new OdbcConnection(constr);
    cmd = new OdbcCommand(sql, con);
    con.Open();
    cmd.ExecuteNonQuery();
    con.Close();
}

private void dbr()
{
    con = new OdbcConnection(constr);
    cmd = new OdbcCommand(sql, con);
    con.Open();
    rd = cmd.ExecuteReader();
}

private void updlb()
{
    listBox1.Items.Clear();
    sql = "SELECT * FROM cardb ";
    dbr();
    while (rd.Read())
    {
        listBox1.Items.Add(rd["brand"].ToString());
    }
    rd.Close();
    rd.Dispose();
    con.Close();
}

private void textBox5_TextChanged(object sender, EventArgs e)
{
}

private void button1_Click(object sender, EventArgs e)
{
    // insert
    // from file
    StreamReader sr = new StreamReader("cardata.csv");
    string str;
    while ((str = sr.ReadLine()) != null)
    {
        string[] s = str.Split(';');
        sql = "INSERT INTO cardb (brand, model, benzin, km, year, color, price)
VALUES ('";
        sql += s[0]; // brand
        sql += "','";
        sql += s[1]; // model
        sql += "','";
        sql += s[2]; // benzin
        sql += "','";
        sql += s[3]; // KM
        sql += "','";
        sql += s[4]; // year
        sql += "','";
        sql += s[5]; // color
    }
}

```

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        sql += "','";
        sql += s[6]; // price
        sql += "');";
        //MessageBox.Show(sql);
        dbw();
    }
    /*
    // from textboxes
    sql = "INSERT INTO cardb (brand, model, benzin, km, year, color, price) VALUES
('";

        sql += textBox1.Text; // brand
        sql += "','";
        sql += textBox2.Text; // model
        sql += "','";
        sql += textBox3.Text; // benzin
        sql += "','";
        sql += textBox4.Text; // KM
        sql += "','";
        sql += textBox5.Text; // year
        sql += "','";
        sql += textBox6.Text; // color
        sql += "','";
        sql += textBox7.Text; // price
        sql += "');";
        //MessageBox.Show(sql);
        dbw();
    */
    updlb();
}

private void listBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    // select in listbox
    sql = "SELECT * FROM cardb WHERE id =";
    sql += (listBox1.SelectedIndex+1).ToString();
    sql += "';";
    dbr();
    while (rd.Read())
    {
        textBox1.Text = rd["brand"].ToString();
        textBox2.Text = rd["model"].ToString();
        textBox3.Text = rd["benzin"].ToString();
        textBox4.Text = rd["km"].ToString();
        textBox5.Text = rd["year"].ToString();
        textBox6.Text = rd["color"].ToString();
        textBox7.Text = rd["price"].ToString();
    }
    rd.Close();
    rd.Dispose();
    con.Close();
}

private void button2_Click(object sender, EventArgs e)
{
    // update
    sql = "UPDATE cardb set";
    sql += " brand = '";
    sql += textBox1.Text;
    sql += "',' model = '";

```

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sql += textBox2.Text;
sql += "', benzin = '";
sql += textBox3.Text;
sql += "', km = ";
sql += textBox4.Text;
sql += ", year = ";
sql += textBox5.Text;
sql += ", color = '";
sql += textBox6.Text;
sql += "', price = ";
sql += textBox7.Text;
sql += " WHERE id = ";
sql += (listBox1.SelectedIndex + 1).ToString();
sql += ";";
dbw();
textBox1.Text = "";
textBox2.Text = "";
textBox3.Text = "";
textBox4.Text = "";
textBox5.Text = "";
textBox6.Text = "";
textBox7.Text = "";
updlb();
}

private void button3_Click(object sender, EventArgs e)
{
    // delete
    sql = "DELETE FROM cardb WHERE id = ";
    sql += (listBox1.SelectedIndex + 1).ToString();
    sql += ";";
    dbw();
    textBox1.Text = "";
    textBox2.Text = "";
    textBox3.Text = "";
    textBox4.Text = "";
    textBox5.Text = "";
    textBox6.Text = "";
    textBox7.Text = "";
    updlb();
}

private void button4_Click(object sender, EventArgs e)
{
    // search

    listView1.View = View.Details;
    //listView1.AutoSizeColumns(ColumnHeaderAutoSizeStyle.HeaderSize);
    //listView1.AutoSizeColumns(ColumnHeaderAutoSizeStyle.ColumnContent);

    listView1.Columns.Add("Brand ");
    listView1.Columns.Add("Model ");
    listView1.Columns.Add("Benzin");
    listView1.Columns.Add("Km");
    listView1.Columns.Add("Year");
    listView1.Columns.Add("Color");
    listView1.Columns.Add("Price");
}

```

```

if (textBox1.Text != "")
{
    listBox1.Items.Clear();
    sql = "SELECT * FROM cardb WHERE brand = '";
    sql += textBox1.Text;
    sql += "' ORDER BY price;";
}
if (textBox2.Text != "")
{
    listBox1.Items.Clear();
    sql = "SELECT * FROM cardb WHERE model = '";
    sql += textBox2.Text;
    sql += "' ORDER BY price;";
}
if (textBox3.Text != "")
{
    listBox1.Items.Clear();
    sql = "SELECT * FROM cardb WHERE benzin = '";
    sql += textBox3.Text;
    sql += "' ORDER BY price;";
}
if (textBox1.Text != "")
{
    listBox1.Items.Clear();
    sql = "SELECT * FROM cardb WHERE brand = '";
    sql += textBox1.Text;
    sql += "';";
}
if (textBox1.Text != "")
{
    listBox1.Items.Clear();
    sql = "SELECT * FROM cardb WHERE brand = '";
    sql += textBox1.Text;
    sql += "';";
}
dbr();
while (rd.Read())
{
    listBox1.Items.Add(rd["brand"].ToString());
    Color text = Color.Black;
    Color bg = Color.Aqua;
    Font font = new Font("Verdana", 10, FontStyle.Bold);

    ListViewItem lvi = new ListViewItem(rd["brand"].ToString());
    lvi.UseItemStyleForSubItems = false;

    //Color text = Color.Black;
    //Color bg = Color.Aqua;
    //Font font = new Font("Verdana", 10, FontStyle.Bold);

    lvi.SubItems.Add(rd["model"].ToString(), text, bg, font);
    lvi.SubItems.Add(rd["benzin"].ToString(), text, bg, font);
    lvi.SubItems.Add(rd["km"].ToString(), text, bg, font);
    lvi.SubItems.Add(rd["year"].ToString(), text, bg, font);
    lvi.SubItems.Add(rd["color"].ToString(), text, bg, font);
    lvi.SubItems.Add(rd["price"].ToString(), text, bg, font);
    listView1.Items.Add(lvi);
}

```

```
rd.Close();  
rd.Dispose();  
con.Close();
```

```
}  
}  
}
```