using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Data;

using System.Data.OleDb;

using System.IO;

using System.Collections;

using System.Xml;

using System.Xml.Schema;

namespace ConsoleApplication18

{

class Program

{

static void Main(string[] args)

{

int op;

string connectionString;

connectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source= Projeckt.accdb; Persist Security Info=False;";

OleDbConnection connexio = new OleDbConnection(connectionString);

OleDbCommand cmd = new OleDbCommand();

cmd.Connection = connexio;

connexio.Open();

do{

Console.WriteLine("1. Ver stocks");

Console.WriteLine("2. Insertar en Stock");

Console.WriteLine("3. Modificar preu de producte");

Console.WriteLine("4. Modificar quantitat de producte");

Console.WriteLine("5. Esborrar Producte");

Console.WriteLine("6. Generar XML");

Console.WriteLine("7. Expediciones");

Console.WriteLine("8. Adquirir XML");

Console.WriteLine("99. Salir");

op = Convert.ToInt32(Console.ReadLine());

OleDbDataAdapter da = new OleDbDataAdapter("Select Id\_producte,Nom\_producte ,Descripcio ,Quantitat ,Preu from Stock", connexio);

DataSet ds = new DataSet();

da.Fill(ds);

switch (op)

{

case 1: // mostrar pantalla la BD

for (int fila = 0; fila < ds.Tables[0].Rows.Count; fila++)

{

Console.Write("Id\_producte: " + ds.Tables[0].Rows[fila][0].ToString());

Console.Write(" Nom\_producte: " + ds.Tables[0].Rows[fila][1].ToString());

Console.WriteLine(" Descripcio: " + ds.Tables[0].Rows[fila][2].ToString());

Console.WriteLine(" Quantitat: " + ds.Tables[0].Rows[fila][3].ToString());

Console.WriteLine(" Preu: " + ds.Tables[0].Rows[fila][4].ToString());

}

break;

case 2:

string nom, desc;

int p, q, id;

Console.WriteLine("Entra id");

id = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Entra Nom");

nom = Console.ReadLine();

Console.WriteLine("Entra Descripcio");

desc = Console.ReadLine();

Console.WriteLine("Entra Quantitat");

q = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Entra Preu");

p = Convert.ToInt32(Console.ReadLine());

cmd.CommandText = "INSERT INTO Stock VALUES ( " + id + " , '" + nom + "' , '" + desc + "' , " + q + " , " + p + ");";

cmd.ExecuteNonQuery();

break;

case 3:

int preu, ident;

Console.WriteLine("Entra nou preu");

preu = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Inserta id de producto a modificar");

ident = Convert.ToInt32(Console.ReadLine());

cmd.CommandText = "UPDATE Stock SET Preu = " + preu + " WHERE Id\_producte = " + ident;

cmd.ExecuteNonQuery();

break;

case 4:

int quantitat;

Console.WriteLine("Inserta id de producto a modificar");

ident = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Entra nova quantitat");

quantitat = Convert.ToInt32(Console.ReadLine());

cmd.CommandText = "UPDATE Stock SET Quantitat = " + quantitat + " WHERE Id\_producte = " + ident;

cmd.ExecuteNonQuery();

break;

case 5:

Console.WriteLine("Inserta id de producto a modificar");

ident = Convert.ToInt32(Console.ReadLine());

cmd.CommandText = "DELETE FROM Stock WHERE Id\_producte = " + ident;

cmd.ExecuteNonQuery();

break;

case 6:

Console.WriteLine("Generant Comanda");

//crear arxiu xml

string nomArxiu = "comanda\_" + DateTime.Now.Year + "\_" + DateTime.Now.Month + "\_" + DateTime.Now.Day + "\_.xml";

StreamWriter sw = new StreamWriter(nomArxiu);

sw.WriteLine("<?xml version=\"1.0\" encoding=\"UTF-8\"?>");

sw.WriteLine("<?xml-stylesheet type= \"text/xsl\" href= \"XSLTFile1.xslt\"?>");

sw.WriteLine("<comanda>");

for (int fila = 0; fila < ds.Tables[0].Rows.Count; fila++)

{

sw.WriteLine("\t<producte>");

sw.WriteLine("\t\t<id>" + ds.Tables[0].Rows[fila][0].ToString() + "</id>");

sw.WriteLine("\t\t<nom>" + ds.Tables[0].Rows[fila][1].ToString() + "</nom>");

sw.WriteLine("\t\t<desc>" + ds.Tables[0].Rows[fila][2].ToString() + "</desc>");

sw.WriteLine("\t\t<quantitat>" + ds.Tables[0].Rows[fila][3].ToString() + "</quantitat>");

sw.WriteLine("\t\t<preu>" + ds.Tables[0].Rows[fila][4].ToString() + "</preu>");

sw.WriteLine("\t</producte>");

//posar-lo en un arxiu XML

}

//tancar

sw.WriteLine("</comanda>");

sw.Close();

break;

case 7:

Console.WriteLine("Generant Comanda");

//crear arxiu xml

nomArxiu = "comanda 2.0\_" + DateTime.Now.Year + "\_" + DateTime.Now.Month + "\_" + DateTime.Now.Day + "\_.xml";

StreamWriter sw1 = new StreamWriter(nomArxiu);

sw1.WriteLine("<?xml version=\"1.0\" encoding=\"UTF-8\"?>");

sw1.WriteLine("<?xml-stylesheet type= \"text/xsl\" href= \"XSLTFile1.xslt\"?>");

sw1.WriteLine("<comanda>");

Console.WriteLine("Inserta id");

id = Convert.ToInt32(Console.ReadLine());

while (id != -1)

{

Console.WriteLine("Inserta quantitat");

q = Convert.ToInt32(Console.ReadLine());

int i = 0;

while (i < ds.Tables[0].Rows.Count && id != Convert.ToInt32(ds.Tables[0].Rows[i][0].ToString())) i++;

if (i == ds.Tables[0].Rows.Count) Console.WriteLine("Codi iexistent " + id);

else

{

sw1.WriteLine("\t<producte>");

sw1.WriteLine("\t\t<id>" + ds.Tables[0].Rows[i][0].ToString() + "</id>");

sw1.WriteLine("\t\t<nom>" + ds.Tables[0].Rows[i][1].ToString() + "</nom>");

sw1.WriteLine("\t\t<desc>" + ds.Tables[0].Rows[i][2].ToString() + "</desc>");

sw1.WriteLine("\t\t<quantitat>" + q + "</quantitat>");

sw1.WriteLine("\t\t<preu>" + ds.Tables[0].Rows[i][4].ToString() + "</preu>");

sw1.WriteLine("\t</producte>");

i++;

cmd.CommandText = "UPDATE Stock SET Quantitat = Quantitat - " + q + " WHERE Id\_producte = " + id;

cmd.ExecuteNonQuery();

}

Console.WriteLine("Inserta id");

id = Convert.ToInt32(Console.ReadLine());

}

//posar-lo en un arxiu XML

//tancar

sw1.WriteLine("</comanda>");

sw1.Close();

break;

case 8:

XmlDocument doc = new XmlDocument();

doc.Load("albaran.xml");

XmlNodeList mainData = doc.GetElementsByTagName("albaran");

XmlNodeList albaran = ((XmlElement)mainData[0]).GetElementsByTagName("producte");

XmlNodeList idXML, qXML;

foreach(XmlElement producte in albaran)

{

idXML = producte.GetElementsByTagName("Id Producte");

qXML = producte.GetElementsByTagName("Quantitat");

id = Convert.ToInt32(idXML[0].InnerText);

q = Convert.ToInt32(qXML[0].InnerText);

cmd.CommandText = "UPDATE Stock SET Quantitat = Quantitat + " + q + "WHERE Id\_producte =" + id;

cmd.ExecuteNonQuery();

}

break;

}

} while (op != 99);

connexio.Close();

}

}

}