VISUAL PROGRAMMING – FINAL TERM PRACTICAL EXAM

Rating

This practical exam is to create a system code, design a user interface and insert data into the MySQL database using the Visual Basic programming language.

Program *(50pts)*	Excellent	Good	Fair	Poor
Program execution	Program executes correctly with no syntax or runtime errors *(9-10pts)*	Program executes with a minor (2-10) error *(3-8pts)*	Program executes with a more (11-20) errors *(3-8pts)*	Program does not execute and only at the starting page *(0-2pts)*
Design of output	Program displays more than expected *(9-10pts)*	Program displays minimally expected output *(7-8pts)*	Program does not display the required output *(3-6pts)*	Output is poorly designed *(0-2 pts)*
Correct output	Program displays correct output with no errors *(9-10pts)*	Output has minor errors *(7-8pts)*	Output has multiple errors *(3-6pts)*	Output is incorrect *(0-2 pts)*
Attention to detail and instruction	Program contains no errors attributable to simple mistakes or oversights. Spelling, form title, object names, choice of objects, object alignment, etc. *(9-10pts)*	Program contains minor *(2-10) of* the following: spelling error, form title, object used incorrectly, label, etc. *(7-8pts)*	Program contains multiple *(11-20)* minor *of* the following: spelling error, form title, object used incorrectly, label, etc. *(3-6pts)*	Program contains *more than 20* of the following: spelling errors, form title, and object used incorrectly, label, etc. *(0-2 pts)*
Database Connectivity	All transaction data will be insert into the database *(8-10pts)*		Some of the data does not inserted to the database *(2-7pts)*	No data connection at all *(0-1pts)*

Project Name: LASTNAME_AS(No.)_FPE   Example: BANDAS_AS118_FPE

Each form must have a proper name   Example: Form1 -> Login Page

TIME: 2 Days   **DEADLINE:** 2nd day @11:59pm

NOTE:

- Read always the instruction.
- Create and design your program based on what the instruction given. Use internet to get an icon for the program. Every data of the transaction must be inserted to your tables of the database.
- Copying and modifying the work of your classmate is prohibited. (Automatic **FAILED** if caught).
- When submitting your finished system, export the MySQL database and include it to your system folder. Then compressed your system using WinZip or WinRAR only.
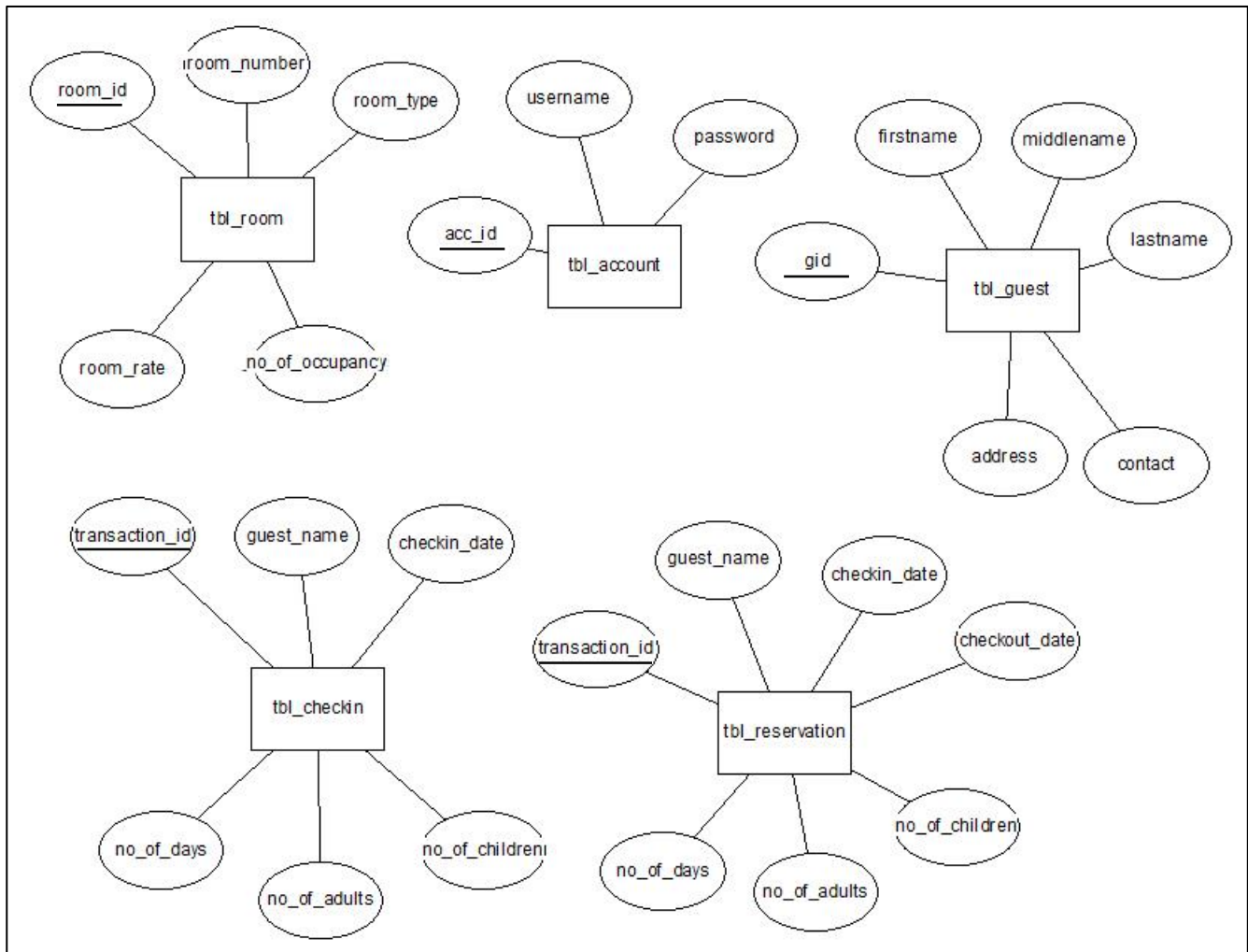
Run the MySql XAMPP and create a database and tables. The **LASTNAME** should be replaced with your family name and (No) for the subject code.

Database: db_LASTNAME_AS(No.)_FPE   Example: db_BANDAS_AS118_FPE
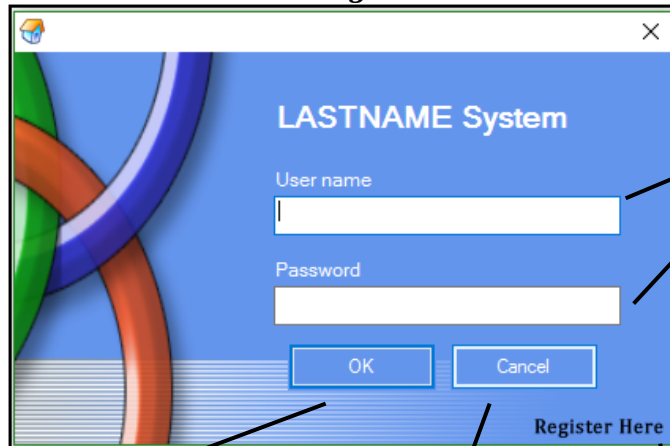
Tables: tbl_guest,   tbl_room,   tbl_reservation,   tbl_checkin,   tbl_account

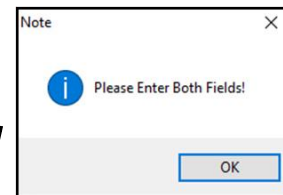Create the fields of each table based on the attribute shown in the image below.

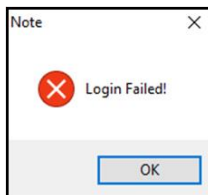Create a form similar to *Image#1.* The **LASTNAME** should be replaced with your family name.

Image#1

LASTNAME System

User name

Password

OK   Cancel

Register Here

Note   ×

ⓘ Please Enter Both Fields!

OK

An alert message will appear that is similar to the image above *(with title, icon and button)* if there is no text inputted in the username and password once it is submitted.
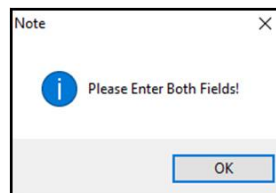
Note   ×

❌ Login Failed!

OK

An alert message will appear that is similar to the image above *(with title, icon and button)* if the username and password is not correct.

Note   ×

ⓘ Login Successful!

OK

An alert message will appear that is similar to the image above *(with title, icon and button)* if the username and password is correct and proceed to the main page.
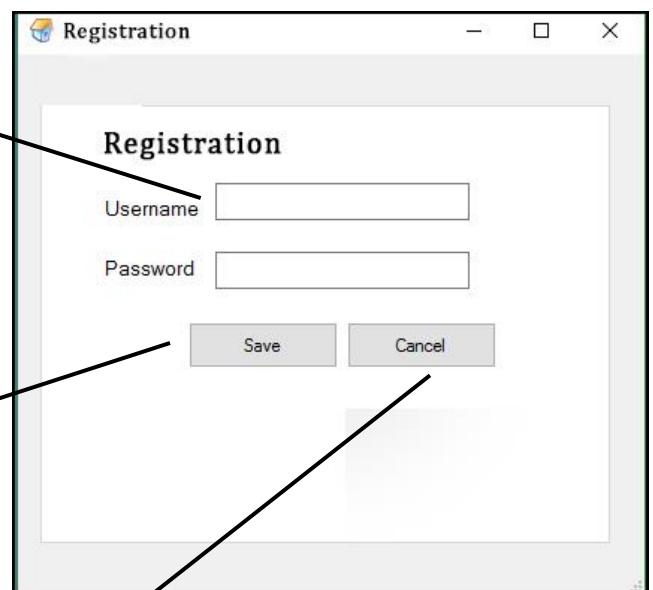
Note   ×

ⓘ Please Enter Both Fields!

OK

An alert message will appear that is similar to the image above *(with title, icon and button)* if there is no text inputted in the username and password once it is save.

Registration   — □ ×

Registration

Username

Password

Save   Cancel

Account Registration   ×
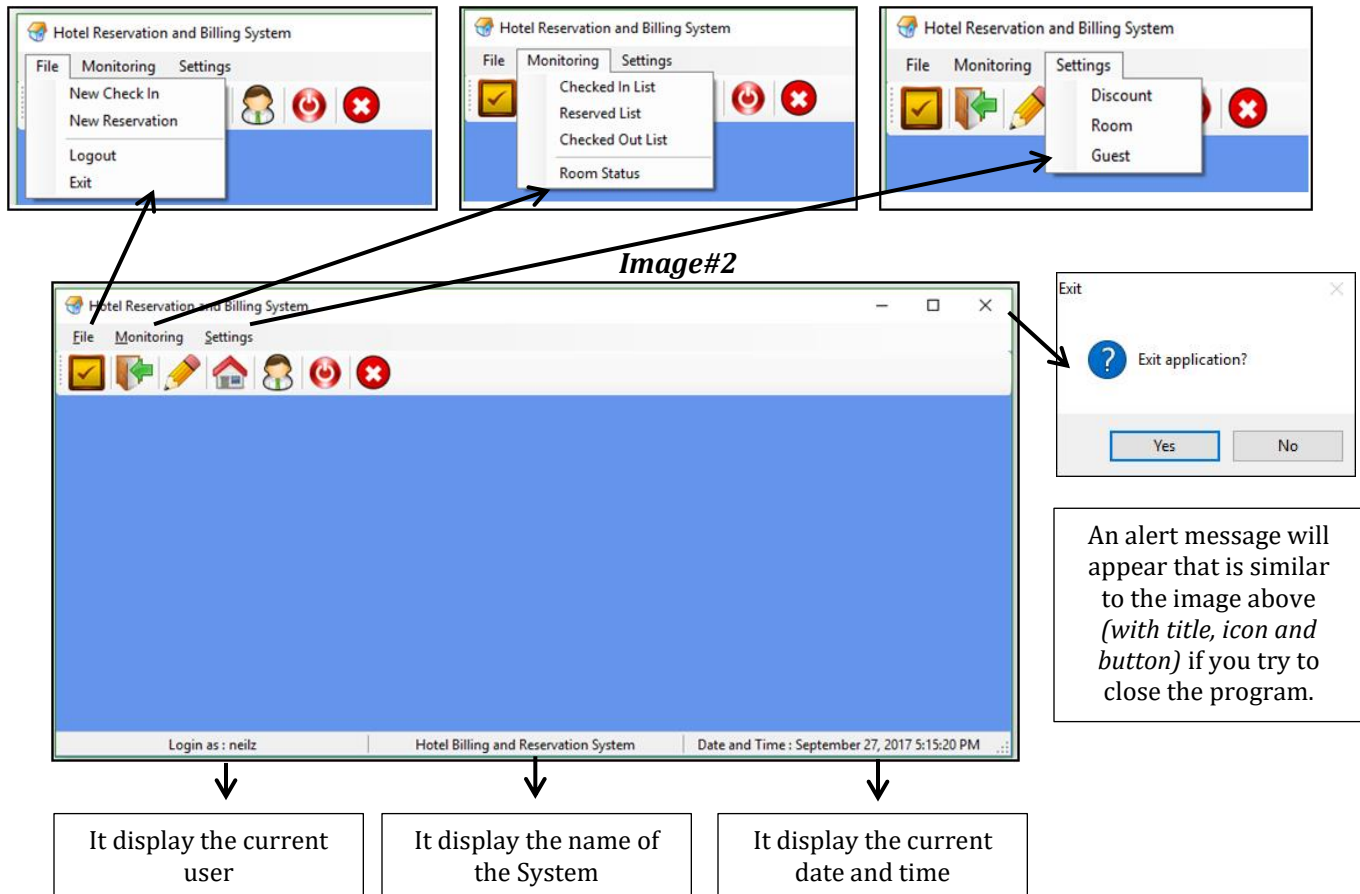
ⓘ Successfully Added!

OK

An alert message will appear that is similar to the image *(with title, icon and button)* if the username and password are successfully inputted.
NOTE:
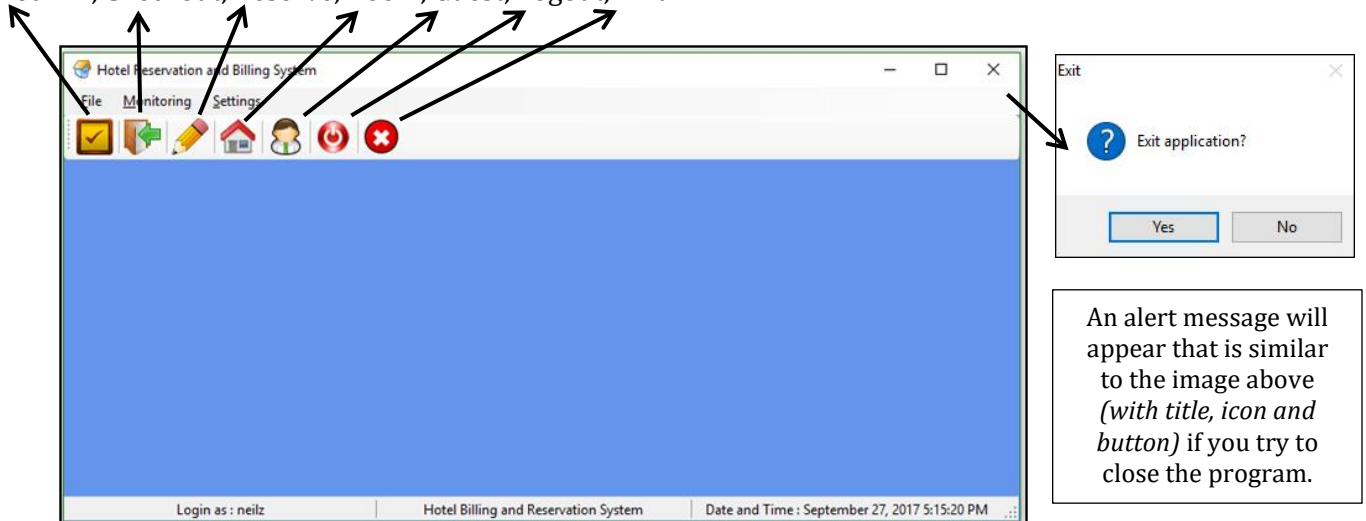The data inputted must be inserted to the table of your database.

Cancel button will close the Registration Form and open the Login Page

Create another form similar to *Image#2*. Use the *MenuStrip* for the system menu **File**, **Monitoring**, and **Setting**.

Image#2

It display the current user	It display the name of the System	It display the current date and time

Use *ToolStrips* for creating a button and placed under the menu. If you mouse hover the button it will display the button name which is:
Check-in, Checkout, Reserve, Room, Guest, Logout, Exit

An alert message will appear that is similar to the image above *(with title, icon and button)* if you try to close the program.

Create another form (Check in Form) similar to *Image#3*. If you click the Checkin button a dialog box will appear.
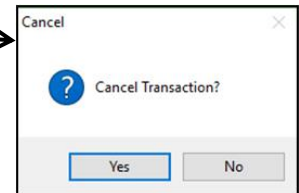
Image#3
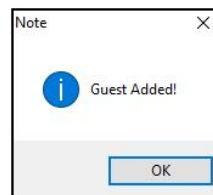

An alert message will appear that is similar to the image above *(with title, icon and button)* if you try to close the check in form.
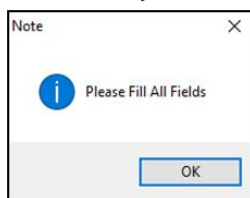
The clear button will remove the inputted text in all the textboxes

An alert message will appear that is similar to the image above *(with title, icon and button)* if there is no text inputted in the textboxes once it is checkin.

An alert message will appear that is similar to the image above *(with title, icon and button)* if all the textboxes are filled and check-in.
NOTE:
The data inputted of the Checkin Form must be inserted into the table of your database.

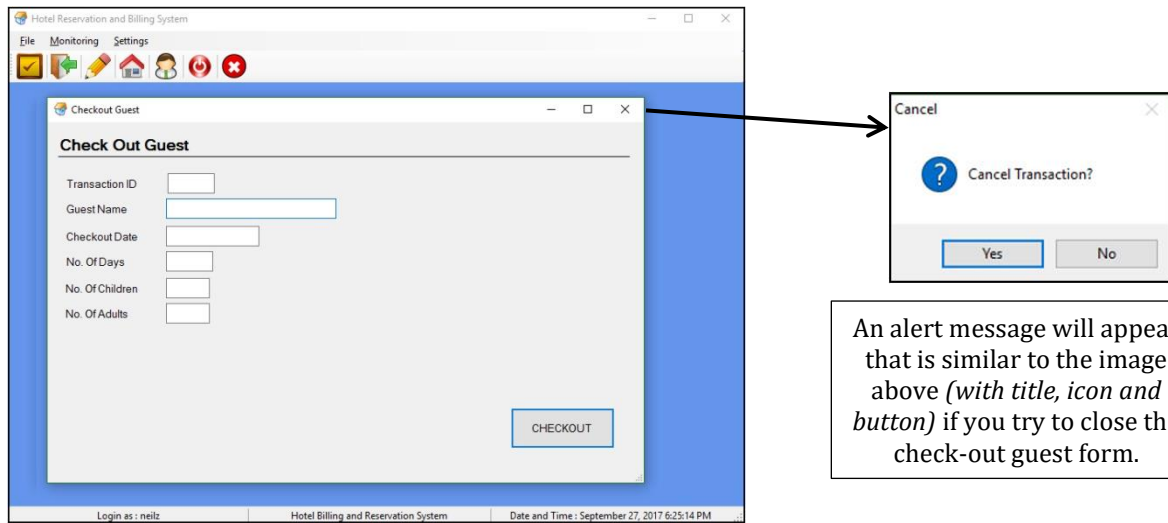Create a DataGridView similar to *Image#4.*

Image#4

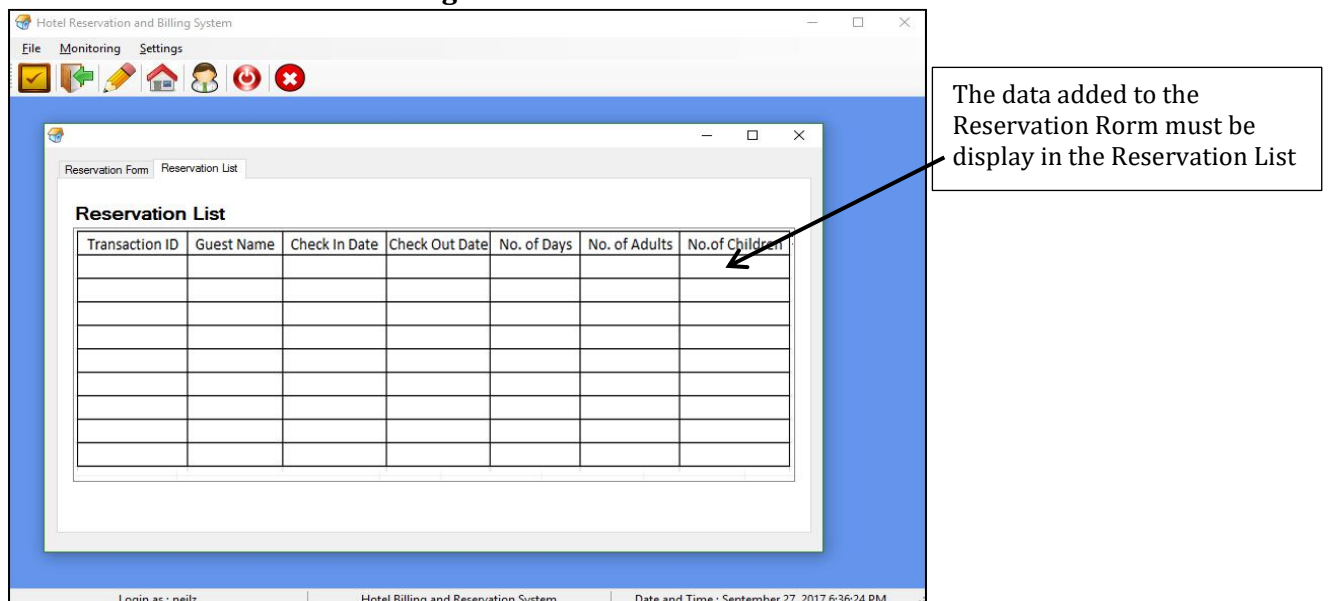The data added to the checkin form must be display in the check in list

Create another form (Check out Guest) similar to *Image#5*. If you click the checkout button a dialog box will appear.

<p align="center">***Image#5***</p>

An alert message will appear that is similar to the image above *(with title, icon and button)* if you try to close the check-out guest form.

Create another form (Reservation Form) similar to *Image#6*. If you click the checkin button a dialog box will appear.

Image#6
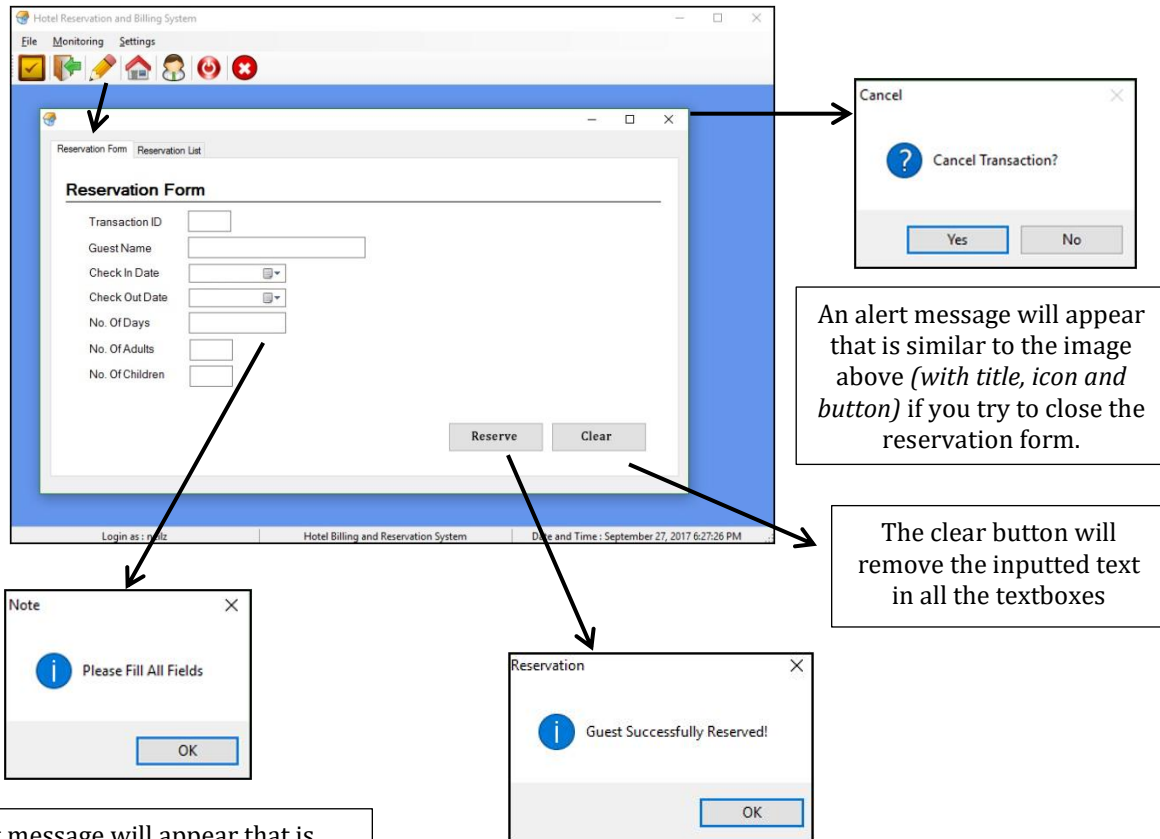
An alert message will appear that is similar to the image above *(with title, icon and button)* if you try to close the reservation form.

The clear button will remove the inputted text in all the textboxes

An alert message will appear that is similar to the image above *(with title, icon and button)* if there is no text inputted in the textboxes once it is reserve

An alert message will appear that is similar to the image above *(with title, icon and button)* if all the textboxes are filled and submit.
NOTE:
The data inputted of the Reservation Form must be inserted into the table of your database.

Create a DataGridView similar to *Image#7.*

Image#7

The data added to the Reservation Rorm must be display in the Reservation List

Create another form (Room Form) similar to *Image#8.* If you click the room button a dialog box will appear.

<div align="center">

Image#8

</div>

An alert message will appear that is similar to the image above *(with title, icon and button)* if you try to close the room form.

The clear button will remove the inputted text in all the textboxes

An alert message will appear that is similar to the image above *(with title, icon and button)* if there is no text inputted in the textboxes once it is save

An alert message will appear that is similar to the image above *(with title, icon and button)* if all the textboxes are filled and save.
NOTE:
The data inputted to the Room Form must be inserted into the table of your database.

Create a DataGridView similar to *Image#9.*

<div align="center">

Image#9

</div>

The data added to the New Room Form must be display in the Room List

Create another form (Guest Form) similar to *Image#10.* If you click the room button a dialog box will appear.

Image#8

An alert message will appear that is similar to the image above *(with title, icon and button)* if you try to close the guest form.

The clear button will remove the inputted text in all the textboxes

An alert message will appear that is similar to the image above *(with title, icon and button)* if there is no text inputted in the textboxes once it is save

An alert message will appear that is similar to the image above *(with title, icon and button)* if all the textboxes are filled and save.
NOTE:
The data inputted to the Guest Form must be inserted into the table of your database.
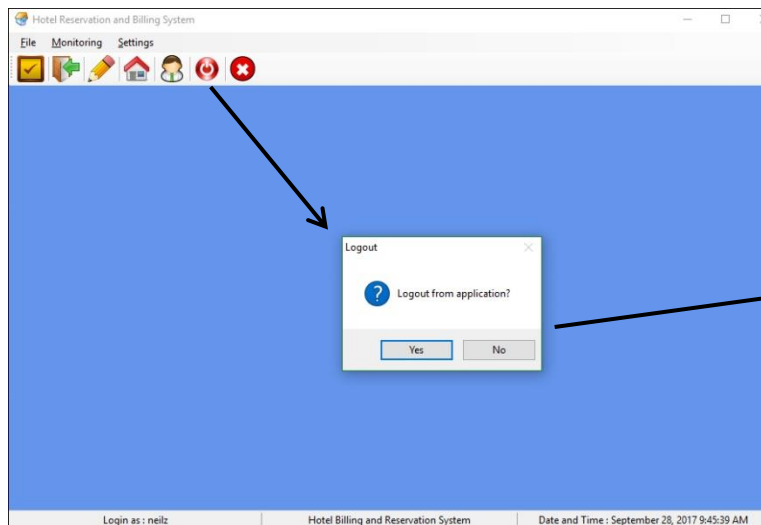
Create a DataGridView similar to *Image#11.*

Image#11

The data added to the New Guest Form must be display in the Guest List

If you click the logout button an alert message will appear similar to **Image#12.**

Image#12

An alert message will appear that is similar to the image *(with title, icon and button)*
Choices:
YES – it will logout and proceed to the Login Page
NO – remain in the current page.

If you click the exit button an alert message will appear similar to **Image#13.**

Image#13

An alert message will appear that is similar to the image *(with title, icon and button)*
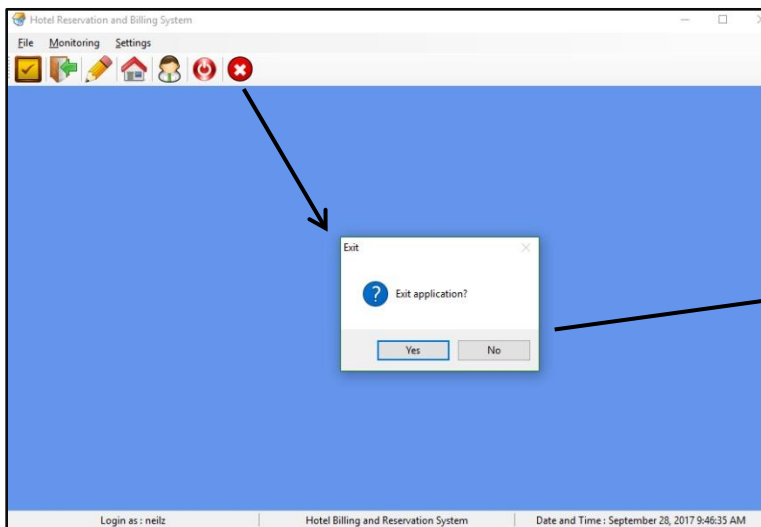Choices:
YES – it will close the application or system
NO – remain in the current page.