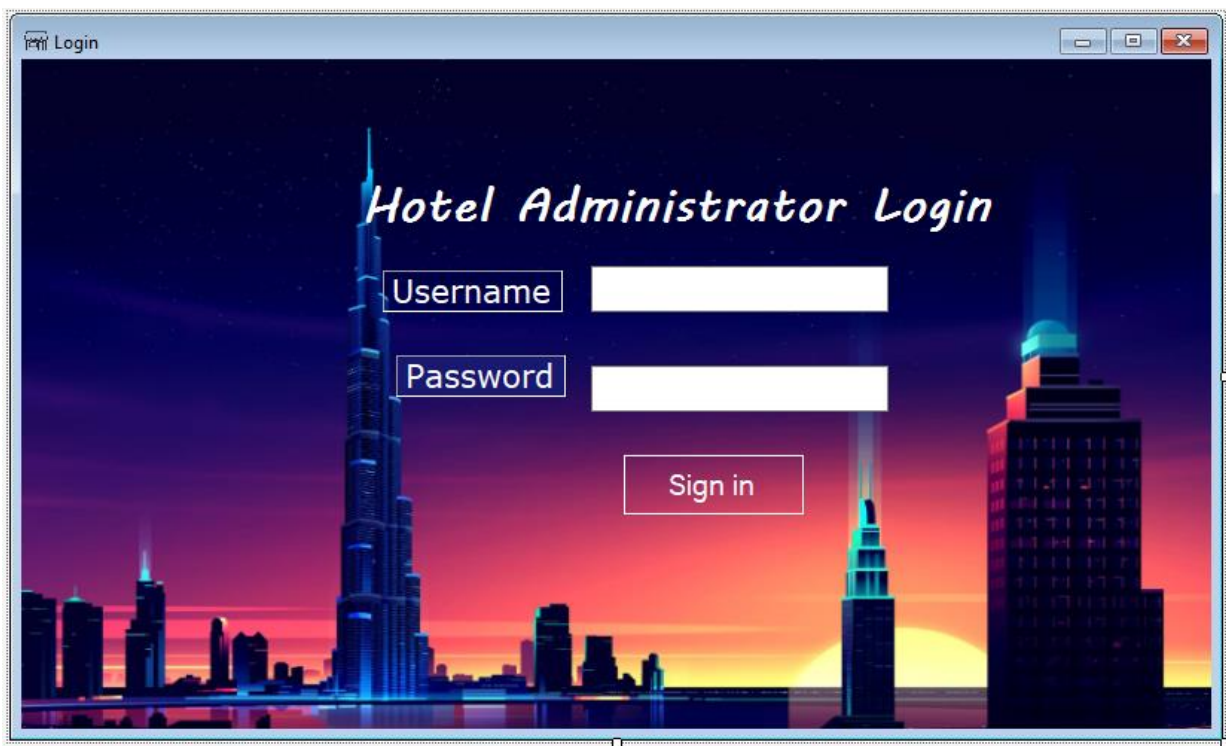
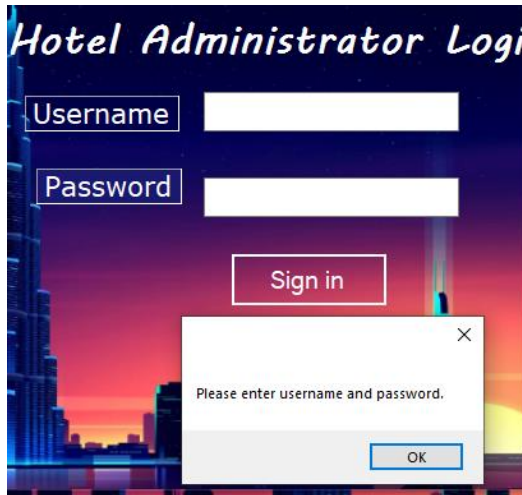


Introduction:

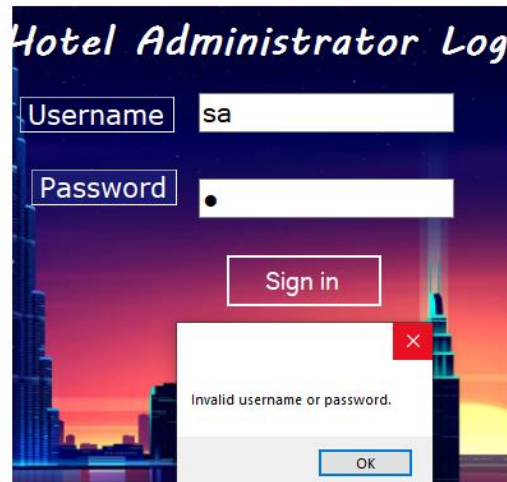
In this project I have developed a hotel management system for working employees. With that, I can put their information on an SQL database, edit or delete information from there as well. This page also manages the employee's username and passwords, which gives them access to this program.



This is the project's main form. Depending on if you enter information correctly it will grant you access to the main menu where you can select the other 6 forms.

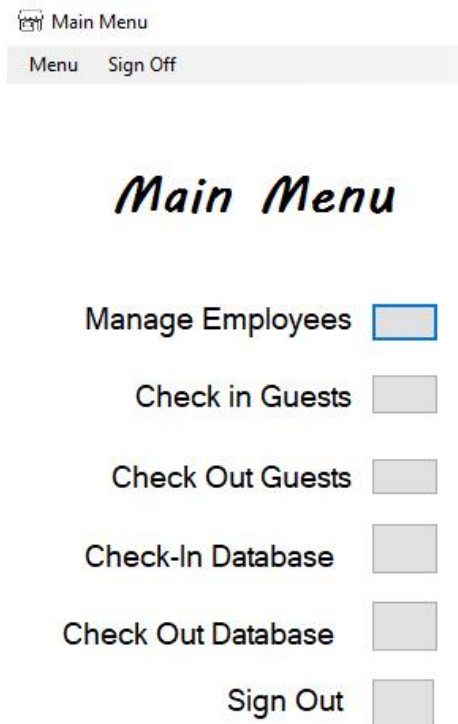


No password/username inputted.



invalid username/pw

correct
user & pass



Once the user inputs the correct username and password, they can access the main menu. Which leads to 6 other options. For now, we will talk about managing employees.

Employees

Menu

Manage Employees

EmployeeID	FullName	EmployeeNumber	Username	Password
1	Admin	E001	sa	pw
2	Employee	E002	em	em
3	Project Manager	E003	pm	pm
10	John	E004	John99	99John
11	Samuel	E005	sam_09	1020
12	Margaret	E006	margy29	29th_x!0

Refresh

Employee Number

Employee Name

E-Username

E-Password

Is Admin:

Add

Delete

Edit

Search Name

The manage employee page allows us to view all the employees the hotel has, it also allows us to edit, add or delete any of the information presented here. Alongside that, it comes with a function that lets the user search names for easier viewing. For now, we will search "John" on the search bar.

Employees

Menu

Manage Employees

EmployeeID	FullName	EmployeeNumber	Username	Password
10	John	E004	John99	99John
*				

Refresh

Employee Number

Employee Name

Add

John

Search Name

This filters the results for easier viewing.

Adding Employees

Employee Number: E005
Employee Name: Maggie
E-Username: maggie19
E-Password: 09_19
Is Admin: ☒

Add Delete Edit

John Search Name

An error occurred: Violation of UNIQUE KEY constraint 'UQ_Employee__8D663598DB90CB36'. Cannot insert duplicate key in object 'dbo.Employee'. The duplicate key value is (E005). The statement has been terminated.

measures against duplicate employee IDs

OK

Refresh

Employee added successfully!

changing this resulted in it being successfully added

OK

Employee Number: E007

Manage Employees

EmployeeID	Full Name	Employee Number	Username	Password
3	Project Manager	E003	pm	pm
10	John	E004	John99	99John
11	Samuel	E005	sam_00	0020
12	Margaret	E006	marg_23	23marg_10
15	Maggie	E007	maggie19	09_19

user added

Employee Number
Employee Name
E-Username
E-Password
Is Admin

Add Delete Edit

textboxes cleared after adding

Editing Employees

Refresh

EmployeeID	FullName	EmployeeNumber	Username	Password
3	Project Manager	E003	pm	pm
10	John	E004	John99	99John
11	Samuel	E005	sam_09	1020
12	Margaret	E006	margy29	29th_x!0
16	Maggie	E007	maggie19	09_!19
*				

Employee Number: E008

Employee Name:

E-Username:

-verifies if the user exists in the database with the employee number

Employee Number: E007

Employee Name: Maggie

E-Username: Mag19

E-Password:

Is Admin:

Edit

An error occurred while editing employee: The parameterized query '(@FullName nvarchar(6),@Username nvarchar(5),@Password nvarchar) expects the parameter '@IsAdmin', which was not supplied.

requires all blanks to be filled

Employee Number: E007

Employee Name: Maggie

E-Username: Mag19

E-Password: 19mag

Is Admin: N

Add

Delete

Edit

Employee updated successfully!

16	Maggie	E007	maggie19	09_!19
16	Maggie	E007	Mag19	19mag

Employee info gets updated.

Deleting Employees

Employee Number: E008

Employee Name:

E-Username:

E-Password:

Is Admin: N

Edit

Employee with the provided number does not exist.

OK

verifies if employee exists

16	Maggie	E007	Mag19	19mag

Number: E007

Name:

Add

Delete

Confirmation

! Are you sure you want to delete the employee?

Yes No

if they do, asks for confirmation before deleting

	EmployeeID	FullName	EmployeeNumber	Username	Password
	2	Employee	E002	em	em
	3	Project Manager	E003	pm	pm
	10	John	E004	John99	99John
	11	Samuel	E005	sam_09	1020
	12	Margaret	E006	margy29	29th_x!0
*					

employee deleted from database

Check In Page

Check-in

Menu

Check In


Guest's Name:

Cost:

Room Number:

Date From:

Date To:



Allows user to input guest names, cost of booking, room number, and the dates the guest will be staying. It also allows for quick access to the Check-in database.

Check In

Guest's Name:

Cost:

Room Number:

Date From:

Date To:

Check In ID	Guest Name	Guest Number	Room Number	Date From	Date To
4	Johanna	95227	1	5/8/2024	5/10/2024

Safety system that does not allow for duplicates.

This room is already booked for the selected dates. Please choose another room or adjust the dates.

Check-in

Menu

Check In

Guest's Name:

Cost:

Room Number:

Date From:

Date To:

Check-in added successfully!

Check In ID	Guest Name	Guest Number	Room Number	Date From
4	Johanna	95227	1	5/8/2024
6	Nikolai	64862	8	5/19/2024
7	Todd	90248	8	6/18/2024
10	Lyon	69517	6	5/8/2024
11	Pedro	21928	2	5/8/2024

The process of checking in in the check in form.

Check-in Database

Menu

Manage Checked In

	CheckInID	GuestName	GuestNumber	RoomNumber	DateFrom	DateTo	Cost
▶	4	Johanna	95227	1	5/8/2024	5/10/2024	480.00
	6	Nikolai	64862	8	5/19/2024	6/6/2024	890.00
	7	Todd	90248	8	6/18/2024	6/19/2024	100.00
	10	Lyon	69517	6	5/8/2024	5/11/2024	580.00
	11	Pedro	21928	2	5/8/2024	5/8/2024	780.00
*							

< >

Guest Number

Guest Name

Room No.

Cost

DateFrom: 5/ 8/2024

Date To: 5/ 8/2024

Search Name

Delete

Edit

The check-in database form. This allows for editing and deleting information on here and comes with a search function like the employee one, where it lets you search for a specific name on here.

11	Pedro	21928	2	5/8/2024	5/8/2024
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* < >

Guest Number

Guest Name

Room No.

Cost

DateFrom: 5/ 8/2024

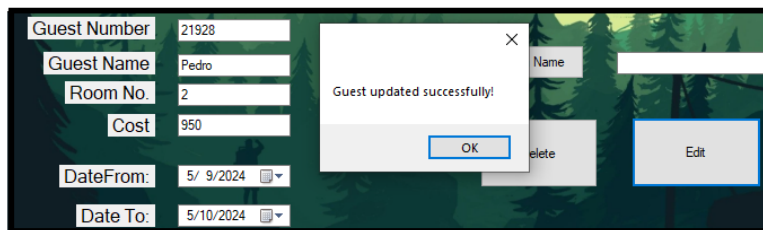
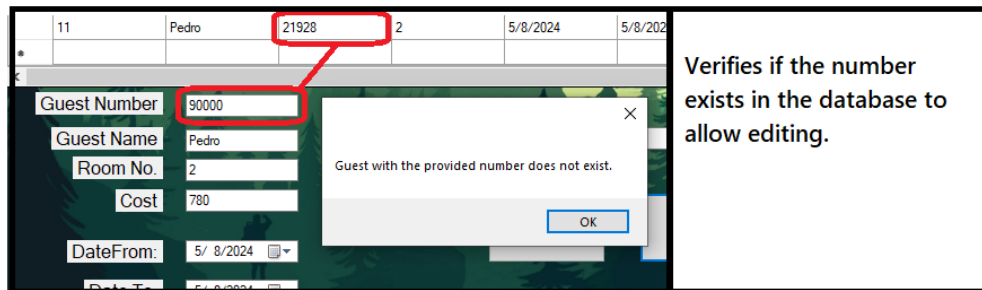
Date To: 5/ 8/2024

Verifies if the number exists in the database to allow editing.

Guest with the provided number does not exist.

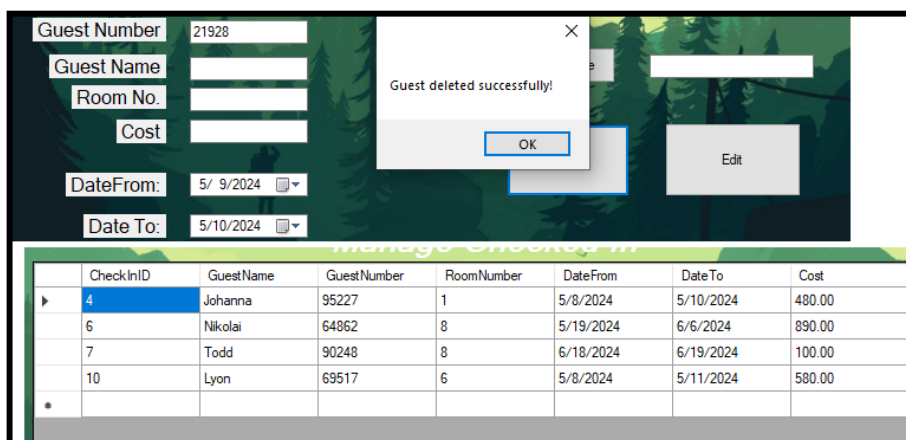
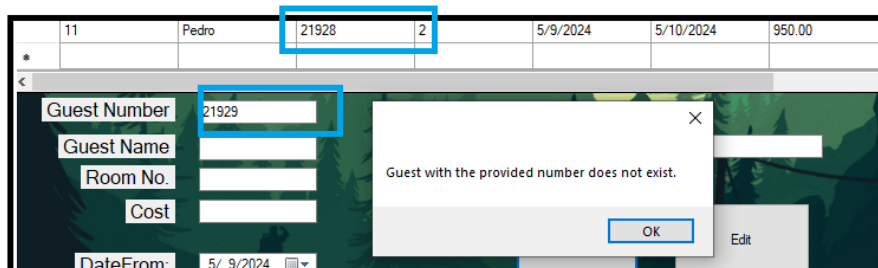
OK

To edit, you must input an existing guest number to be able to edit database information regarding it.



11	Pedro	21928	2	5/9/2024	5/10/2024	950.00
----	-------	-------	---	----------	-----------	--------

A successful edit.



For deletion, all you need to input is the guest number. This also verifies if the guest number exists and asks for your confirmation if you want to delete it.

Check-out

Menu

Check Out

Guest's ID Number

Paid Amount:

Date Checked Out:

6/27/2024

Check-Out

Go to Check Out-Table

GuestNumber	GuestName	Cost
95227	Johanna	480.00
64862	Nikolai	890.00
69517	Lyon	580.00
*		

Search by name:

Search Database

A successful check-out. Todd is no longer in the checked in- database.

Manage Check Out

CheckOutID	GuestName	GuestNumber	DateCheckedOut	RoomNumber	AmountPaid	EmployeeID
1	Edna E.	17130	5/11/2024	101	600.00	
2	Morgana	13103	5/23/2024	2	560.00	
3	Todd	90248	6/27/2024	8	100.00	
*						

Guest Number

Guest Name

Room No.

Amount Paid

Date CO'd:

Wednesday, May 8, 2024

Search Name

Delete

Edit

And can now be found in the checked-out database. Which has the full view of previous logs.

Editing Guest Check Outs

Manage Check Out

	CheckOutID	GuestName	GuestNumber	DateCheckedOut	RoomNumber	AmountPaid	EmployeeID
▶	1	Edna E.	17130	5/11/2024	101	600.00	
	2	Morgana	13103	5/23/2024	2	560.00	
	3	Todd	90248	6/27/2024	8	100.00	
*							

Guest Number

90249

Guest Name

Todd

Room No.

8

Amount Paid

150

Date CO'd:

Wednesday, July 10, 2024

Guest with the provided number does not exist.

OK

verifies if guest number exists in the database

Guest Number

90248

Guest Name

Todd

Room No.

8

Amount Paid

150

Date CO'd:

Wednesday, July 10, 2024

Guest updated successfully!

OK

3	Todd	90248	7/10/2024	8	150.00	
---	------	-------	-----------	---	--------	--

A successful check out edit.

Check-out Database

Menu

Manage Check Out

	CheckOutID	GuestName	GuestNumber	DateCheckedOut	RoomNumber	AmountPaid	EmployeeID
▶	1	Edna E.	17130	5/11/2024	101	600.00	
	2	Morgana	13103	5/23/2024	2	560.00	
	3	Todd	90248	7/10/2024	8	150.00	
*							

Guest Number: 13103

Guest Name:

Room No.:

Amount Paid:

Date CO'd: Wednesday, July 10, 2024

Confirmation

! Are you sure you want to delete the guest?

Yes No



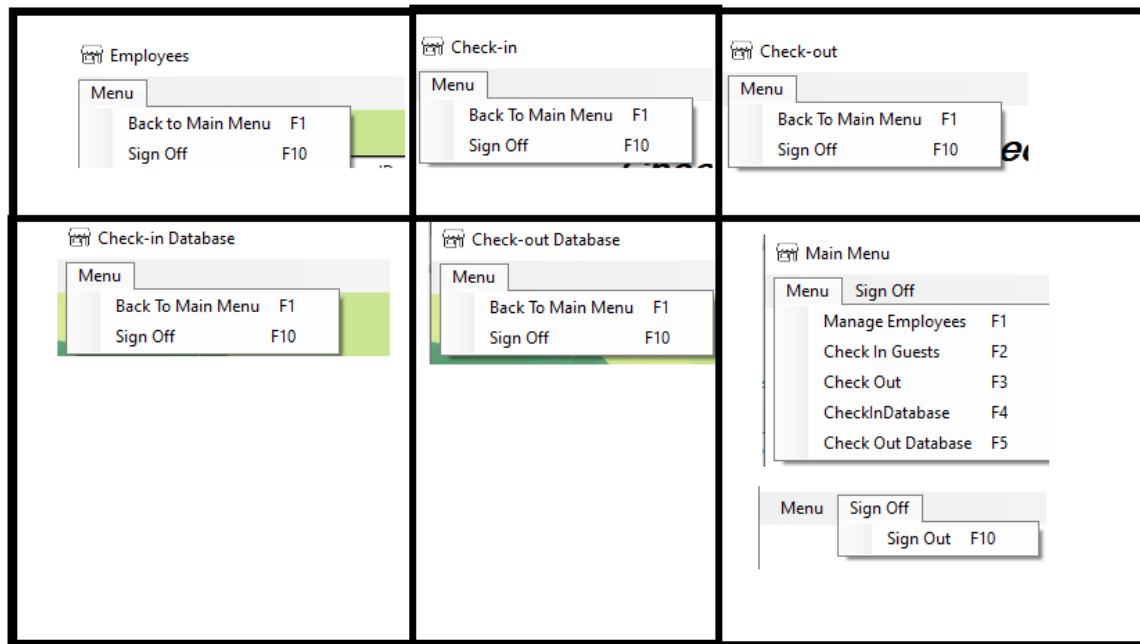
	CheckOutID	GuestName	GuestNumber	DateCheckedOut	RoomNumber	AmountPaid	EmployeeID
▶	1	Edna E.	17130	5/11/2024	101	600.00	
	3	Todd	90248	7/10/2024	8	150.00	
*							

A successful check-out log deletion.

Sign Out



The main menu also includes a sign out button. This allows you to go back to the login page of the program.



This is included alongside every form of the program, which allows for easy access to the main menu and the login menu.