

Urgent ??? – Update Data Source

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I'm facing problem to update the data source after I make changes to the data table. I try to call `DataAdapter.Update()` to transmit the changes cached in `DataSet` to the database, but it didn't work ???

Can any one help me ??? Bekow are the full program can anyone please kind to check for me, I've been try to solve this problems more than 5 days

Thankssssss...very.....very much

```
using System;
using System.Drawing;
using System.Collections;
using System.ComponentModel;
using System.Windows.Forms;
using System.IO;
using System.Data;
using System.Text;
using System.Data.SqlServerCe;
using System.Data.Common;

namespace UpdateDB
{
    public class Form1 : System.Windows.Forms.Form
    {
        private System.Windows.Forms.Button btnRetrieve;
        private System.Windows.Forms.Button btnUpdate;
        private System.Windows.Forms.TextBox txtTask;
        private System.Windows.Forms.TextBox txtTime;
        private System.Windows.Forms.TextBox txtDate;
        private System.Windows.Forms.MainMenu mainMenu1;
        private System.Windows.Forms.Button btnShow;
        private System.Windows.Forms.DataGrid g1;
        SqlCeCommand cmdSelect = new SqlCeCommand();
        SqlCeCommand cmdUpdate = new SqlCeCommand();
        SqlCeCommand cmdInsert = new SqlCeCommand();
        SqlCeCommand cmdDelete = new SqlCeCommand();
        SqlCeParameter prm = new SqlCeParameter();
        SqlCeConnection cnn = new SqlCeConnection(cn);
    }
}
```

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```
SqlCeDataAdapter da = new SqlCeDataAdapter();
static string cn = @"Data Source = \My Documents\MSFA.sdf";
string str = "Schedule Data\nDate: {0}\nTime: {1}\nTask: {2}";
DataTable dt;
DataSet ds;

public Form1()
{
    InitializeComponent();
}

protected override void Dispose( bool disposing )
{
    base.Dispose( disposing );
}
#region Windows Form Designer generated code
/// <summary>
/// Required method for Designer support – do not modify
/// the contents of this method with the code editor.
/// </summary>
private void InitializeComponent()
{
    this.mainMenu1 = new System.Windows.Forms.MainMenu();
    this.btnRetrieve = new System.Windows.Forms.Button();
    this.btnUpdate = new System.Windows.Forms.Button();
    this.txtTask = new System.Windows.Forms.TextBox();
    this.txtTime = new System.Windows.Forms.TextBox();
    this.txtDate = new System.Windows.Forms.TextBox();
    this.g1 = new System.Windows.Forms.DataGrid();
    this.btnShow = new System.Windows.Forms.Button();
    //
    // btnRetrieve
    //
    this.btnRetrieve.Location = new System.Drawing.Point(30, 248);
    this.btnRetrieve.Text = "select";
    this.btnRetrieve.Click += new System.EventHandler(this.btnRetrieve_Click);
    //
    // btnUpdate
    //
    this.btnUpdate.Location = new System.Drawing.Point(126, 248);
    this.btnUpdate.Text = "Update";
    this.btnUpdate.Click += new System.EventHandler(this.btnUpdate_Click);
    //
    // txtTask
    //
    this.txtTask.Location = new System.Drawing.Point(6, 184);
    this.txtTask.Size = new System.Drawing.Size(224, 22);
    this.txtTask.Text = "";
    //
    // txtTime
    //
```

```

        this.txtTime.Location = new System.Drawing.Point(134, 152);
        this.txtTime.Text = "";
        //
        // txtDate
        //
        this.txtDate.Location = new System.Drawing.Point(6, 152);
        this.txtDate.Text = "";
        //
        // g1
        //
        this.g1.Size = new System.Drawing.Size(240, 112);
        this.g1.Text = "g1";
        //
        // btnShow
        //
        this.btnShow.Location = new System.Drawing.Point(32, 216);
        this.btnShow.Text = "show";
        this.btnShow.Click += new System.EventHandler(this.btnShow_Click);
        //
        // Form1
        //
        this.Controls.Add(this.btnShow);
        this.Controls.Add(this.g1);
        this.Controls.Add(this.btnRetrieve);
        this.Controls.Add(this.btnUpdate);
        this.Controls.Add(this.txtTask);
        this.Controls.Add(this.txtTime);
        this.Controls.Add(this.txtDate);
        this.Menu = this.mainMenu1;
        this.Text = "Form1";
        this.Load += new System.EventHandler(this.Form1_Load);
    }
#endregion

static void Main()
{
    Application.Run(new Form1());
}

private void btnUpdate_Click(object sender, System.EventArgs e)
{
    try
    {
        cmdSelect = cnn.CreateCommand();
        cmdSelect.CommandText = "SELECT * FROM Schedule";
        da.SelectCommand = cmdSelect;

        cmdUpdate = cnn.CreateCommand();
        cmdUpdate.CommandText = "UPDATE Schedule" +
            "SET DATE = ?,Time = ?, Task = ?" +

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        "WHERE Date = ? AND Time = ? AND Task = ? ";
        SqlCeParameterCollection pc = cmdUpdate.Parameters;
        pc.Add("Date_New", SqlDbType.NVarChar,15, "Date");
        pc.Add("Time_New", SqlDbType.NVarChar,15, "Time");
        pc.Add("Task_New", SqlDbType.NVarChar,15, "Task");

        prm = cmdUpdate.Parameters.Add("Date_Orig", SqlDbType.NVarChar, 15, "Date");
        prm = cmdUpdate.Parameters.Add("Time_Orig", SqlDbType.NVarChar, 15, "Time");
        prm = cmdUpdate.Parameters.Add("Task_Orig", SqlDbType.NVarChar, 15, "Task");
        prm.SourceVersion = DataRowVersion.Original;
        da.UpdateCommand = cmdUpdate;

        cmdDelete = cnn.CreateCommand();
        cmdDelete.CommandText = "DELETE FROM Schedule WHERE Date = ? AND Time =
? AND Task = ? ";
        prm = cmdDelete.Parameters.Add("Date", SqlDbType.NVarChar, 15, "Date");
        prm = cmdDelete.Parameters.Add("Time", SqlDbType.NVarChar, 15, "Time");
        prm = cmdDelete.Parameters.Add("Task", SqlDbType.NVarChar, 15, "Task");
        prm.SourceVersion = DataRowVersion.Original;
        da.DeleteCommand = cmdDelete;

        cmdInsert = cnn.CreateCommand();
        cmdInsert.CommandText = "INSERT INTO Schedule(Date, Time, Task) " +
            "VALUES(?, ?, ?)";
        prm = cmdInsert.Parameters.Add("Date", SqlDbType.NVarChar, 15, "Date");
        prm = cmdInsert.Parameters.Add("Time", SqlDbType.NVarChar, 15, "Time");
        prm = cmdInsert.Parameters.Add("Task", SqlDbType.NVarChar, 15, "Task");
        da.InsertCommand = cmdInsert;
    }

    catch (SqlCeException)
    {
    }
}

private void btnShow_Click(object sender, System.EventArgs e)
{
    try
    {
        da.Update(ds, "Schedule");
    }

    catch (SqlCeException){ }

}

private void Form1_Load(object sender, System.EventArgs e)
{
    SqlCeConnection conn = null;
    try
    {

```

```
if (! File.Exists (@"\My Documents\MSFA.sdf"))
{
    SqlCeEngine engine = new SqlCeEngine (
        @"Data Source = \My Documents\MSFA.sdf");
    engine.CreateDatabase();
}

conn = new SqlCeConnection (@"Data Source = \My Documents\MSFA.sdf");
conn.Open();

SqlCeCommand cmd = conn.CreateCommand();

cmd.CommandText =
    "CREATE TABLE Schedule (Date NVARCHAR(15), Time NVARCHAR(15), Task
NVARCHAR(15))";
cmd.ExecuteNonQuery();

cmd.CommandText =
    "INSERT INTO Schedule (Date, Time, Task)" +
    "VALUES ('3/18/2004', '08.00 am', 'Do BCP)";
cmd.ExecuteNonQuery();

cmd.CommandText =
    "INSERT INTO Schedule (Date, Time, Task)" +
    "VALUES ('3/18/2004', '08.30 am', 'Sleep)";
cmd.ExecuteNonQuery();

cmd.CommandText =
    "INSERT INTO Schedule (Date, Time, Task)" +
    "VALUES ('3/19/2004', '09.00 am', 'Do)";
cmd.ExecuteNonQuery();

}

catch (SqlCeException){ }

finally
{
    if (conn.State == ConnectionState.Open)
        conn.Close();
}

string cn = @"Data Source = \My Documents\MSFA.sdf";

using(SqlCeConnection cn1 = new SqlCeConnection(cn))
{
    cn1.Open();
    string select = "SELECT * FROM Schedule";
    SqlCeDataAdapter da = new SqlCeDataAdapter();
```

```

        da.MissingMappingAction = MissingMappingAction.Passthrough;
        da.MissingSchemaAction = MissingSchemaAction.Add;
        da.SelectCommand = new SqlCommand(select, cn1);

        ds = new DataSet();
        da.Fill(ds, "Schedule");
        dt = ds.Tables["Schedule"];
        g1.DataSource = dt;
        txtDate.DataBindings.Clear();
        txtDate.DataBindings.Add("Text", dt, "Date");
        txtTime.DataBindings.Clear();
        txtTime.DataBindings.Add("Text", dt, "Time");
        txtTask.DataBindings.Clear();
        txtTask.DataBindings.Add("Text", dt, "Task");
    }
}

private void btnRetrieve_Click(object sender, System.EventArgs e)
{
    SqlConnection conn = null;
    SqlCommand comm = null;
    using( conn = new SqlConnection(cn))
    {
        conn.Open();
        string q4 = "SELECT * FROM Schedule";
        SqlDataReader dr = null;
        try
        {
            comm = new SqlCommand(q4, conn);
            comm.CommandType = CommandType.Text;
            dr = comm.ExecuteReader(CommandBehavior.Default);

            while(dr.Read())
            {
                dr.GetString(2));
                MessageBox.Show(string.Format(str, dr.GetString(0),dr.GetString(1),
            }
        }
        catch (SqlCeException) {}

        finally
        {
            if (comm != null)
                comm.Dispose();

            if (dr != null)
                dr.Close();
        }
    }
}

```

```
}  
  }  
}
```