The Easy Way to Search Data in ListView Using C# and MS Access Database

In this tutorial, I will teach you <strong>how to search for data in the listview with ease by using MS Access database and C#</strong>. This <strong>method is the easiest way to retrieve data in the database and display it into the listview</strong>. It also has an <strong>automatic searching of data in the listview</strong>. This technique is very useful for you when you are a beginner in this field.

<h3>Creating Application</h3>

<h2>Step 1</h2>

Open <strong>Microsoft Visual Studio 2015 </strong>and create a new windows form application for c#.

<img src="https://www.sourcecodester.com/sites/default/files/creating\_application\_c\_3.png" width="600" height="400" alt="ps1" />

<h2>Step 2</h2>

Do the form just like shown below.

<img src="https://www.sourcecodester.com/sites/default/files/2019-03-23.png" width="600" height="400" alt="ps2" />

<h2>Step 3</h2>

Press F7 to open the code editor. In the code editor, add a namespace to access <code>OleDB </code>libraries

<csharp>

using System.Data.OleDb;

</csharp>

<h2>Step 4</h2>

Establish a<strong> connection between C# and MS access database</strong>. After that, declare all the classes that are needed.

<csharp>

OleDbConnection con = new OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=" + Application.StartupPath + "/persondb.accdb");

OleDbCommand cmd;

OleDbDataAdapter da;

DataTable dt;

string sql;

</csharp>

<h2>Step 5</h2>

Create a method for retrieving data in the database.

<csharp>

private void load\_data(string sql,ListView lst)

{

try

{

con.Open();

cmd = new OleDbCommand();

da = new OleDbDataAdapter();

dt = new DataTable();

cmd.Connection = con;

cmd.CommandText = sql;

da.SelectCommand = cmd;

da.Fill(dt);

lst.Items.Clear();

foreach (DataRow r in dt.Rows)

{

var list = lst.Items.Add(r.Field<string>(1).ToString());

list.SubItems.Add(r.Field<string>(2).ToString());

list.SubItems.Add(r.Field<string>(3).ToString());

}

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

finally

{

con.Close();

da.Dispose();

}

}

</csharp>

<h2>Step 6</h2>

Write the following codes to display the data into the <strong>ListView </strong>in the first load of the form.

<csharp>

private void Form1\_Load(object sender, EventArgs e)

{

sql = "SELECT \* FROM tblperson";

load\_data(sql, listView1);

}

</csharp>

<h2>Step 7</h2>

Write the following codes for searching data in the <strong>ListView</strong>.

<csharp>

private void textBox1\_TextChanged(object sender, EventArgs e)

{

sql = "SELECT \* FROM tblperson WHERE Name LIKE '%" + textBox1.Text + "%'";

load\_data(sql, listView1);

}

</csharp>

The complete source code is included you can download it and run it on your computer.

For any questions about this article. You can contact me @

Email – jannopalacios@gmail.com

Mobile No. – 09305235027 – TNT

Or feel free to comment below.