using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Text.RegularExpressions;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Xml;

using System.IO;

using System.Xml.Linq;

using System.Xml.Serialization;

namespace Adressverwaltung

{

public partial class Form1 : Form

{

static DataSet ds = new DataSet("Data");

static DataTable table = new DataTable();

public bool IsPostBack { get; private set; }

public Form1()

{

InitializeComponent();

}

//protected void Page\_Load(object sender, EventArgs e)

//{

// if (!IsPostBack)

//{

// ds = new DataSet();

//ds.ReadXml(MapPath("adress.xml"));

//dt = ds.Tables["Data"];

//}

// }

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

{

}

private void Lastname\_Click(object sender, EventArgs e)

{

}

private void save\_Click\_1(object sender, EventArgs e)

{

if (firstname.Text != "" || lastname.Text != "" || mailaddress.Text != "" || phonenumber.Text != "" || street.Text != "" || housenumber.Text != "" || postalcode.Text != "" || city.Text != "")

{

SaveXML();

MessageBox.Show("Vielen Dank. Ihre Adressdaten wurden gespeichert");

}

else

{

MessageBox.Show("Bitte alle Felder ausf�llen", "Fehler", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void SaveXML()

{

XmlDocument doc = new XmlDocument();

doc.Load("C:/Users/econsor\_cr/source/repos/Adressverwaltung/adress.xml");

XmlNode address = doc.CreateElement("adresse");

XmlNode Firstname = doc.CreateElement("Firstname");

Firstname.InnerText = firstname.Text;

address.AppendChild(Firstname);

XmlNode Lastname = doc.CreateElement("Lastname");

Lastname.InnerText = lastname.Text;

address.AppendChild(Lastname);

XmlNode Mail = doc.CreateElement("E-Mail");

Mail.InnerText = mailaddress.Text;

address.AppendChild(Mail);

XmlNode Phone = doc.CreateElement("Phonenumber");

Phone.InnerText = phonenumber.Text;

address.AppendChild(Phone);

XmlNode Street = doc.CreateElement("Street");

Street.InnerText = street.Text;

address.AppendChild(Street);

XmlNode House = doc.CreateElement("House-Number");

House.InnerText = housenumber.Text;

address.AppendChild(House);

XmlNode Postalcode = doc.CreateElement("Postcode");

Postalcode.InnerText = postalcode.Text;

address.AppendChild(Postalcode);

XmlNode City = doc.CreateElement("City");

City.InnerText = city.Text;

address.AppendChild(City);

doc.DocumentElement.AppendChild(address);

doc.Save("C:/Users/econsor\_cr/source/repos/Adressverwaltung/adress.xml");

}

private XmlReader MapPath(string v)

{

throw new NotImplementedException();

}

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

{

String UserEmail = mailaddress.Text;

if (IsValidEmail(UserEmail))

{

label9.Text = "Diese E-Mail ist valide";

}

else

{

label9.Text = "B�tte eine g�ltige E-Mail angeben";

}

}

public static bool IsValidEmail(string email)

{

string pattern = @"^(?!\.)(""([^""\r\\]|\\[""\r\\])\*""|" + @"([-a-z0-9!#$%&'\*+/=?^\_`{|}~]|(?<!\.)\.)\*)(?<!\.)" + @"@[a-z0-9][\w\.-]\*[a-z0-9]\.[a-z][a-z\.]\*[a-z]$";

var regex = new Regex(pattern, RegexOptions.IgnoreCase);

return regex.IsMatch(email);

}

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

{

}

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

{

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

int nRow;

private void show\_Click(object sender, EventArgs e)

{

DataSet dataSet = new DataSet();

dataSet.ReadXml(@"C:/Users/econsor\_cr/source/repos/Adressverwaltung/adress.xml");

dataGridView1.DataSource = dataSet.Tables[0];

nRow = dataGridView1.CurrentCell.RowIndex;

}

private void button1\_Click(object sender, EventArgs e)

{

if (nRow < dataGridView1.RowCount -1 && nRow != 0)

{

dataGridView1.Rows[nRow].Selected = false;

dataGridView1.Rows[--nRow].Selected = true;

}

else

{

}

}

//int nRow;

private void button2\_Click(object sender, EventArgs e)

{

// nRow = dataGridView1.CurrentCell.RowIndex;

if (nRow < dataGridView1.RowCount - 1 && !(nRow > dataGridView1.RowCount))

{

dataGridView1.Rows[nRow].Selected = false;

dataGridView1.Rows[++nRow].Selected = true;

}

else

{

nRow = 0;

dataGridView1.Rows[nRow].Selected = false;

dataGridView1.Rows[0].Selected = true;

}

}

}

}