Add\_Form

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

using System.Diagnostics;

using System.Runtime.ConstrainedExecution;

namespace test\_Database

{

public partial class Add\_Form : Form

{

string[] appart\_names = { "delux-1", "deluxe-2", "deluxe-3","luxe-1", "luxe-2", "luxe-3", "family-1", "family-2", "family-3", "king-1", "king-2", "king-3","№1-101", "№1-102","№2-101"};

Database database = new Database();

public Add\_Form()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void button\_save\_Click(object sender, EventArgs e)

{

database.openConnection();

bool right = false;

int guest\_id=-1;

int number\_id=-1;

int personnel\_id=-1;

var appart\_name = textBox\_appart\_name.Text;

if (int.TryParse(textBox\_number\_id.Text, out number\_id) && int.TryParse(textBox\_guest\_id.Text, out guest\_id) && int.TryParse(textBox\_personnel\_id.Text, out personnel\_id))

{

if(guest\_id>=4 && guest\_id<=22 && number\_id>=1 && number\_id<=31 && personnel\_id>=64 && personnel\_id<=93)

{

for (int i = 0; i<appart\_names.Length; i++)

if(appart\_name==appart\_names[i])

right = true;

}

}

if (right)

{

var addQuery = $"insert into reservation(guest\_id,number\_id,personnel\_id,appart\_name) values ({guest\_id},{number\_id},{personnel\_id},'{appart\_name}')";

var command = new SqlCommand(addQuery, database.getConnection());

command.ExecuteNonQuery();

MessageBox.Show("Запись успешно создана!", "Успех", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

else

{

MessageBox.Show("Запись не создана!\nВведите существующие данные", "", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

database.closeConnection();

}

}

}

Admin\_from

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace test\_Database

{

public partial class Admin\_form : Form

{

Database database = new Database();

public Admin\_form()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void button\_mriya\_admin\_Click(object sender, EventArgs e)

{

MRIYA\_admin frm\_mriya\_admin = new MRIYA\_admin();

this.Hide();

frm\_mriya\_admin.ShowDialog();

}

private void button\_sevsu\_admin\_Click(object sender, EventArgs e)

{

Sevsu\_admin frm\_sevsu\_admin = new Sevsu\_admin();

this.Hide();

frm\_sevsu\_admin.ShowDialog();

}

}

}

Log\_in

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

using System.Diagnostics;

using System.Runtime.ConstrainedExecution;

namespace test\_Database

{

public partial class log\_in : Form

{

Database database = new Database();

public log\_in()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void log\_in\_Load(object sender, EventArgs e)

{

// textBox\_password.PasswordChar = '\*';

pictureBox3.Visible = false;

textBox\_login.MaxLength = 50;

textBox\_password.MaxLength = 50;

}

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

{

var loginUser = textBox\_login.Text;

var passUser = textBox\_password.Text;

SqlDataAdapter adapter = new SqlDataAdapter();

DataTable table = new DataTable();

string querystring = $"select id\_user, login\_user, password\_user from register where login\_user = '{loginUser}' and password\_user = '{passUser}'";

SqlCommand command = new SqlCommand(querystring, database.getConnection());

adapter.SelectCommand = command;

adapter.Fill(table);

if (table.Rows.Count == 1)

{

MessageBox.Show("Вы успешно вошли!", "Успешно", MessageBoxButtons.OK, MessageBoxIcon.Information);

this.Hide();

if(loginUser == "admin")

{

Admin\_form frm\_admin = new Admin\_form();

frm\_admin.ShowDialog();

}

else

{

Guest\_form frm\_guest = new Guest\_form();

frm\_guest.ShowDialog();

}

this.Show();

}

else

MessageBox.Show("Такого аккаунта не существует!", "Аккаунта не существует!", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

private void linkLabel1\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

sign\_up frm\_sign = new sign\_up();

this.Hide();

frm\_sign.ShowDialog();

}

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

{

textBox\_login.Text = "";

textBox\_password.Text = "";

}

private void pictureBox3\_Click(object sender, EventArgs e)

{

textBox\_password.UseSystemPasswordChar = false;

pictureBox3.Visible = false;

pictureBox4.Visible = true;

}

private void pictureBox4\_Click(object sender, EventArgs e)

{

textBox\_password.UseSystemPasswordChar = true;

pictureBox3.Visible = true;

pictureBox4.Visible = false;

}

private void label1\_Click(object sender, EventArgs e)

{

}

}

}

Sign\_up

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace test\_Database

{

public partial class sign\_up : Form

{

Database dataBase = new Database();

public sign\_up()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void sign\_up\_Load(object sender, EventArgs e)

{

// textBox\_password2.PasswordChar = '\*';

pictureBox3.Visible = false;

textBox\_login2.MaxLength = 50;

textBox\_password2.MaxLength = 50;

}

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

{

if(checkUser() )

{

return;

}

var login = textBox\_login2.Text;

var password = textBox\_password2.Text;

var kod = textBox\_kod.Text;

if(login == "" || password == "")

{

MessageBox.Show("Поля не должны быть пустыми!");

return;

}

if (login == "admin" && kod == "1234"|| login == "guest")

{

string querystring = $"insert into register(login\_user,password\_user) values('{login}','{password}')";

SqlCommand command = new SqlCommand(querystring, dataBase.getConnection());

dataBase.openConnection();

if(command.ExecuteNonQuery() == 1 )

{

MessageBox.Show("Аккаунт успешно создан!","Успех!");

log\_in frm\_login = new log\_in();

frm\_login.ShowDialog();

}

else

{

MessageBox.Show("Аккаунт не создан!");

}

dataBase.closeConnection();

}

else

{

if (login == "admin")

{

MessageBox.Show("Введите Код Админа\n или используйте логин guest ");

}

else

{

MessageBox.Show("Допустимые логины: admin или guest");

}

}

}

private Boolean checkUser()

{

var loginUser = textBox\_login2.Text;

var passUser = textBox\_password2.Text;

SqlDataAdapter adapter = new SqlDataAdapter();

DataTable table = new DataTable();

string querystring = $"select id\_user, login\_user,password\_user from register where login\_user = '{loginUser}' and password\_user = '{passUser}'";

SqlCommand command = new SqlCommand(querystring, dataBase.getConnection());

adapter.SelectCommand = command;

adapter.Fill(table);

if(table.Rows.Count > 0 )

{

MessageBox.Show("Пользователь уже существует!");

return true;

}

else

{

return false;

}

}

private void btn\_Clear2\_Click(object sender, EventArgs e)

{

textBox\_login2.Text = "";

textBox\_password2.Text = "";

}

private void pictureBox3\_Click(object sender, EventArgs e)

{

textBox\_password2.UseSystemPasswordChar = false;

pictureBox3.Visible = false;

pictureBox4.Visible = true;

}

private void pictureBox4\_Click(object sender, EventArgs e)

{

textBox\_password2.UseSystemPasswordChar = true;

pictureBox3.Visible = true;

pictureBox4.Visible = false;

}

private void linkLabel1\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

log\_in frm\_log = new log\_in();

this.Hide();

frm\_log.ShowDialog();

}

}

}

Guest\_form

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace test\_Database

{

public partial class Guest\_form : Form

{

public Guest\_form()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void button\_mriya\_Click(object sender, EventArgs e)

{

MRIYA frm\_mriya = new MRIYA();

this.Hide();

frm\_mriya.ShowDialog();

}

private void button\_sevsu\_Click(object sender, EventArgs e)

{

Sevsu frm\_sevsu = new Sevsu();

this.Hide();

frm\_sevsu.ShowDialog();

}

private void Guest\_form\_Load(object sender, EventArgs e)

{

}

}

}

MRIYA

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Data.SqlClient;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace test\_Database

{

public partial class MRIYA : Form

{

Database database = new Database();

public MRIYA()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void link\_back\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

Guest\_form frm\_guest = new Guest\_form();

this.Hide();

frm\_guest.ShowDialog();

}

private void CreateColumns()

{

dataGridView1.Columns.Add("id", "id");

dataGridView1.Columns.Add("guest\_id", "Код гостя");

dataGridView1.Columns.Add("number\_id", "ID Номера");

dataGridView1.Columns.Add("personnel\_id", "Код персонала");

dataGridView1.Columns.Add("appart\_name", "Апартаменты");

dataGridView1.Columns.Add("IsNew", String.Empty);

}

private void ReadSingleRow(DataGridView dgw, IDataRecord record)

{

dgw.Rows.Add(record.GetInt32(0), record.GetInt32(1), record.GetInt32(2), record.GetInt32(3), record.GetString(4), RowState.ModifiedNew);

}

private void RefreshDataGrid(DataGridView dgw)

{

dgw.Rows.Clear();

string queryString = $"select \* from reservation where number\_id!=29 and number\_id!=30 and number\_id!=31;";

SqlCommand command = new SqlCommand(queryString, database.getConnection());

database.openConnection();

SqlDataReader reader = command.ExecuteReader();

while (reader.Read())

{

ReadSingleRow(dgw, reader);

}

reader.Close();

}

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

{

}

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

{

CreateColumns();

RefreshDataGrid(dataGridView1);

}

private void Search(DataGridView dgw)

{

dgw.Rows.Clear();

string searchString = $"select \* from reservation where concat(guest\_id,number\_id,personnel\_id,appart\_name) like '%" + textBox\_search.Text + "%'";

SqlCommand com = new SqlCommand(searchString, database.getConnection());

database.openConnection();

SqlDataReader read = com.ExecuteReader();

while (read.Read())

{

ReadSingleRow(dgw, read);

}

read.Close();

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

Search(dataGridView1);

}

}

}

MRIYA\_admin

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace test\_Database

{

enum RowState

{

Existed,

New,

ModifiedNew,

Deleted

}

public partial class MRIYA\_admin : Form

{

Database database = new Database();

public MRIYA\_admin()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void MRIYA\_admin\_Load(object sender, EventArgs e)

{

CreateColumns();

RefreshDataGrid(dataGridView1);

}

private void CreateColumns()

{

dataGridView1.Columns.Add("id","id");

dataGridView1.Columns.Add("guest\_id", "Код гостя");

dataGridView1.Columns.Add("number\_id", "ID Номера");

dataGridView1.Columns.Add("personnel\_id", "Код персонала");

dataGridView1.Columns.Add("appart\_name", "Апартаменты");

dataGridView1.Columns.Add("IsNew",String.Empty);

}

private void ClearFields()

{

textBox\_id.Text = "";

textBox\_guest\_id.Text = "";

textBox\_number\_id.Text = "";

textBox\_personnel\_id.Text = "";

textBox\_appart\_name.Text = "";

}

private void ReadSingleRow(DataGridView dgw, IDataRecord record)

{

dgw.Rows.Add(record.GetInt32(0),record.GetInt32(1), record.GetInt32(2),record.GetInt32(3),record.GetString(4),RowState.ModifiedNew);

}

private void RefreshDataGrid(DataGridView dgw)

{

dgw.Rows.Clear();

string queryString = $"select \* from reservation where number\_id!=29 and number\_id!=30 and number\_id!=31;";

SqlCommand command = new SqlCommand(queryString, database.getConnection());

database.openConnection();

SqlDataReader reader = command.ExecuteReader();

while(reader.Read())

{

ReadSingleRow (dgw,reader);

}

reader.Close();

}

private void link\_back\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

Admin\_form frm\_admin = new Admin\_form();

this.Hide();

frm\_admin.ShowDialog();

}

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

{

var selectedRow = e.RowIndex;

if(selectedRow >= 0)

{

DataGridViewRow row = dataGridView1.Rows[selectedRow];

textBox\_id.Text = row.Cells[0].Value.ToString();

textBox\_guest\_id.Text = row.Cells[1].Value.ToString();

textBox\_number\_id.Text = row.Cells[2].Value.ToString();

textBox\_personnel\_id.Text = row.Cells[3].Value.ToString();

textBox\_appart\_name.Text = row.Cells[4].Value.ToString();

}

}

private void picture\_update\_Click(object sender, EventArgs e)

{

RefreshDataGrid(dataGridView1);

ClearFields();

}

private void button\_new\_Click(object sender, EventArgs e)

{

Add\_Form addfrm = new Add\_Form();

addfrm.Show();

}

private void Search(DataGridView dgw)

{

dgw.Rows.Clear();

string searchString = $"select \* from reservation where concat(guest\_id,number\_id,personnel\_id,appart\_name) like '%" + textBox\_search.Text + "%'";

SqlCommand com = new SqlCommand(searchString,database.getConnection());

database.openConnection();

SqlDataReader read = com.ExecuteReader();

while(read.Read())

{

ReadSingleRow(dgw, read);

}

read.Close();

}

private void textBox\_search\_TextChanged(object sender, EventArgs e)

{

Search(dataGridView1);

}

private void deleteRow()

{

int index = dataGridView1.CurrentCell.RowIndex;

dataGridView1.Rows[index].Cells[5].Value = RowState.Deleted;

}

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

{

deleteRow();

ClearFields();

}

private void Updatetable()

{

database.openConnection();

for(int index =0; index < dataGridView1.Rows.Count; index++)

{

var rowState = (RowState)dataGridView1.Rows[index].Cells[5].Value;

if (rowState == RowState.Existed)

continue;

if(rowState == RowState.Deleted)

{

var id = Convert.ToInt32(dataGridView1.Rows[index].Cells[0].Value);

var deleteQuery = $"delete from reservation where id = {id}";

var command = new SqlCommand(deleteQuery, database.getConnection());

command.ExecuteNonQuery();

}

}

database.closeConnection();

}

private void button\_save\_Click(object sender, EventArgs e)

{

Updatetable();

}

private void picture\_Clean\_Click(object sender, EventArgs e)

{

ClearFields();

}

}

}

Sevsu

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace test\_Database

{

public partial class Sevsu : Form

{

public Sevsu()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void link\_back\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

Guest\_form frm\_guest = new Guest\_form();

this.Hide();

frm\_guest.ShowDialog();

}

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

{

}

}

}

Sevsu\_admin

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace test\_Database

{

public partial class Sevsu\_admin : Form

{

public Sevsu\_admin()

{

InitializeComponent();

StartPosition = FormStartPosition.CenterScreen;

}

private void Sevsu\_admin\_Load(object sender, EventArgs e)

{

}

private void link\_back\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

Admin\_form frm\_admin = new Admin\_form();

this.Hide();

frm\_admin.ShowDialog();

}

}

}