using Oracle.ManagedDataAccess.Client;

using System;

using System.Collections.Generic;

using System.Drawing;

using System.IO;

using System.Linq;

using System.Threading;

using System.Threading.Tasks;

namespace Fak4ura.Models

{

public class Blob : DbConnection

{

public byte[] ImageToByte(Image image, System.Drawing.Imaging.ImageFormat format)

{

using (MemoryStream ms = new MemoryStream())

{

// Convert Image to byte[]

image.Save(ms, format);

byte[] imageBytes = ms.ToArray();

return imageBytes;

}

}

public Image ByteToImage(byte[] imageBytes)

{

// Convert byte[] to Image

MemoryStream ms = new MemoryStream(imageBytes, 0, imageBytes.Length);

ms.Write(imageBytes, 0, imageBytes.Length);

Image image = new Bitmap(ms);

return image;

}

public void SaveImage(byte[] imagen)

{

var success = false;

var numberOfAttempts = 6;

var sqlQuery = "INSERT INTO F4\_Blob( img )VALUES (:val1 )";

var oracleConn = new OracleConnection(ConnString);

while (!success && numberOfAttempts > 1)

{

try

{

success = true;

oracleConn.Open();

Console.WriteLine("--->@Blob() @SaveImage() Connected status: " + oracleConn.State +

$" [Approaches remaining: {numberOfAttempts}]");

OracleCommand cmd = new OracleCommand(sqlQuery, oracleConn);

cmd.Parameters.Add("val1", imagen);

cmd.ExecuteNonQuery();

}

catch (Exception ex)

{

success = false;

numberOfAttempts--;

if (numberOfAttempts == 1)

{

oracleConn.Close();

Console.WriteLine("--->@Blob() @SaveImage() Error: " + ex.Message);

return;

}

else

Thread.Sleep(10000 / numberOfAttempts);

oracleConn.Close();

}

}

Console.WriteLine("--->@Blob() @SaveImage(): Success");

oracleConn.Close();

}

public Byte[] LoadImage()

{

Byte[] buffer = null;

Image img = null;

var success = false;

var numberOfAttempts = 6;

string sqlsqlQuery = "select img from F4\_Blob Where id = 15 ";

OracleConnection oracleConn = new OracleConnection(ConnString);

while (!success && numberOfAttempts > 1)

{

try

{

success = true;

oracleConn.Open();

Console.WriteLine("--->@Blob() @LoadImage() Connected status: " + oracleConn.State +

$" [Approaches remaining: {numberOfAttempts}]");

OracleCommand cmd = new OracleCommand(sqlsqlQuery, oracleConn);

OracleDataReader dataReader = cmd.ExecuteReader();

if (!dataReader.HasRows)

{

Console.WriteLine("--->@Blob() @LoadImage(): No data found");

return null;

}

while (dataReader.Read())

{

buffer = (Byte[])(dataReader.GetOracleBlob(0)).Value;

//buffer = (Byte[])(dataReader.GetOracleBlob(1)).Value;

//var content = new String(Encoding.UTF8.GetChars(buffer));

//img = ByteToImage(buffer);

}

}

catch (Exception ex)

{

success = false;

numberOfAttempts--;

if (numberOfAttempts == 1)

{

oracleConn.Close();

Console.WriteLine("--->@Blob() @LoadImage(): Error: " + ex.Message);

return null;

}

else

Thread.Sleep(10000 / numberOfAttempts);

oracleConn.Close();

}

}

Console.WriteLine("--->@Blob() @LoadImage(): Success");

oracleConn.Close();

return buffer;

}

/\* Example

[BindProperty]

public IFormFile saveImg { get; set; }

public byte[] displayImg { get; set; }

public void OnGet()

{

var obj = new Blob();

Image photo = new Bitmap(@"wwwroot\img\handShake.png");

byte[] pic = obj.ImageToByte(photo, System.Drawing.Imaging.ImageFormat.Jpeg);

obj.SaveImage(pic);

displayImg = obj.LoadImage();

}

public void OnPostTestFile()

{

if (saveImg != null)

{

MemoryStream ms = new MemoryStream();

saveImg.CopyTo(ms);

byte[] byteArray = ms.ToArray();

var obj = new Blob();

obj.SaveImage(byteArray);

}

}

\*/

}

}