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/* Generated by VB & C#.NET Class Generator v2.0 */

using System;
using System.Data;
using System.Data.SqlClient;

namespace Northwind
{
    public class Customers
    {

#region ConnectionString

        public static string ConnectionString = string.Empty;

#endregion

#region Declarations

        private string _CustomerID = string.Empty;
        private string _CompanyName = string.Empty;
        private string _ContactName = string.Empty;
        private string _ContactTitle = string.Empty;
        private string _Address = string.Empty;
        private string _City = string.Empty;
        private string _Region = string.Empty;
        private string _PostalCode = string.Empty;
        private string _Country = string.Empty;
        private string _Phone = string.Empty;
        private string _Fax = string.Empty;
        private bool _found;

#endregion

#region Properties

        public string CustomerID
        {
            get { return _CustomerID; }
            set { _CustomerID = value; }
        }

        public string CompanyName
        {
            get { return _CompanyName; }
            set { _CompanyName = value; }
        }

        public string ContactName
        {
            get { return _ContactName; }
            set { _ContactName = value; }
        }
    }
}
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}

public string ContactTitle
{
    get { return _ContactTitle; }
    set { _ContactTitle = value; }
}

public string Address
{
    get { return _Address; }
    set { _Address = value; }
}

public string City
{
    get { return _City; }
    set { _City = value; }
}

public string Region
{
    get { return _Region; }
    set { _Region = value; }
}

public string PostalCode
{
    get { return _PostalCode; }
    set { _PostalCode = value; }
}

public string Country
{
    get { return _Country; }
    set { _Country = value; }
}

public string Phone
{
    get { return _Phone; }
    set { _Phone = value; }
}

public string Fax
{
    get { return _Fax; }
    set { _Fax = value; }
}

public bool Found
{
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        get { return _found; }
    }

#endregion

#region Functions/Routines

#region List

public static DataSet List()
{
    SqlConnection sqlConn = new SqlConnection(ConnectionString);
    SqlDataAdapter adp = new SqlDataAdapter("usp_CustomersList", sqlConn);
    DataSet ds = new DataSet();

    try
    {
        sqlConn.Open();
        adp.SelectCommand.CommandType = CommandType.StoredProcedure;
        adp.Fill(ds);
    }

    catch { throw; }

    finally
    {
        sqlConn.Close();
        adp.Dispose();
        sqlConn.Dispose();
    }

    return ds;
}

#endregion

#region Retrieve

public void Retrieve()
{
    SqlConnection sqlConn = new SqlConnection(ConnectionString);
    SqlCommand cmd = new SqlCommand("usp_CustomersSelect", sqlConn);
    SqlDataReader data;

    _found = false;

    cmd.Parameters.Add("@CustomerID", SqlDbType.NChar, 5).Value = _CustomerID;

    try
    {
        sqlConn.Open();
        cmd.CommandType = CommandType.StoredProcedure;
    }
}

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data = cmd.ExecuteReader();

if (data.Read())
{
    _found = true;
    if (!Convert.IsDBNull(data["CustomerID"])) _CustomerID = (string) data["CustomerID"];
    if (!Convert.IsDBNull(data["CompanyName"])) _CompanyName = (string) data["CompanyName"];
    if (!Convert.IsDBNull(data["ContactName"])) _ContactName = (string) data["ContactName"];
    if (!Convert.IsDBNull(data["ContactTitle"])) _ContactTitle = (string) data["ContactTitle"];
    if (!Convert.IsDBNull(data["Address"])) _Address = (string) data["Address"];
    if (!Convert.IsDBNull(data["City"])) _City = (string) data["City"];
    if (!Convert.IsDBNull(data["Region"])) _Region = (string) data["Region"];
    if (!Convert.IsDBNull(data["PostalCode"])) _PostalCode = (string) data["PostalCode"];
    if (!Convert.IsDBNull(data["Country"])) _Country = (string) data["Country"];
    if (!Convert.IsDBNull(data["Phone"])) _Phone = (string) data["Phone"];
    if (!Convert.IsDBNull(data["Fax"])) _Fax = (string) data["Fax"];
}
}

catch { throw; }

finally
{
    sqlConn.Close();
    cmd.Dispose();
    sqlConn.Dispose();
}
}

#endregion

#region Save

public bool Save()
{
    SqlConnection sqlConn = new SqlConnection(ConnectionString);
    SqlCommand cmd = new SqlCommand("usp_CustomersInsert", sqlConn);
    bool result;

    cmd.Parameters.Add("@CustomerID", SqlDbType.NChar, 5).Value = _CustomerID;
    cmd.Parameters.Add("@CompanyName", SqlDbType.NVarChar, 40).Value = _CompanyName;
    cmd.Parameters.Add("@ContactName", SqlDbType.NVarChar, 30).Value = _ContactName;
    cmd.Parameters.Add("@ContactTitle", SqlDbType.NVarChar, 30).Value = _ContactTitle;
    cmd.Parameters.Add("@Address", SqlDbType.NVarChar, 60).Value = _Address;
    cmd.Parameters.Add("@City", SqlDbType.NVarChar, 15).Value = _City;
    cmd.Parameters.Add("@Region", SqlDbType.NVarChar, 15).Value = _Region;
    cmd.Parameters.Add("@PostalCode", SqlDbType.NVarChar, 10).Value = _PostalCode;
    cmd.Parameters.Add("@Country", SqlDbType.NVarChar, 15).Value = _Country;
    cmd.Parameters.Add("@Phone", SqlDbType.NVarChar, 24).Value = _Phone;
    cmd.Parameters.Add("@Fax", SqlDbType.NVarChar, 24).Value = _Fax;

    try

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    {
        sqlConn.Open();
        cmd.CommandType = CommandType.StoredProcedure;
        result = Convert.ToBoolean(cmd.ExecuteNonQuery());
    }

    catch { throw; }

    finally
    {
        sqlConn.Close();
        cmd.Dispose();
        sqlConn.Dispose();
    }

    return result;
}

#endregion

#region Update

public bool Update()
{
    SqlConnection sqlConn = new SqlConnection(ConnectionString);
    SqlCommand cmd = new SqlCommand("usp_CustomersUpdate", sqlConn);
    bool result;

    cmd.Parameters.Add("@CustomerID", SqlDbType.NChar, 5).Value = _CustomerID;
    cmd.Parameters.Add("@CompanyName", SqlDbType.NVarChar, 40).Value = _CompanyName;
    cmd.Parameters.Add("@ContactName", SqlDbType.NVarChar, 30).Value = _ContactName;
    cmd.Parameters.Add("@ContactTitle", SqlDbType.NVarChar, 30).Value = _ContactTitle;
    cmd.Parameters.Add("@Address", SqlDbType.NVarChar, 60).Value = _Address;
    cmd.Parameters.Add("@City", SqlDbType.NVarChar, 15).Value = _City;
    cmd.Parameters.Add("@Region", SqlDbType.NVarChar, 15).Value = _Region;
    cmd.Parameters.Add("@PostalCode", SqlDbType.NVarChar, 10).Value = _PostalCode;
    cmd.Parameters.Add("@Country", SqlDbType.NVarChar, 15).Value = _Country;
    cmd.Parameters.Add("@Phone", SqlDbType.NVarChar, 24).Value = _Phone;
    cmd.Parameters.Add("@Fax", SqlDbType.NVarChar, 24).Value = _Fax;

    try
    {
        sqlConn.Open();
        cmd.CommandType = CommandType.StoredProcedure;
        result = Convert.ToBoolean(cmd.ExecuteNonQuery());
    }

    catch { throw; }

    finally
    {
        sqlConn.Close();
    }
}

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        cmd.Dispose();
        sqlConn.Dispose();
    }

    return result;
}

#endregion

#region Delete

public static bool Delete(string customerID)
{
    SqlConnection sqlConn = new SqlConnection(ConnectionString);
    SqlCommand cmd = new SqlCommand("usp_CustomersDelete", sqlConn);
    bool result;

    cmd.Parameters.Add("@CustomerID", SqlDbType.NChar, 5).Value = customerID;

    try
    {
        sqlConn.Open();
        cmd.CommandType = CommandType.StoredProcedure;
        result = Convert.ToBoolean(cmd.ExecuteNonQuery());
    }

    catch { throw; }

    finally
    {
        sqlConn.Close();
        cmd.Dispose();
        sqlConn.Dispose();
    }

    return result;
}

#endregion

#endregion

}
}

```