﻿using MySql.Data.MySqlClient;

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Security.Cryptography;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace Library\_app

{

public partial class ViewBook : Form

{

public ViewBook()

{

InitializeComponent();

}

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

{

panel3.Visible = false;

//creating mysql connection

MySqlConnection conn;

MySqlCommand cmd;

conn = new MySqlConnection("Server = localhost; Port = 3306; Database = library; Uid = root; Pwd = 2001;");

cmd = new MySqlCommand();

cmd.Connection = conn;

try

{

conn.Open();

cmd.CommandText = "SELECT\*FROM Newbook";

MySqlDataAdapter da = new MySqlDataAdapter(cmd);

DataSet ds = new DataSet();

da.Fill(ds);

dataGridView1.DataSource = ds.Tables[0];

// we can get the connection

}

catch (Exception ex)

{

MessageBox.Show("Connection Have Failed" + ex, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

finally

{

conn.Close();

}

}

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

{

if (dataGridView1.Rows[e.RowIndex].Cells[e.ColumnIndex].Value != null)

{

MessageBox.Show(dataGridView1.Rows[e.RowIndex].Cells[0].Value.ToString());

}

}

int bid;

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

{

try {

if (dataGridView1.Rows[e.RowIndex].Cells[e.ColumnIndex].Value != null)

{

bid = Convert.ToInt32(dataGridView1.Rows[e.RowIndex].Cells[0].Value.ToString());

}

}catch(Exception ex)

{

ViewBook\_Load(sender, e);

return;

}

panel3.Visible = true;

MySqlConnection conn;

MySqlCommand cmd;

conn = new MySqlConnection("Server = localhost; Port = 3306; Database = library; Uid = root; Pwd = 2001;");

cmd = new MySqlCommand();

cmd.Connection = conn;

try

{

conn.Open();

cmd.CommandText = "SELECT\*FROM Newbook where bid=" + bid;

MySqlDataAdapter da = new MySqlDataAdapter(cmd);

DataSet ds = new DataSet();

da.Fill(ds);

dataGridView1.DataSource = ds.Tables[0];

txtbName.Text = ds.Tables[0].Rows[0][1].ToString();

txtbauthorName.Text = ds.Tables[0].Rows[0][2].ToString();

txtPublication.Text = ds.Tables[0].Rows[0][3].ToString();

txtDate.Text = ds.Tables[0].Rows[0][4].ToString();

txtPrice.Text = ds.Tables[0].Rows[0][5].ToString();

txtquantity.Text = ds.Tables[0].Rows[0][6].ToString();

// their need to start //

}

catch (Exception ex)

{

MessageBox.Show("Connection Have Failed" + ex, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

finally

{

conn.Close();

}

}

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

{

panel3.Visible = false;

}

private void textBox2\_TextChanged(object sender, EventArgs e)

{

if (textBox2.Text != "")

{

string book = textBox2.Text;

MySqlConnection conn;

MySqlCommand cmd;

conn = new MySqlConnection("Server = localhost; Port = 3306; Database = library; Uid = root; Pwd = 2001;");

cmd = new MySqlCommand();

cmd.Connection = conn;

try

{

conn.Open();

cmd.CommandText = "SELECT\*FROM Newbook where bName LIKE '" + book + "%'";

MySqlDataAdapter da = new MySqlDataAdapter(cmd);

DataSet ds = new DataSet();

da.Fill(ds);

dataGridView1.DataSource = ds.Tables[0];

//hello

txtbName.Text = ds.Tables[0].Rows[0][1].ToString();

txtbauthorName.Text = ds.Tables[0].Rows[0][2].ToString();

txtPublication.Text = ds.Tables[0].Rows[0][3].ToString();

txtDate.Text = ds.Tables[0].Rows[0][4].ToString();

txtPrice.Text = ds.Tables[0].Rows[0][5].ToString();

txtquantity.Text = ds.Tables[0].Rows[0][6].ToString();

// their need to start //

}

catch (Exception ex)

{

MessageBox.Show("No Books avaliable", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

finally

{

conn.Close();

}

}

else

{

ViewBook\_Load(sender, e);

}

}

private void button5\_Click(object sender, EventArgs e)

{

textBox2.Clear();

panel3.Visible = false;

ViewBook\_Load(sender, e);

}

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

{

if (MessageBox.Show("Data will be Updated", "Confirm", MessageBoxButtons.YesNo, MessageBoxIcon.Question) == DialogResult.Yes)

{

string bname = txtbName.Text;

string author\_name = txtbauthorName.Text;

string publisher\_name = txtPublication.Text;

string datepub = txtDate.Text;

double price = int.Parse(txtPrice.Text);

double quantity = int.Parse(txtquantity.Text);

MySqlConnection conn;

MySqlCommand cmd;

conn = new MySqlConnection("Server = localhost; Port = 3306; Database = library; Uid = root; Pwd = 2001;");

cmd = new MySqlCommand();

cmd.Connection = conn;

try

{

conn.Open();

cmd.CommandText = "UPDATE Newbook SET bName=@bname, bAuthor=@author\_name, bPubl=@publisher\_name, bDate=@datepub, bPrice=@price, bQuan=@quantity WHERE bid=@bid";

cmd.Parameters.AddWithValue("@bname", bname);

cmd.Parameters.AddWithValue("@author\_name", author\_name);

cmd.Parameters.AddWithValue("@publisher\_name", publisher\_name);

cmd.Parameters.AddWithValue("@datepub", datepub);

cmd.Parameters.AddWithValue("@price", price);

cmd.Parameters.AddWithValue("@quantity", quantity);

cmd.Parameters.AddWithValue("@bid", bid);

cmd.ExecuteNonQuery();

cmd.CommandText = "UPDATE Updatebook SET bName=@bname, bAuthor=@author\_name, bPubl=@publisher\_name, bDate=@datepub, bPrice=@price, bQuan=@quantity WHERE bid=@bid";

int rowaffected = cmd.ExecuteNonQuery();

if (rowaffected > 0)

{

MessageBox.Show("Updated Successfully", "Message", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

// we can get the connection

ViewBook\_Load(sender, e);

}

catch (Exception ex)

{

MessageBox.Show("Connection Have Failed" + ex, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

finally

{

conn?.Close();

}

}

}

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

{

MySqlConnection conn;

MySqlCommand cmd;

conn = new MySqlConnection("Server = localhost; Port = 3306; Database = library; Uid = root; Pwd = 2001;");

cmd = new MySqlCommand();

cmd.Connection = conn;

try

{

conn.Open();

cmd.CommandText = "DELETE FROM Newbook Where bid="+bid;

cmd.ExecuteNonQuery();

cmd.CommandText = "DELETE FROM Updatebook Where bid=" + bid;

int rowaffected = cmd.ExecuteNonQuery();

if (rowaffected > 0)

{

MessageBox.Show("Updated Successfully", "Message", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

// we can get the connection

ViewBook\_Load(sender, e);

}

catch (Exception ex)

{

MessageBox.Show("Connection Have Failed" + ex, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

// there are situations when connection get failed somehow

}

finally{

conn.Close();

}

}

}

}