Introduction

During my 3rd year undergraduate time, a stand alone booking application based on file handling using java as the programming language was designed for our group project under the course "Advanced programming techniques". My contribution to the project is included here.

Features and functionalities

- New Booking.

  Based on the type of room selected, customer details entry panels are getting activated. Customer can search available rooms during the booking period and select the preference.
  Once all the necessary fields are completed by the customer and click on the button "Book", a confirmation will be asked whether to continue with booking or not. Based on the confirmation booking will be done and a passcode will be generated to be used with further modifications related to the booking completed.

- Update Booking.
  Given the relevant correct passcode for booking and NIC of the customer as credentials, customer information provided can be changed.

- Extend Booking.
  Given the relevant correct passcode for booking and NIC of the customer as credentials, period of booking can be extended based on the availability of the room for desired dates.

Future Features
- Connect to a database rather than based on file handling.
- GUI improvements.
- Keeping entry fields for only one customer details.

What the application looks like

When customer checked available rooms and a room is picked under the preferred category and necessary fields ate completed for a new booking.

When clicked on the button "BOOK", asking for confirmation.

Once booking is confirmed and completed, a passcode will be given.

To update customer details correct passcode and customer NIC should be provided as credentials as follows and click on continue.

Then entered customer detilas will be displayed for modifications.

When clicked on "UPDATE" asking for confirmation.

When update is successful.

To confirm by viewing whether it is updated as expected. Here the customer address is updated.

To extend the booking, correct passcode and customer NIC should be provided as credentials as follows and click on continue.

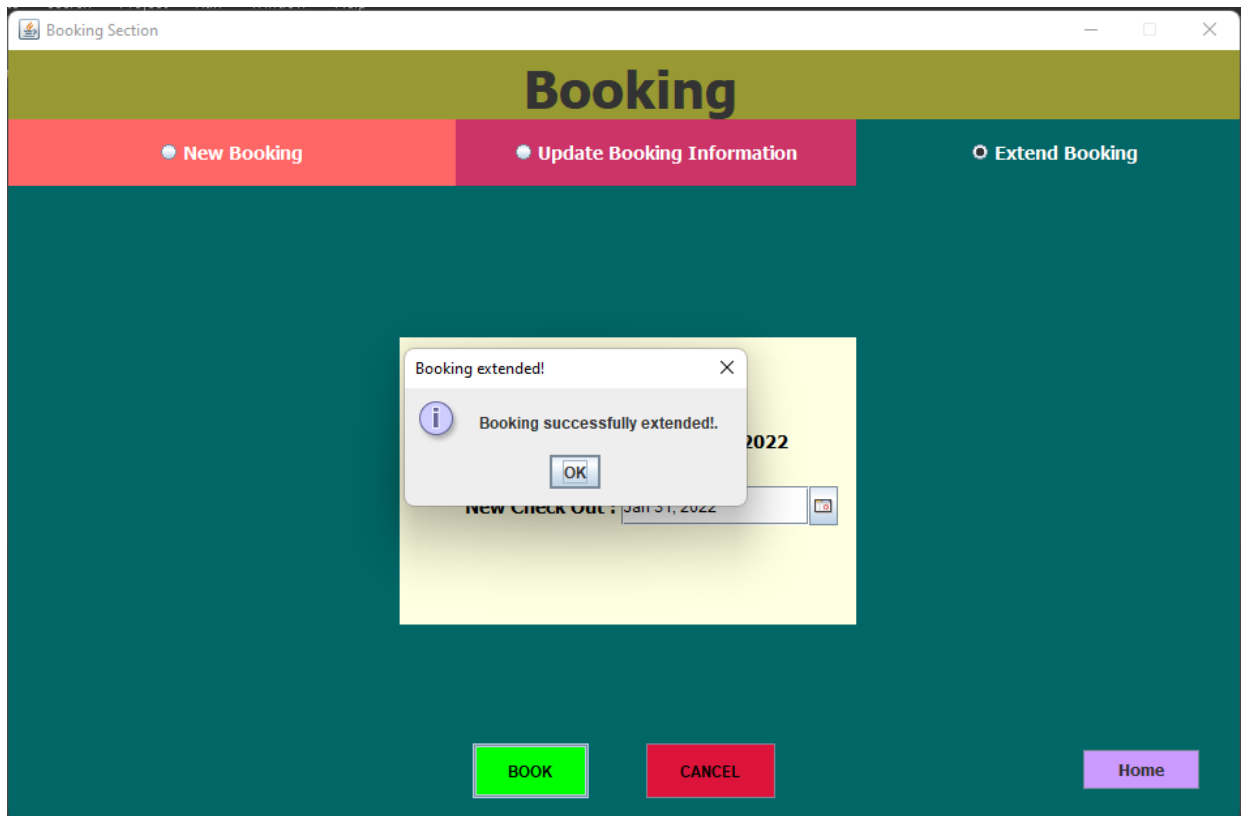Then the scheduled check out and the newly suggested check out which is the date ahead of scheduled check out will be displayed.

When clicked on "BOOK" , asking for confirmation.
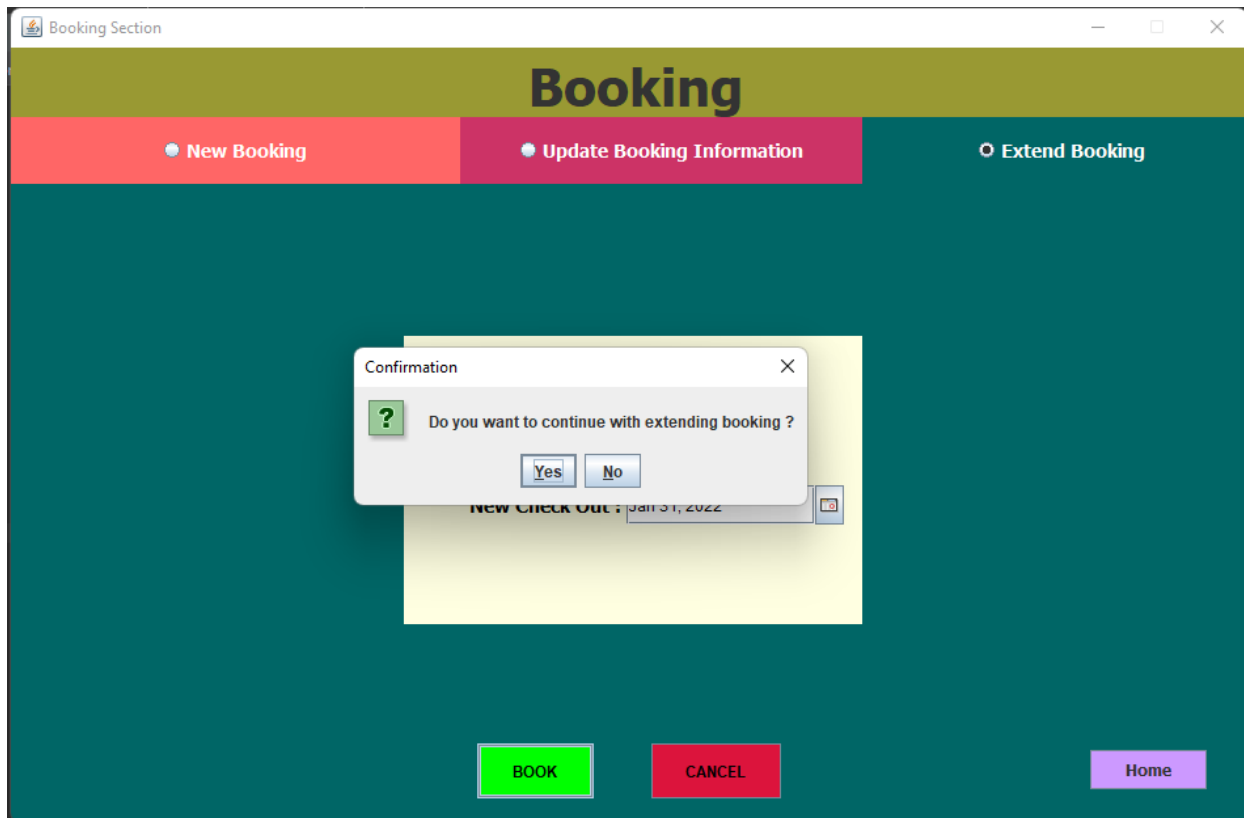
If room is available extending happen.

To check if extending is successful can view the details.

If room is not available during extending dates, unavailability will be notified as follows.

Booking

○ New Booking   ○ Update Booking Information   ○ Extend Booking

NIC : [_____]   Passcode : [_____]   Continue

Room Unavailable!   ✕

(i)   Room no. 6 is unavailable for the dates checked.

OK

BOOK   CANCEL   Home