Maleeha Ali

**Login.cs**

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 Project2

{

public partial class Login : Form

{

public Login()

{

InitializeComponent();

CenterToScreen();

}

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

{

try

{

if (verifier("frontend".Trim(), loginUsername.Text.Trim(), loginPassword.Text.Trim()))

{

this.Hide();

Frontend hotel\_management = new Frontend();

hotel\_management.Show();

}

else if (verifier("kitchen".Trim(), loginUsername.Text.Trim(), loginPassword.Text.Trim()))

{

this.Hide();

Kitchen kitchen\_management = new Kitchen();

kitchen\_management.Show();

}

else

{

MessageBox.Show(this, "Username or Password is wrong, try again", "Login Failed", MessageBoxButtons.RetryCancel, MessageBoxIcon.Error);

}

}

catch (Exception ex)

{

MessageBox.Show(this, ex.ToString(), "Error", MessageBoxButtons.RetryCancel, MessageBoxIcon.Error);

}

}

public bool verifier(string tableName, string username, string password)

{

bool success = false;

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\source\repos\Project2\Project2\DB\LoginDB.mdf;Integrated Security=True;Connect Timeout=30");

string sql = "SELECT\* FROM " + tableName + " WHERE user\_name=@userName AND pass\_word=@password";

try

{

SqlCommand sqlCommand = new SqlCommand(sql, connection);

sqlCommand.CommandText = sql;

SqlParameter UsernameParametar = new SqlParameter("@username", SqlDbType.VarChar);

SqlParameter PassParametar = new SqlParameter("@password", SqlDbType.VarChar);

sqlCommand.Parameters.Add(UsernameParametar);

sqlCommand.Parameters.Add(PassParametar);

UsernameParametar.Value = username;

PassParametar.Value = password;

connection.Open();

SqlDataReader sqlReader = sqlCommand.ExecuteReader();

if (sqlReader.HasRows)

success = true;

connection.Close();

}

catch (Exception e)

{

MessageBox.Show(this, e.ToString(), "Error", MessageBoxButtons.RetryCancel, MessageBoxIcon.Error);

}

return success;

}

private void login\_FormClosing(object sender, FormClosingEventArgs e)

{

Application.Exit();

}

}

}

**Frontend.cs**

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.Configuration;

namespace Project2

{

public partial class Frontend : Form

{

public Frontend()

{

InitializeComponent();

CenterToScreen();

}

public Boolean tool = false;

public Int32 primartyID = 0;

public string birthday = "";

public int totalAmount = 0;

public string FPayment, FCnumber, FcardExpOne, FcardExpTwo, FCardCVC;

private double finalizedTotalAmount = 0.0;

private string paymentType;

private string paymentCardNumber;

private string MM\_YY\_Of\_Card;

private string CVC\_Of\_Card;

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

{

birthday = (monthComboBox.SelectedItem) + "-" + (dayComboBox.SelectedIndex + 1) + "-" + yearTextBox.Text;

Int32 getIDBack = 0;

string query = "insert into reservation(first\_name, last\_name, birth\_day, gender, phone\_number, email\_address, number\_guest, street\_address, apt\_suite, city, state, zip\_code, room\_type, room\_number, arrival\_time, leaving\_time, total\_bill, payment\_type, card\_number, card\_exp, card\_cvc) values('" + firstNameTextBox.Text +

"', '" + lastNameTextBox.Text + "', '" + birthday + "', '" + genderComboBox.SelectedItem + "', '" + phoneNumberTextBox.Text + "', '" + emailTextBox.Text +

"', '" + (qtGuestComboBox.SelectedIndex + 1) + "', '" + addLabel.Text + "', '" + aptTextBox.Text + "', '" + cityTextBox.Text +

"', '" + stateComboBox.SelectedItem + "', '" + zipTextBox.Text + "', '" + roomTypeComboBox.SelectedItem +

"', '" + roomNComboBox.SelectedItem + "', '" + entryDatePicker.Text + "', '" + depDatePicker.Text + "', '" + finalizedTotalAmount + "', '" + paymentType +

"','" + paymentCardNumber + "','" + MM\_YY\_Of\_Card + "','" + CVC\_Of\_Card + "');";

query += "SELECT CAST(scope\_identity() AS int)";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

try

{

connection.Open();

getIDBack = (Int32)query\_table.ExecuteScalar();

string userID = Convert.ToString(getIDBack);

MessageBox.Show(this, "Entry successfully inserted into Hotel System. " + "\n\n" +

"This is the guests ID number" + "\n\n" +

"Guest ID: " + userID, "Report", MessageBoxButtons.OK, MessageBoxIcon.Question);

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

ComboBoxItemsFromDataBase();

LoadForDataGridView();

reset\_frontend();

}

private void ComboBoxItemsFromDataBase()

{

string query = "Select \* from reservation";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

SqlDataReader reader;

try

{

connection.Open();

reader = query\_table.ExecuteReader();

while (reader.Read())

{

string ID = reader["ID"].ToString();

string first\_name = reader["first\_name"].ToString();

string last\_name = reader["last\_name"].ToString();

resEditButton.Items.Add(ID + " | " + first\_name + " " + last\_name);

}

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

private void LoadForDataGridView()

{

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query = new SqlCommand("Select \* from reservation", connection);

try

{

connection.Open();

SqlDataAdapter dataAdapter = new SqlDataAdapter(query);

DataTable dataTable = new DataTable();

dataAdapter.Fill(dataTable);

BindingSource bindingSource = new BindingSource();

bindingSource.DataSource = dataTable;

dataAdapter.Update(dataTable);

connection.Close();

}

catch (Exception)

{

MessageBox.Show(this, "Error loading data", "Error", MessageBoxButtons.RetryCancel, MessageBoxIcon.None);

}

}

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

{

submitButton.Visible = false;

updateButton.Visible = true;

deleteButton.Visible = true;

resEditButton.Visible = true;

ComboBoxItemsFromDataBase();

LoadForDataGridView();

reset\_frontend();

}

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

{

submitButton.Visible = true;

updateButton.Visible = false;

deleteButton.Visible = false;

resEditButton.Visible = false;

reset\_frontend();

}

public void ClearAllTextBoxes(Control controls)

{

foreach (Control control in controls.Controls)

{

if (control is TextBox)

{

((TextBox)control).Clear();

}

if (control.HasChildren)

{

ClearAllTextBoxes(control);

}

}

}

public void ClearAllComboBox(Control controls)

{

foreach (Control control in controls.Controls)

{

if (control == roomTypeComboBox)

{

continue;

}

else if (control is ComboBox)

{

((ComboBox)control).SelectedIndex = -1;

}

if (control.HasChildren)

{

ClearAllComboBox(control);

}

}

}

private void reset\_frontend()

{

try

{

resEditButton.Items.Clear();

ClearAllComboBox(this);

ClearAllTextBoxes(this);

ComboBoxItemsFromDataBase();

}

catch (Exception ex)

{

MessageBox.Show(this, ex.ToString(), "Error", MessageBoxButtons.OKCancel, MessageBoxIcon.Error);

}

}  
private void resEditButton\_SelectedIndexChanged\_1(object sender, EventArgs e)

{

string getQuerystring = resEditButton.Text.Substring(0, 4).Replace(" ", string.Empty);

string query = "Select \* from reservation where Id= '" + getQuerystring + "'";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

SqlDataReader reader;

try

{

connection.Open();

reader = query\_table.ExecuteReader();

while (reader.Read())

{

tool = true;

string ID = reader["Id"].ToString();

string first\_name = reader["first\_name"].ToString();

string last\_name = reader["last\_name"].ToString();

string birth\_day = reader["birth\_day"].ToString();

string gender = reader["gender"].ToString();

string phone\_number = reader["phone\_number"].ToString();

string email\_address = reader["email\_address"].ToString();

string number\_guest = reader["number\_guest"].ToString();

string street\_address = reader["street\_address"].ToString();

string apt\_suite = reader["apt\_suite"].ToString();

string city = reader["city"].ToString();

string state = reader["state"].ToString();

string zip\_code = reader["zip\_code"].ToString();

string room\_type = reader["room\_type"].ToString();

string room\_number = reader["room\_number"].ToString();

string payment\_type = reader["payment\_type"].ToString();

string card\_number = reader["card\_number"].ToString();

string card\_exp = reader["card\_exp"].ToString();

string card\_cvc = reader["card\_cvc"].ToString();

roomNComboBox.Items.Add(room\_number);

roomNComboBox.SelectedItem = room\_number;

FPayment = payment\_type; FCnumber = card\_number;

FCardCVC = card\_cvc; FcardExpOne = card\_exp.Substring(0, card\_exp.IndexOf('/'));

FcardExpTwo = card\_exp.Substring(card\_exp.Length - Math.Min(2, card\_exp.Length));

string arrival\_date = Convert.ToDateTime(reader["arrival\_time"]).ToString("MM-dd-yyyy").Replace(" ", string.Empty);

entryDatePicker.Value = Convert.ToDateTime(arrival\_date);

string leaving\_date = Convert.ToDateTime(reader["leaving\_time"]).ToString("MM-dd-yyyy").Replace(" ", string.Empty);

depDatePicker.Value = Convert.ToDateTime(leaving\_date);

entryDatePicker.Value.ToShortDateString();

depDatePicker.Value.ToShortDateString();

firstNameTextBox.Text = first\_name;

lastNameTextBox.Text = last\_name;

phoneNumberTextBox.Text = phone\_number;

genderComboBox.SelectedItem = gender;

monthComboBox.SelectedItem = birth\_day.Substring(0, birth\_day.IndexOf('-'));

dayComboBox.SelectedItem = birth\_day.Substring(birth\_day.IndexOf('-') + 1, 2);

yearTextBox.Text = birth\_day.Substring(birth\_day.Length - Math.Min(4, birth\_day.Length));

emailTextBox.Text = email\_address;

qtGuestComboBox.SelectedItem = number\_guest;

addLabel.Text = street\_address;

aptTextBox.Text = apt\_suite;

cityTextBox.Text = city;

stateComboBox.SelectedItem = state;

zipTextBox.Text = zip\_code;

roomTypeComboBox.SelectedItem = room\_type.Replace(" ", string.Empty);

roomNComboBox.SelectedItem = room\_number.Replace(" ", string.Empty);

primartyID = Convert.ToInt32(ID);

}

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show("COMBOBOX Selection: + " + ex.Message);

}

}

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

{

if (primartyID > 1000)

{

string query = "delete from reservation where Id = '" + primartyID + "'";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

SqlDataReader reader;

try

{

connection.Open();

reader = query\_table.ExecuteReader();

MessageBox.Show(this, "Reservation for Guest ID : " + "\n\n" +

" " + primartyID + " DELETED.", "Deleted", MessageBoxButtons.OK, MessageBoxIcon.Stop);

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show(this, "Selected ID doesn't exist." + ex.ToString(), "Error", MessageBoxButtons.RetryCancel, MessageBoxIcon.Warning);

}

}

else

{

MessageBox.Show(this, "Selected ID doesn't exist.", "Error", MessageBoxButtons.RetryCancel, MessageBoxIcon.Warning);

}

ComboBoxItemsFromDataBase();

LoadForDataGridView();

reset\_frontend();

}

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

{

birthday = (monthComboBox.SelectedItem) + "-" + (dayComboBox.SelectedIndex + 1) + "-" + yearTextBox.Text;

// MessageBox.Show(Convert.ToString(cleaning) + " " + Convert.ToString(towel) + " " + Convert.ToString(surprise));

string query = "update reservation set first\_name ='" + firstNameTextBox.Text +

"', last\_name ='" + lastNameTextBox.Text + "', birth\_day='" + birthday + "', gender='" + genderComboBox.SelectedItem + "', phone\_number='" + phoneNumberTextBox.Text + "', email\_address='" + emailTextBox.Text +

"', number\_guest='" + (qtGuestComboBox.SelectedIndex + 1) + "', street\_address='" + addLabel.Text + "', apt\_suite='" + aptTextBox.Text + "', city='" + cityTextBox.Text +

"', state='" + stateComboBox.SelectedItem + "', zip\_code='" + zipTextBox.Text + "', room\_type='" + roomTypeComboBox.SelectedItem + "', room\_number='" + roomNComboBox.SelectedItem + "', arrival\_time='" + entryDatePicker.Text + "', leaving\_time='" + depDatePicker.Text + "', total\_bill='" + finalizedTotalAmount + "', payment\_type='" + paymentType +

"', card\_number='" + paymentCardNumber + "',card\_exp='" + MM\_YY\_Of\_Card + "', card\_cvc='" + CVC\_Of\_Card + "' WHERE Id = '" + primartyID + "';";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

SqlDataReader reader;

try

{

connection.Open();

string userID = Convert.ToString(primartyID);

reader = query\_table.ExecuteReader();

MessageBox.Show(this, "Successfully updated Guest ID : " + "\n\n" +

" " + userID, "Report", MessageBoxButtons.OK, MessageBoxIcon.Question);

while (reader.Read())

{

}

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

ComboBoxItemsFromDataBase();

reset\_frontend();

LoadForDataGridView();

}

private void roomTypeComboBox\_SelectedIndexChanged(object sender, EventArgs e)

{

if (roomTypeComboBox.SelectedItem.Equals("Single"))

{

totalAmount = 100;

}

else if (roomTypeComboBox.SelectedItem.Equals("Double"))

{

totalAmount = 200;

}

else if (roomTypeComboBox.SelectedItem.Equals("Queen"))

{

totalAmount = 300;

}

else if (roomTypeComboBox.SelectedItem.Equals("King"))

{

totalAmount = 400;

}

else if (roomTypeComboBox.SelectedItem.Equals("Suite"))

{

totalAmount = 500;

}

int selectedTemp = 0;

string selected;

bool temp = int.TryParse(qtGuestComboBox.SelectedItem.ToString(), out selectedTemp);

if (!temp)

{

MessageBox.Show(this, "Enter # of guests first", "Error parsing", MessageBoxButtons.OK);

}

else

{

selected = qtGuestComboBox.SelectedItem.ToString();

selectedTemp = Convert.ToInt32(selected);

if (selectedTemp >= 3)

{

totalAmount += (selectedTemp \* 5);

}

}

}

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

{

updateButton.Enabled = true;

FinalizePayment finalizebill = new FinalizePayment();

finalizebill.totalAmountFromFrontend = totalAmount;

if (tool)

{

finalizebill.paymentComboBox.SelectedItem = FPayment.Replace(" ", string.Empty);

finalizebill.phoneNComboBox.Text = FCnumber;

finalizebill.monthComboBox.SelectedItem = FcardExpOne;

finalizebill.yearComboBox.SelectedItem = FcardExpTwo;

finalizebill.cvcComboBox.Text = FCardCVC;

}

finalizebill.ShowDialog();

finalizedTotalAmount = finalizebill.FinalTotalFinalized;

paymentType = finalizebill.PaymentType;

paymentCardNumber = finalizebill.PaymentCardNumber;

MM\_YY\_Of\_Card = finalizebill.MM\_YY\_Of\_Card1;

CVC\_Of\_Card = finalizebill.CVC\_Of\_Card1;

submitButton.Visible = true;

}

}

}

**FinalizePayment.cs**

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 Project2

{

public partial class FinalizePayment : Form

{

public FinalizePayment()

{

InitializeComponent();

CenterToParent();

}

public int totalAmountFromFrontend = 0;

public int kitchenBill = 0;

public int foodBill = 0;

private double finalTotalFinalized = 0.0;

private string paymentType;

public double FinalTotalFinalized

{

get { return finalTotalFinalized; }

set { finalTotalFinalized = value; }

}

public string PaymentType

{

get { return paymentType; }

set { paymentType = value; }

}

private string paymentCardNumber;

public string PaymentCardNumber

{

get { return paymentCardNumber; }

set { paymentCardNumber = value; }

}

private string MM\_YY\_Of\_Card;

public string MM\_YY\_Of\_Card1

{

get { return MM\_YY\_Of\_Card; }

set { MM\_YY\_Of\_Card = value; }

}

private string CVC\_Of\_Card;

public string CVC\_Of\_Card1

{

get { return CVC\_Of\_Card; }

set { CVC\_Of\_Card = value; }

}

private string CardType;

public string CardType1

{

get { return CardType; }

set { CardType = value; }

}

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

{

try

{

PaymentType = paymentComboBox.Text;

PaymentCardNumber = phoneNComboBox.Text;

MM\_YY\_Of\_Card1 = monthComboBox.SelectedItem.ToString() + "/" + yearComboBox.SelectedItem.ToString();

CVC\_Of\_Card1 = cvcComboBox.Text;

this.Hide();

}

catch (Exception)

{

MessageBox.Show(this, "Error Closing the window", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void phoneNComboBox\_Leave(object sender, EventArgs e)

{

long getphn = Convert.ToInt64(phoneNComboBox.Text);

string formatString = String.Format("{0:0000-0000-0000-0000}", getphn);

phoneNComboBox.Text = formatString;

}

private void FinalizePayment\_Load\_1(object sender, EventArgs e)

{

double totalWithTax = Convert.ToDouble(totalAmountFromFrontend) \* 0.07;

double FinalTotal = Convert.ToDouble(totalAmountFromFrontend) + totalWithTax;

currentBillAmount.Text = "$" + Convert.ToString(totalAmountFromFrontend);

taxAmount.Text = "$" + Convert.ToString(totalWithTax);

totalAmount.Text = "$" + Convert.ToString(FinalTotal);

FinalTotalFinalized = FinalTotal;

}

}

}

**Kitchen.cs**

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 Project2

{

public partial class Kitchen : Form

{

public Kitchen()

{

InitializeComponent();

}

public int foodBill;

public Int32 primartyID = 0;

public double finalizedTotalAmount = 0.0;

public Boolean taskFinder = false;

private int steak = 0;

public int Steak

{

get { return steak; }

set { steak = value; }

}

private int porkChop = 0;

public int PorkChop

{

get { return porkChop; }

set { porkChop = value; }

}

private int salmon = 0;

public int Salmon

{

get { return salmon; }

set { salmon = value; }

}

private int burger = 0;

public int Burger

{

get { return burger; }

set { burger = value; }

}

private int lobster = 0;

public int Lobster

{

get { return lobster; }

set { lobster = value; }

}

private int beer = 0;

public int Beer

{

get { return beer; }

set { beer = value; }

}

private int wine = 0;

public int Wine

{

get { return wine; }

set { wine = value; }

}

private int soda = 0;

public int Soda

{

get { return soda; }

set { soda = value; }

}

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

{

totalBillLabel.Visible = Enabled;

if (steakCheckBox.Checked)

{

steak = Convert.ToInt32(steakQTY.Text);

}

if (porkChopCheckBox.Checked)

{

porkChop = Convert.ToInt32(porkChopQTY.Text);

}

if (burgerCheckBox.Checked)

{

burger = Convert.ToInt32(burgerQTY.Text);

}

if (lobsterCheckBox.Checked)

{

lobster = Convert.ToInt32(lobsterQTY.Text);

}

if (salmonCheckBox.Checked)

{

salmon = Convert.ToInt32(salmonQTY.Text);

}

if (beerCheckBox.Checked)

{

beer = Convert.ToInt32(beerQTY.Text);

}

if (wineCheckBox.Checked)

{

wine = Convert.ToInt32(wineQTY.Text);

}

if (sodaCheckBox.Checked)

{

soda = Convert.ToInt32(sodaQTY.Text);

}

foodBill = 20 \* steak + 16 \* porkChop + 12 \* burger + 15 \* salmon + 23 \* lobster + 6 \* beer + 10 \* wine + 3 \* soda;

totalBillLabel.Text = "$" + Convert.ToString(foodBill) + " USD";

}

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

{

if (steakCheckBox.Checked)

{

steakQTY.Enabled = true;

}

}

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

{

if (porkChopCheckBox.Checked)

{

porkChopQTY.Enabled = true;

}

}

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

{

if (burgerCheckBox.Checked)

{

burgerQTY.Enabled = true;

}

}

private void salmonCheckBox\_CheckedChanged\_1(object sender, EventArgs e)

{

if (salmonCheckBox.Checked)

{

salmonQTY.Enabled = true;

}

}

private void lobsterCheckBox\_CheckedChanged\_1(object sender, EventArgs e)

{

if (lobsterCheckBox.Checked)

{

lobsterQTY.Enabled = true;

}

}

private void beerCheckBox\_CheckedChanged\_1(object sender, EventArgs e)

{

if (beerCheckBox.Checked)

{

beerQTY.Enabled = true;

}

}

private void wineCheckBox\_CheckedChanged\_1(object sender, EventArgs e)

{

if (wineCheckBox.Checked)

{

wineQTY.Enabled = true;

}

}

private void sodaCheckBox\_CheckedChanged\_1(object sender, EventArgs e)

{

if (sodaCheckBox.Checked)

{

sodaQTY.Enabled = true;

}

}

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

{

submitB.Visible = true;

userComboBox.Visible = true;

ComboBoxItemsFromDataBase();

LoadForDataGridView();

}

private void ComboBoxItemsFromDataBase()

{

string query = "Select \* from reservation";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

SqlDataReader reader;

try

{

connection.Open();

reader = query\_table.ExecuteReader();

while (reader.Read())

{

string ID = reader["ID"].ToString();

string first\_name = reader["first\_name"].ToString();

string last\_name = reader["last\_name"].ToString();

userComboBox.Items.Add(ID + " | " + first\_name + " " + last\_name);

}

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

}

private void LoadForDataGridView()

{

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query = new SqlCommand("Select \* from reservation", connection);

try

{

connection.Open();

SqlDataAdapter dataAdapter = new SqlDataAdapter(query);

DataTable dataTable = new DataTable();

dataAdapter.Fill(dataTable);

BindingSource bindingSource = new BindingSource();

bindingSource.DataSource = dataTable;

dataAdapter.Update(dataTable);

connection.Close();

}

catch (Exception)

{

MessageBox.Show(this, "Error loading data", "Error", MessageBoxButtons.RetryCancel, MessageBoxIcon.None);

}

}

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

{

userComboBox.Visible = true;

submitB.Visible = true;

ComboBoxItemsFromDataBase();

LoadForDataGridView();

}

private void userComboBox\_SelectedIndexChanged(object sender, EventArgs e)

{

string getQuerystring = userComboBox.Text.Substring(0, 4).Replace(" ", string.Empty);

string query = "Select \* from reservation where Id= '" + getQuerystring + "'";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

SqlDataReader reader;

try

{

connection.Open();

reader = query\_table.ExecuteReader();

while (reader.Read())

{

taskFinder = true;

string ID = reader["Id"].ToString();

primartyID = Convert.ToInt32(ID);

}

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show("COMBOBOX Selection: + " + ex.Message);

}

}

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

{

string query = "update reservation set food\_bill ='" + foodBill + "', total\_bill = total\_bill + '" + foodBill + "' WHERE Id = '" + primartyID + "';";

SqlConnection connection = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Gary\Desktop\Project2 Editted\Project2\DB\reservations.mdf;Integrated Security=True;Connect Timeout=30");

SqlCommand query\_table = new SqlCommand(query, connection);

SqlDataReader reader;

try

{

connection.Open();

string userID = Convert.ToString(primartyID);

reader = query\_table.ExecuteReader();

MessageBox.Show(this, "Successfully updated Guest ID : " + "\n\n" +

" " + userID, "Report", MessageBoxButtons.OK, MessageBoxIcon.Question);

while (reader.Read())

{

}

connection.Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message);

}

ComboBoxItemsFromDataBase();

LoadForDataGridView();

}

}

}