using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.IO;

using System.Data.OleDb;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

namespace SeniorCitizenICTDatabase

{

public partial class FrmSearchCitizenResult : Form

{

private OleDbConnection cn = new OleDbConnection(@"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=" + Application.StartupPath + "\\dbCitizen.accdb;Persist Security Info=True");

//private OleDbConnection cn = new OleDbConnection(@"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Project 2016\SeniorCitizenICTDatabase\SeniorCitizenICTDatabase\dbCitizen.accdb;Persist Security Info=True");

private OleDbCommand cmd = new OleDbCommand();

private OleDbDataReader dr;

string picture = "";

private string uniqueCitizenId;

public FrmSearchCitizenResult(string citizenId)

{

InitializeComponent();

uniqueCitizenId = citizenId;

}

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

{

cmd.Connection = cn;

genCitizenInfor();

txtUniqueCitizenId.Enabled = false;

btnDelete.Visible = false;

}

private void genCitizenInfor()

{

//string citizenId = "SCW/OS/";

try

{

cn.Open();

cmd.CommandText = "select \* from tblSeniorCitizen where UniqueCitizenId ='" + uniqueCitizenId +"'";

dr = cmd.ExecuteReader();

while (dr.Read())

{

txtUniqueCitizenId.Text = dr["UniqueCitizenId"].ToString();

txtCitizenFullname.Text = dr["CitizenFullname"].ToString();

cboGender.Text = dr["Gender"].ToString();

dtpDateOfBirth.Text = dr["DateOfBirth"].ToString();

txtResidentialAddress.Text = dr["ResidentialAddress"].ToString();

txtPhoneNumber.Text = dr["PhoneNumber"].ToString();

cboStateOfOrigin.Text = dr["StateOfOrigin"].ToString();

txtLGAOfOrigin.Text = dr["LGAOfOrigin"].ToString();

txtNationality.Text = dr["Nationality"].ToString();

txtReligion.Text = dr["Religion"].ToString();

if(dr["OccupationType"].ToString() == "Government Worker")

optGovernmentWorker.Checked = true;

else

optNonGovernmentWorker.Checked = true;

txtGovOrganizationName.Text = dr["GovOrganizationName"].ToString();

txtGovOrganizationAddress.Text = dr["GovOrganizationAddress"].ToString();

txtGovMinistry.Text = dr["GovMinistry"].ToString();

cboGovLGA.Text = dr["GovLGA"].ToString();

cboGovGradeLevel.Text = dr["GovGradeLevel"].ToString();

txtGovOccupation.Text = dr["GovOccupation"].ToString();

txtNonGovOrganizationName.Text = dr["NonGovOrganizationName"].ToString();

txtNonGovOrganizationAddress.Text = dr["NonGovOrganizationAddress"].ToString();

cboNonGovLGA.Text = dr["NonGovLGA"].ToString();

txtNonGovOccupation.Text = dr["NonGovOccupation"].ToString();

//upload picture to picture box

picture = Application.StartupPath + "\\Pictures\\" + getLastFourString(uniqueCitizenId) + ".jpg";

Bitmap uploadImage = new Bitmap(picture);

//pictureBox1.Image = resizeImage(uploadImage, 162, 162);

pictureBox1.Image = uploadImage;

pictureBox1.Size = pictureBox1.Image.Size;

}

dr.Close();

cn.Close();

}

catch (Exception Er)

{

dr.Close();

cn.Close();

MessageBox.Show(Er.Message, "Senior Citizen's App", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private string getLastFourString(string txtCitizenId)

{

string lastFourString = txtCitizenId.Substring(7, 4);

MessageBox.Show(lastFourString);

return lastFourString;

}

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

{

try

{

if (MessageBox.Show("Are you sure you want to upload the recent passport of the current senior citizen", "", MessageBoxButtons.YesNo, MessageBoxIcon.Question) == DialogResult.Yes)

{

MessageBox.Show("Always ensure that you upload the recent passport of the currrent senior citizen");

OpenFileDialog openFileDialog = new OpenFileDialog();

//openFileDialog.InitialDirectory = Environment.GetFolderPath(Environment.SpecialFolder.Personal);

openFileDialog.InitialDirectory = @"C:\";

openFileDialog.Filter = "Image Files (\*.jpg;\*.jpeg;\*.gif;\*.bmp)|\*.jpg;\*.jpeg;\*.gif;\*.bmp|All Files (\*.\*)|\*.\*";

if (openFileDialog.ShowDialog(this) == DialogResult.OK)

{

Bitmap uploadImage = new Bitmap(openFileDialog.FileName);

pictureBox1.Image = resizeImage(uploadImage, 162, 162);

pictureBox1.Size = pictureBox1.Image.Size;

picture = openFileDialog.FileName;

//MessageBox.Show(picture);

}

}

}

catch (Exception er)

{

MessageBox.Show(er.Message);

}

}

private static Image resizeImage(Image image, int imgWidth, int imgHeight)

{

Bitmap newImage = new Bitmap(imgWidth, imgHeight);

Graphics g = Graphics.FromImage((Image)newImage);

g.InterpolationMode = System.Drawing.Drawing2D.InterpolationMode.High;

g.DrawImage(image, 0, 0, imgWidth, imgHeight);

return newImage;

}

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

{

try

{

string occupationType = "";

if (isAllEntryFilled())

{

string UniqueCitizenId = txtUniqueCitizenId.Text;

string CitizenFullname = txtCitizenFullname.Text;

string Gender = cboGender.Text;

string DateOfBirth = dtpDateOfBirth.Text;

string ResidentialAddress = txtResidentialAddress.Text;

string PhoneNumber = txtPhoneNumber.Text;

string StateOfOrigin = cboStateOfOrigin.Text;

string LGAOfOrigin = txtLGAOfOrigin.Text;

string Nationality = txtNationality.Text;

string Religion = txtReligion.Text;

if (optGovernmentWorker.Checked)

occupationType = "Government Worker";

else if (optNonGovernmentWorker.Checked)

occupationType = "Non-Government Worker";

string GovOrganizationName = txtGovOrganizationName.Text;

string GovOrganizationAddress = txtGovOrganizationAddress.Text;

string GovMinistry = txtGovMinistry.Text;

string GovLGA = cboGovLGA.Text;

string GovGradeLevel = cboGovGradeLevel.Text;

string GovOccupation = txtGovOccupation.Text;

string NonGovOrganizationName = txtNonGovOrganizationName.Text;

string NonGovOrganizationAddress = txtNonGovOrganizationAddress.Text;

string NonGovLGA = cboNonGovLGA.Text;

string NonGovOccupation = txtNonGovOccupation.Text;

if (isSavePicture())

{

cn.Open();

if (occupationType == "Government Worker")

//cmd.CommandText = "UPDATE tblSeniorCitizen set UniqueCitizenId = '" + UniqueCitizenId + "', CitizenFullname ='" + CitizenFullname + "', Gender ='" + Gender + "', DateOfBirth ='" + DateOfBirth + "', ResidentialAddress ='" + ResidentialAddress + "', PhoneNumber ='" + PhoneNumber + "', StateOfOrigin ='" + StateOfOrigin + "', LGAOfOrigin ='" + LGAOfOrigin + "', Nationality ='" + Nationality + "', Religion ='" + Religion + "', OccupationType ='" + occupationType + "', GovOrganizationName ='" + GovOrganizationName + "', GovOrganizationAddress ='" + GovOrganizationAddress + "', GovMinistry ='" + GovMinistry + "', GovLGA ='" + GovLGA + "', GovGradeLevel ='" + GovGradeLevel + "', GovOccupation ='" + GovOccupation + "', NonGovOrganizationName =' ', NonGovOrganizationAddress =' ', NonGovLGA =' ', NonGovOccupation =' ', Passport ='" + picture + "' Where (UniqueCitizenId = '" + UniqueCitizenId + "') And (occupationType = 'Government Worker')";

cmd.CommandText = "UPDATE tblSeniorCitizen set [CitizenFullname] ='" + CitizenFullname + "', [Gender] ='" + Gender + "', [DateOfBirth] ='" + DateOfBirth + "', [ResidentialAddress] ='" + ResidentialAddress + "', [PhoneNumber] ='" + PhoneNumber + "', [StateOfOrigin] ='" + StateOfOrigin + "', [LGAOfOrigin] ='" + LGAOfOrigin + "', [Nationality] ='" + Nationality + "', [Religion] ='" + Religion + "', [OccupationType] ='" + occupationType + "', [GovOrganizationName] ='" + GovOrganizationName + "', [GovOrganizationAddress] ='" + GovOrganizationAddress + "', [GovMinistry] ='" + GovMinistry + "', [GovLGA] ='" + GovLGA + "', [GovGradeLevel] ='" + GovGradeLevel + "', [GovOccupation] ='" + GovOccupation + "', Passport ='" + picture + "' Where (UniqueCitizenId = '" + UniqueCitizenId + "') And (occupationType = 'Government Worker')";

else if (occupationType == "Non-Government Worker")

cmd.CommandText = "UPDATE tblSeniorCitizen set CitizenFullname ='" + CitizenFullname + "', Gender ='" + Gender + "', DateOfBirth ='" + DateOfBirth + "', ResidentialAddress ='" + ResidentialAddress + "', PhoneNumber ='" + PhoneNumber + "', StateOfOrigin ='" + StateOfOrigin + "', LGAOfOrigin ='" + LGAOfOrigin + "', Nationality ='" + Nationality + "', Religion ='" + Religion + "', OccupationType ='" + occupationType + "', NonGovOrganizationName ='" + NonGovOrganizationName + "', NonGovOrganizationAddress ='" + NonGovOrganizationAddress + "', NonGovLGA ='" + NonGovLGA + "', NonGovOccupation ='" + NonGovOccupation + "', Passport ='" + picture + "' Where (UniqueCitizenId = '" + UniqueCitizenId + "') And (occupationType = 'Non-Government Worker')";

cmd.ExecuteNonQuery();

MessageBox.Show("The Current Senior Citizen Information successfully updated!!!", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Information);

cn.Close();

this.Hide();

}

}

}

catch (Exception er)

{

cn.Close();

MessageBox.Show(er.Message, "Senior Citizen App.", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private bool isAllEntryFilled()

{

bool isEntryFilled = false;

if ((txtUniqueCitizenId.Text == "SCW/OS/"))

{

MessageBox.Show("Please click refresh button to regenerate the senior citizen's id", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtCitizenFullname.Focus();

return isEntryFilled;

}

else if ((txtCitizenFullname.Text == ""))

{

MessageBox.Show("Please enter the Senior Citizen's FullName", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtCitizenFullname.Focus();

return isEntryFilled;

}

else if ((dtpDateOfBirth.Text == ""))

{

MessageBox.Show("Please set the Senior Citizen's Date of Birth", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

dtpDateOfBirth.Focus();

return isEntryFilled;

}

else if ((cboGender.Text == ""))

{

MessageBox.Show("Please set the Senior Citizen's Gender", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

cboGender.Focus();

return isEntryFilled;

}

else if ((txtResidentialAddress.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Residential Address ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtResidentialAddress.Focus();

return isEntryFilled;

}

else if ((txtPhoneNumber.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Phone Number ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtPhoneNumber.Focus();

return isEntryFilled;

}

else if ((cboStateOfOrigin.Text == ""))

{

MessageBox.Show("Please set the Senior Citizen's State of Origin ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

cboStateOfOrigin.Focus();

return isEntryFilled;

}

else if ((txtLGAOfOrigin.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's LGA of Origin ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtLGAOfOrigin.Focus();

return isEntryFilled;

}

else if ((txtNationality.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Nationality ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtNationality.Focus();

return isEntryFilled;

}

else if ((picture == "") || (pictureBox1.Image == null))

{

MessageBox.Show("Please upload the Senior Citizen's recent passport", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

return isEntryFilled;

}

else if (optGovernmentWorker.Checked)

{

if ((txtGovOrganizationName.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Organization Name ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtGovOrganizationName.Focus();

return isEntryFilled;

}

else if ((txtGovOrganizationAddress.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Organization Address ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtGovOrganizationAddress.Focus();

return isEntryFilled;

}

else if ((txtGovMinistry.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen s Ministry/Department", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtGovMinistry.Focus();

return isEntryFilled;

}

else if ((cboGovLGA.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's LGA(Osun) ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

cboGovLGA.Focus();

return isEntryFilled;

}

else if ((cboGovGradeLevel.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Grade level ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

cboGovGradeLevel.Focus();

return isEntryFilled;

}

else if ((txtGovOccupation.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Occupation ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtGovOccupation.Focus();

return isEntryFilled;

}

else

return true;

}

else if (optNonGovernmentWorker.Checked)

{

if ((txtNonGovOrganizationName.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Organization Name ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtNonGovOrganizationName.Focus();

return isEntryFilled;

}

else if ((txtNonGovOrganizationAddress.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Organization Address ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtNonGovOrganizationAddress.Focus();

return isEntryFilled;

}

else if ((cboNonGovLGA.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's LGA(Osun) ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

cboNonGovLGA.Focus();

return isEntryFilled;

}

else if ((txtNonGovOccupation.Text == ""))

{

MessageBox.Show("Please type the Senior Citizen's Occupation ", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Exclamation);

txtNonGovOccupation.Focus();

return isEntryFilled;

}

else

return true;

}

else

return true;

}

private bool isSavePicture()

{

bool isSaved = false;

if ((picture != "") && (pictureBox1.Image != null))

{

if (txtUniqueCitizenId.Text != "SCW/OS/")

{

string pictureFileName = getLastFourString(txtUniqueCitizenId.Text);

//if (File.Exists(Application.StartupPath + "\\Pictures\\" + pictureFileName + ".jpg"))

{

// MessageBox.Show("Picture Cannot be Saved!!!, Duplicate Found", "Filename Already Exists");

}

//else

{

//pictureBox1.Image.Save(Application.StartupPath + "\\Pictures\\" + pictureFileName + ".jpg");

MessageBox.Show("Picture Saved!!!");

//picture = Application.StartupPath + "\\Pictures\\" + pictureFileName + ".jpg";

isSaved = true;

}

}

}

return isSaved;

}

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

{

try

{

if (MessageBox.Show("Are you sure you want to delete all the information of the current senior citizen?", "", MessageBoxButtons.YesNo, MessageBoxIcon.Question) == DialogResult.Yes)

{

cn.Open();

cmd.CommandText = "DELETE from tblSeniorCitizen Where (UniqueCitizenId = '" + txtUniqueCitizenId.Text + "')";

cmd.ExecuteNonQuery();

MessageBox.Show("The Current Senior Citizen Information successfully Deleted!!!", "Senior Citizens App.", MessageBoxButtons.OK, MessageBoxIcon.Information);

//Delete Picture

//File.Delete(Application.StartupPath + "\\Pictures\\" + getLastFourString(txtUniqueCitizenId.Text) + ".jpg");

//MessageBox.Show("Picture Deleted!!!");

cn.Close();

this.Hide();

}

}

catch (Exception Er)

{

dr.Close();

cn.Close();

MessageBox.Show(Er.Message, "Senior Citizen's App", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

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

{

this.Hide();

}

private void optGovernmentWorker\_CheckedChanged(object sender, EventArgs e)

{

{

groupBox4.Enabled = true;

groupBox5.Enabled = false;

}

}

private void optNonGovernmentWorker\_CheckedChanged(object sender, EventArgs e)

{

{

groupBox4.Enabled = false;

groupBox5.Enabled = true;

}

}

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

{

}

}

}