



**BOUTIQUE HOTEL**

Object Oriented Programming 2  
project milestone 2

*Hotel Members*



## Application Interface Design (GUI):

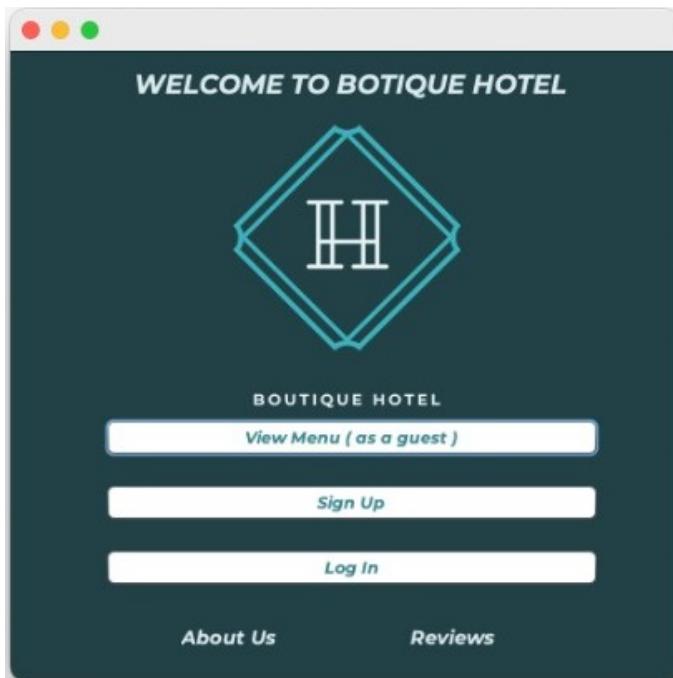


Figure 1: Welcoming page

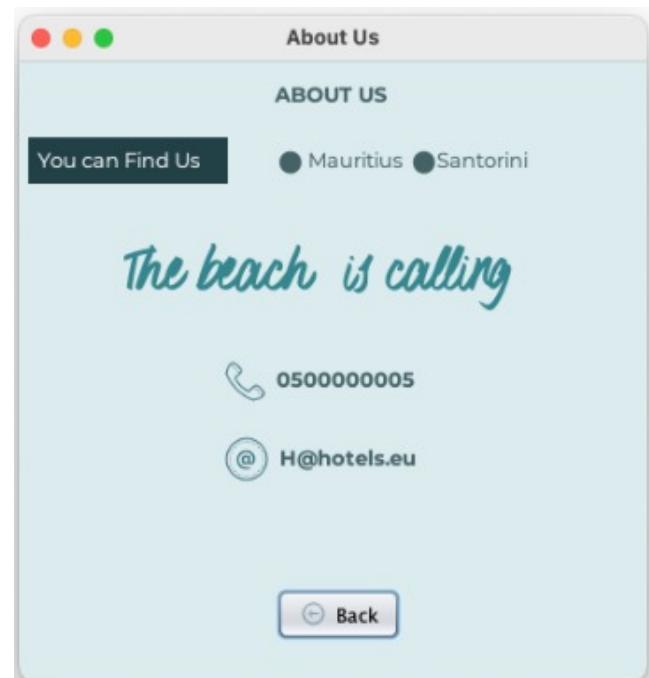


Figure 2: About us

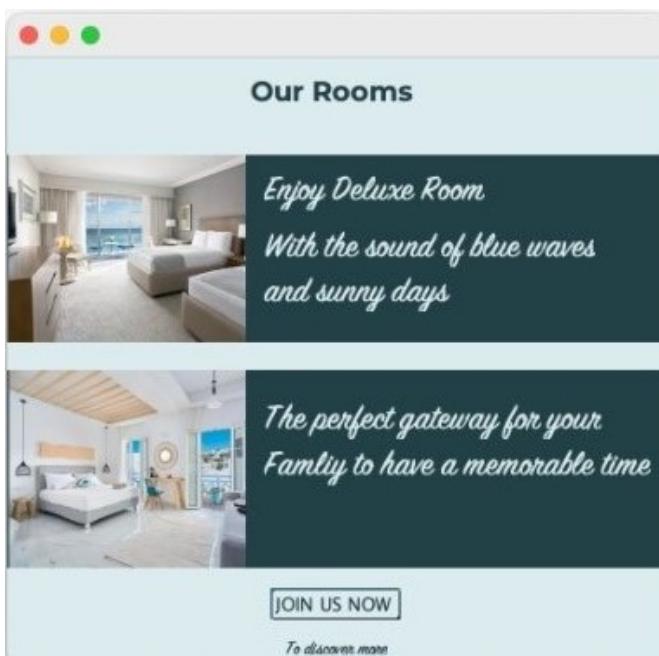


Figure 3: Guest menu

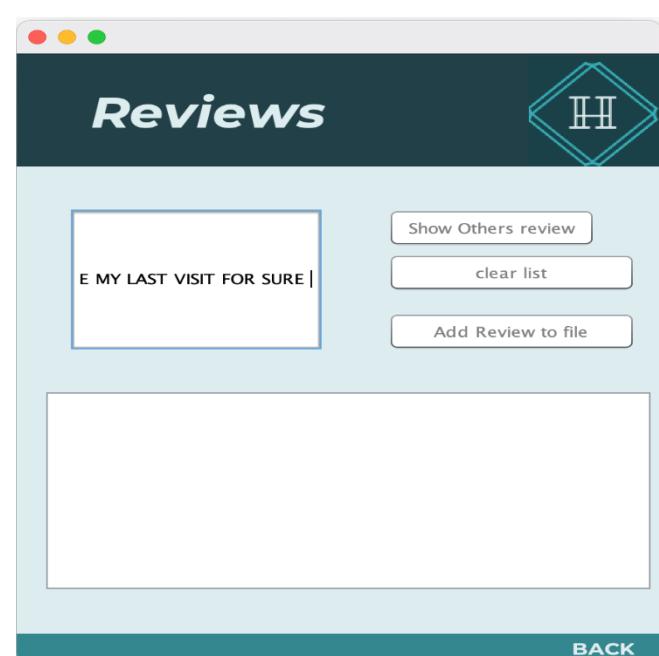


Figure 4: A customer adding review



figure 5: user retrieving other customers reviews.

figure 6: user sign up the information.

figure 7: an error message will be shown if the user entered unmatched password.

figure 8: Customer login with button for admin login.

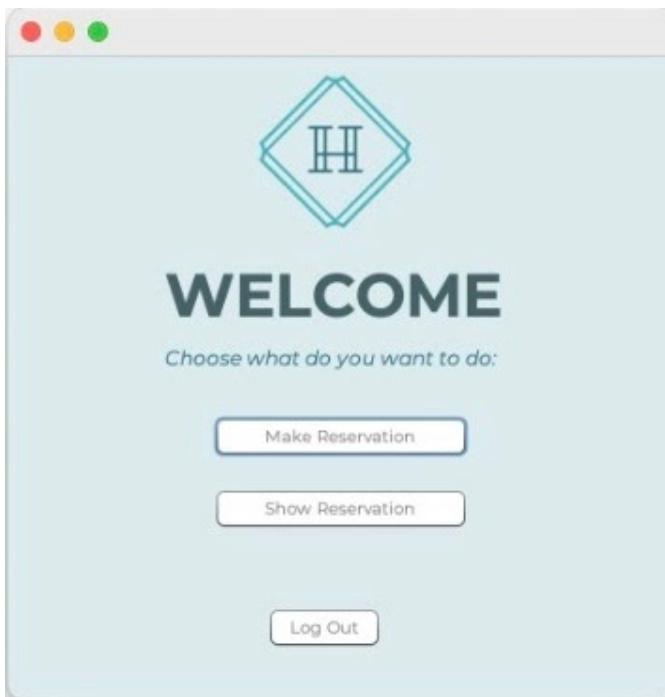


Figure 9: customer interface to make a reservation or show an exist reservation.

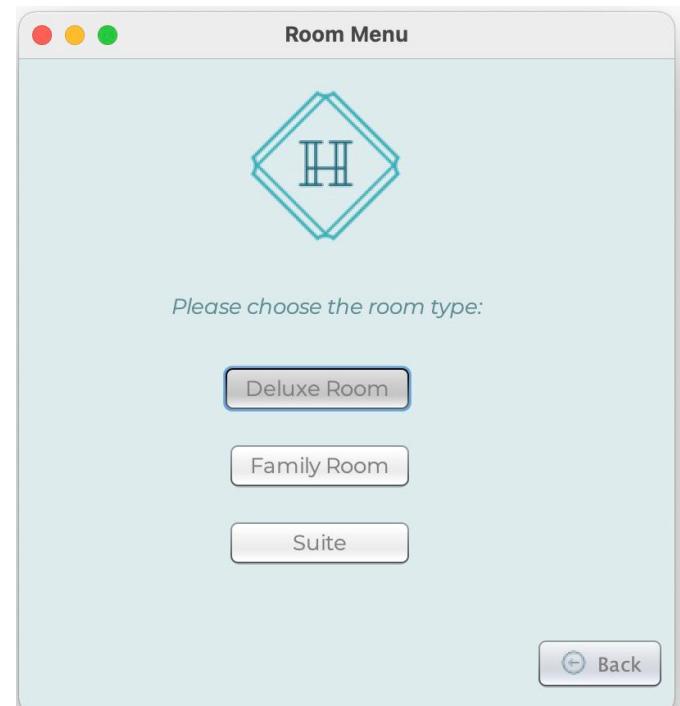


Figure 10: customer choose the room type that would like to view by clicking the button.

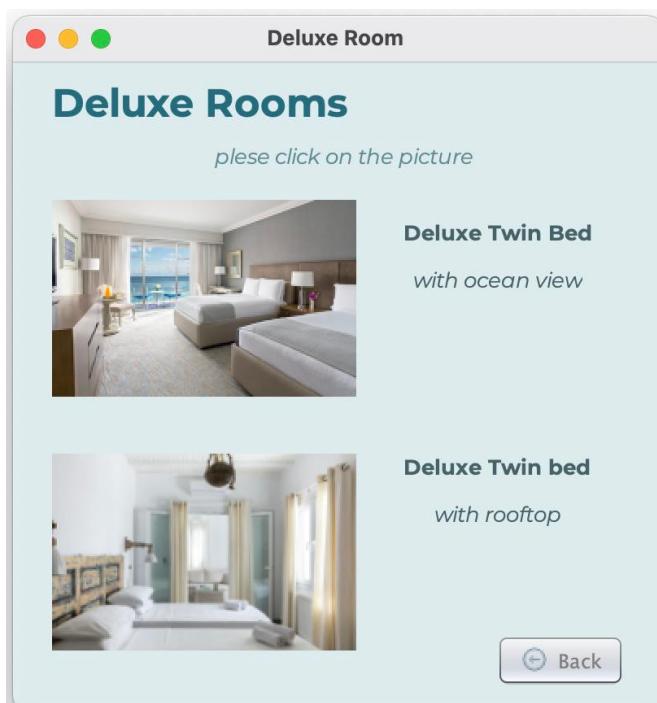


Figure 11: the user can view few information about room then pick a room by clicking on the photo

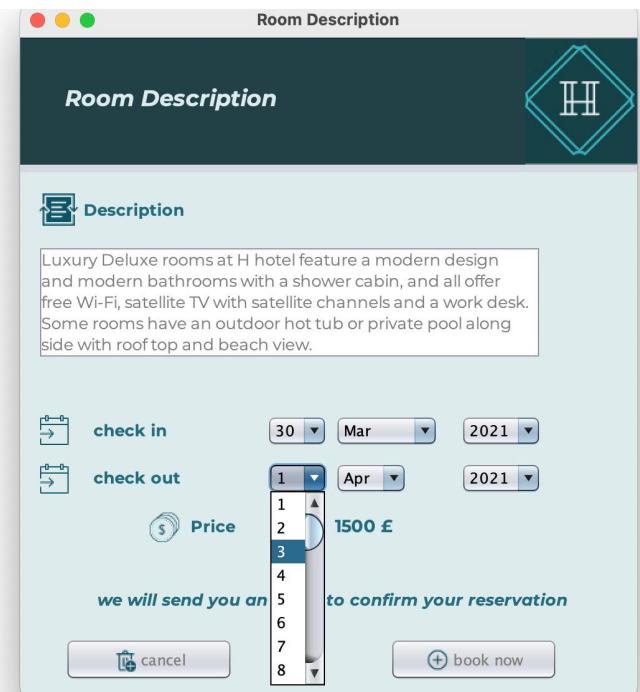


Figure 12/13: a room description will show more information and to let the user check in and check out in order to book.

**Room Description**

**Description**

Luxury Deluxe rooms at H hotel feature a modern design and modern bathrooms with a shower cabin, and all offer free Wi-Fi, satellite TV with satellite channels and a work desk. Some rooms have an outdoor hot tub or private pool along side with roof top and beach view.

Price **1500 £**

*we will send you an email to confirm your reservation*

Figure 12/13: a room description will show more information and to let the user check in and check out in order to book.

**Bill**

You will hear from us as soon as possible, wait for our message

Bill_ID	User_Name	Reservation_ID	Room_ID	Total_Price
1110	HRB04	100	2000	1500
1117	HRB04	160	2007	3000

Please enter username to view your previous reservations:

Figure 14: After booking a room a bill information will appear.

**MY RESERVATIONS**

Reservation_Id	Description	Check_IN_Date	Check_OUT_D...	username	Room_ID
1110	Deluxe Twin b...	2021-03-30	2021-04-04	HRB04	100
1117	Suite capacity ...	2021-05-06	2021-05-09	HRB04	160
1118	Family capacit...	2021-06-06	2021-06-09	HRB04	140

PLEASE ENTER YOUR USERNAME:

Figure 15: user can see booked reservation.

**Admin Interface**

**WELCOME ADMIN**

What Do You Want To Do ?

Figure 16: Admin interface for modifying rooms and reservations.



Figure 17: Admin can add a room by filling information shown in the figure.

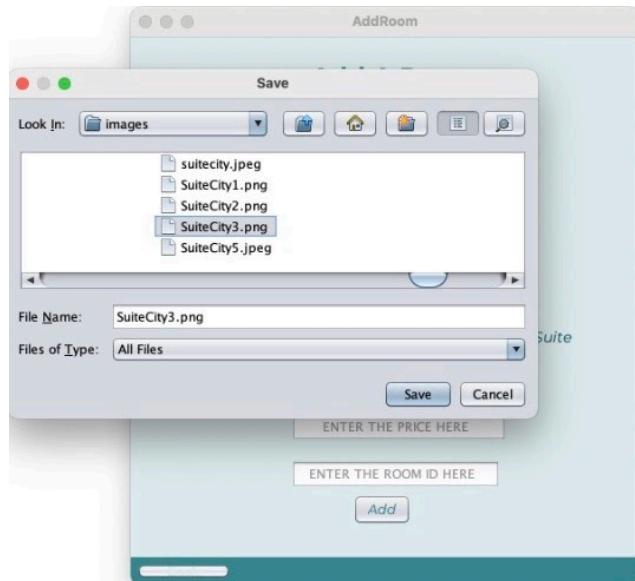


Figure 18: Admin can add a picture by searching files.

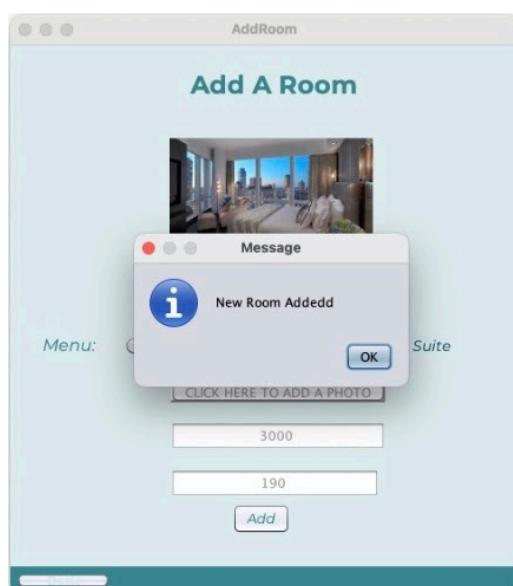


Figure 19: Successful room adding.

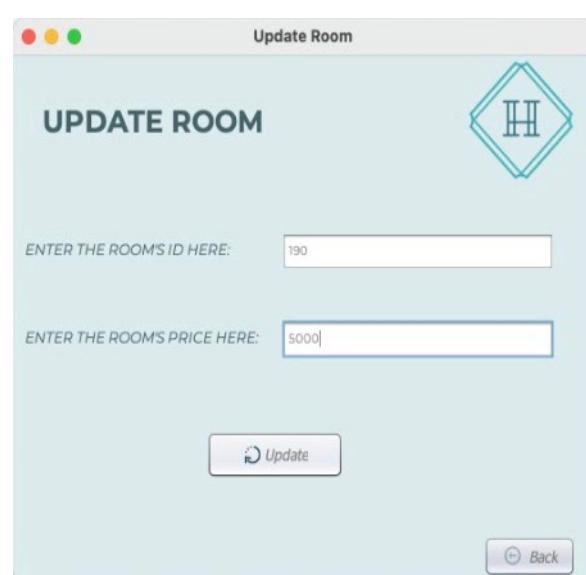


Figure 20: Update a room information using room ID.



Figure 21: Successful room updating.

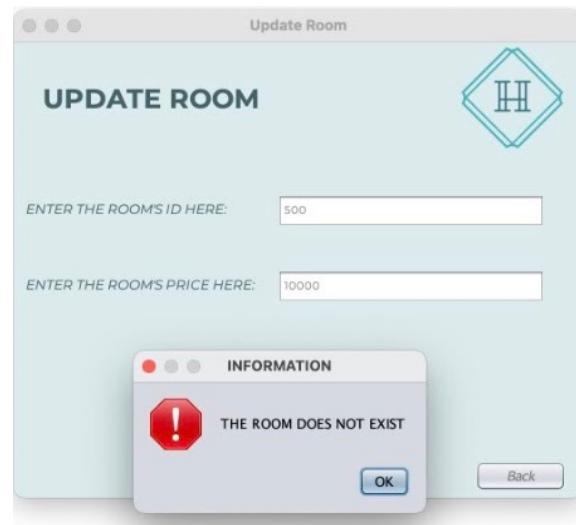


Figure 22: error message appears when updating not exist room ID.



Figure 23: Admin can delete a room by using the room ID.

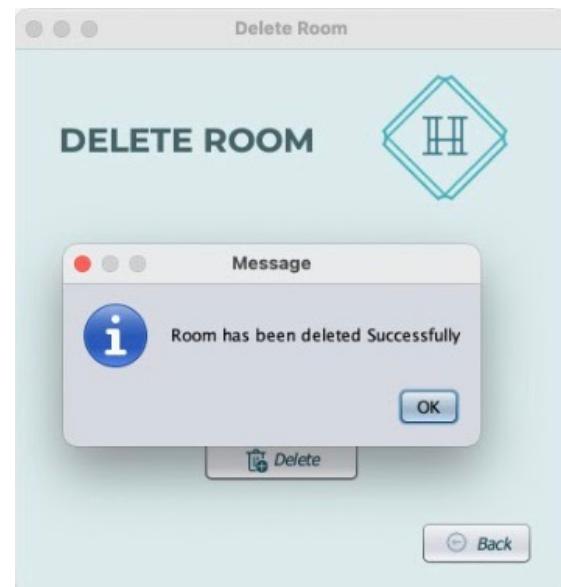


Figure 24: Successful room deleting.



Figure 25: Error message appears when trying to delete a not existed room.



Figure 26: Admin can either delete or update a reservation.



Figure 27/28: Successful reservation updating.



Figure 29/30: Successful reservation deleting.

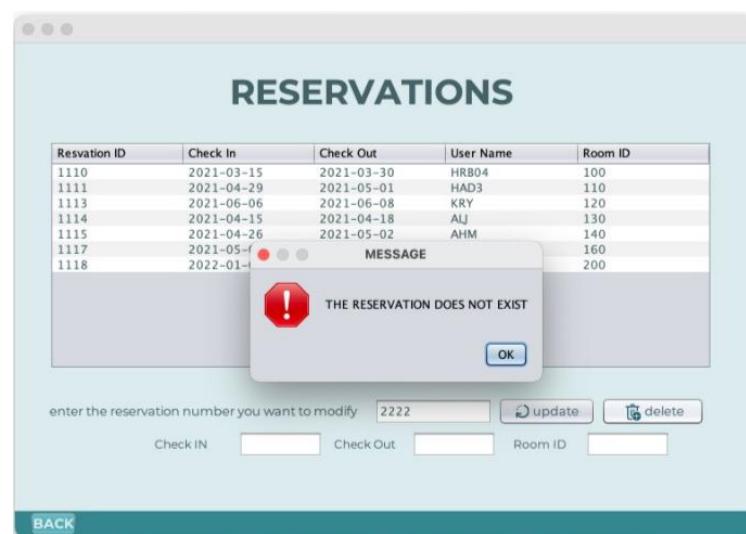


Figure 31: Error message appears when trying to delete not existed reservation.



## DIFFICULTIES & HOW PROBLEMS WERE SOLVED:

We faced difficulties while we were trying to link our database. Also, having many frames related to each other forced us to work simultaneously on zoom. With the deadline update, finding common time to meet up online and work on the OPP project was complicated because of the time conflict and congestion with other projects.

We solved the database link issues by search on YouTube and websites for solutions. Also, we had to stay up late for long hours in zoom to meet the deadline and finish the work.

## CHECKLIST OF REQUIREMENTS FULFILLED IN THE PROJECT:

Classes Management	✓
Professional Appearance	✓
Data Access Tools and Techniques	✓
Error Handling	✓
Working Demo, Evaluation, Delivery & Justification	✓
Data Export / Import [bonus]	✓

## **HOW WERE THE TASKS DISTRIBUTED EQUALLY BETWEEN MEMBERS?**

We distributed the work between us equally and helped each other out on some difficulties we faced during the process, so we did many zoom meetings to work together. Due to the many errors we met, we decided to work on one device and share the control access to each member to help each other by giving suggestions to solve errors.

## **GENERAL COMMENTS:**

We enjoyed working on this project, we learned a lot and we were working as one team and we were lucky to work together since we are friends <3