

Hotel System

<https://github.com/RuimingShen/HotelSystem>

Group#32
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Table of Work

(Please write x in the boxes to mention what each student achieved in this project)

	Ruiming Shen		
Project Description	x		
Uses Cases Diagram(s)	x		
Sequence Diagrams	x		
Class diagram(s)	x		
Implementation	x		
Conclusion	x		

Table of Contents

- System Analysis

- Project Description (One Page)

- General Description, Goals and Benefits

General Description: There are 3 types of hotels, each with 10 rooms. Customers can book anyone, any type. Customers also need to fill in their name, phone number, and choose an order time. If the hotel the customer wants to book has no available rooms, it will display booking failed, try other hotels. After booking, a receipt will be printed to the customer. The receipt contains the name, phone number, room type and number, start date and end date. The details of the customer's order will be displayed on the receipt. After ordering, all orders will be stored in the booking_history.txt file.

Goals: To record input information from user, allow users to see the information they just put in and history usage.

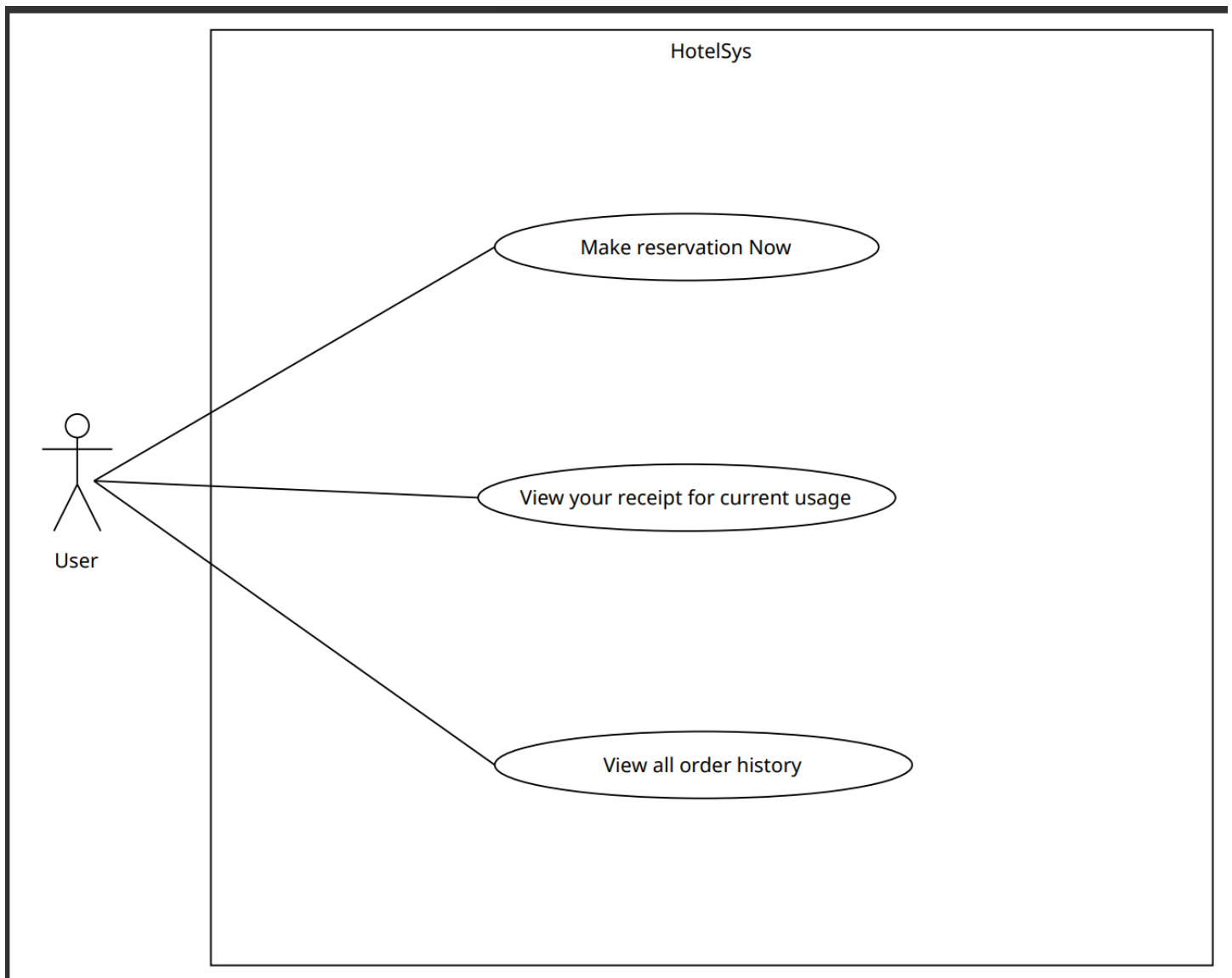
Benefits: To give user a chance to make reservation by a small GUI application, to give hotel management team auto generated txt file with all the user input recording. Save hotel management team's time by this auto application.

- System input(s) and output(s)

Inputs: User's name, phone number, room type, room number, start date, end date

Outputs: confirmation receipt for user, updated txt file if user input successfully.

- Uses Cases Diagram(s) and use cases description.



| UC Reference Name/Number: | 1.Make reservation now |

-----|-----|

| Overview | Make a reservation for user, user give name, phone, room Num and Type, start date and end date in dialog to make reservation. |

| Related use cases: | |

| Actors | user |

| Pre Conditions (Optional) | Must be in main Window first |

| Post Conditions (Optional) | The user make a reservation in booking history txt file and current usage record this |

| UC Reference Name/Number: | 2. View current usage |

-----|-----|

| Overview | User can see all the receipt for the reservation system current usage, but not include history order which only exists in txt file, give user a convenience way to see order they made at this time. |

| Related use cases: | |

| Actors | user |

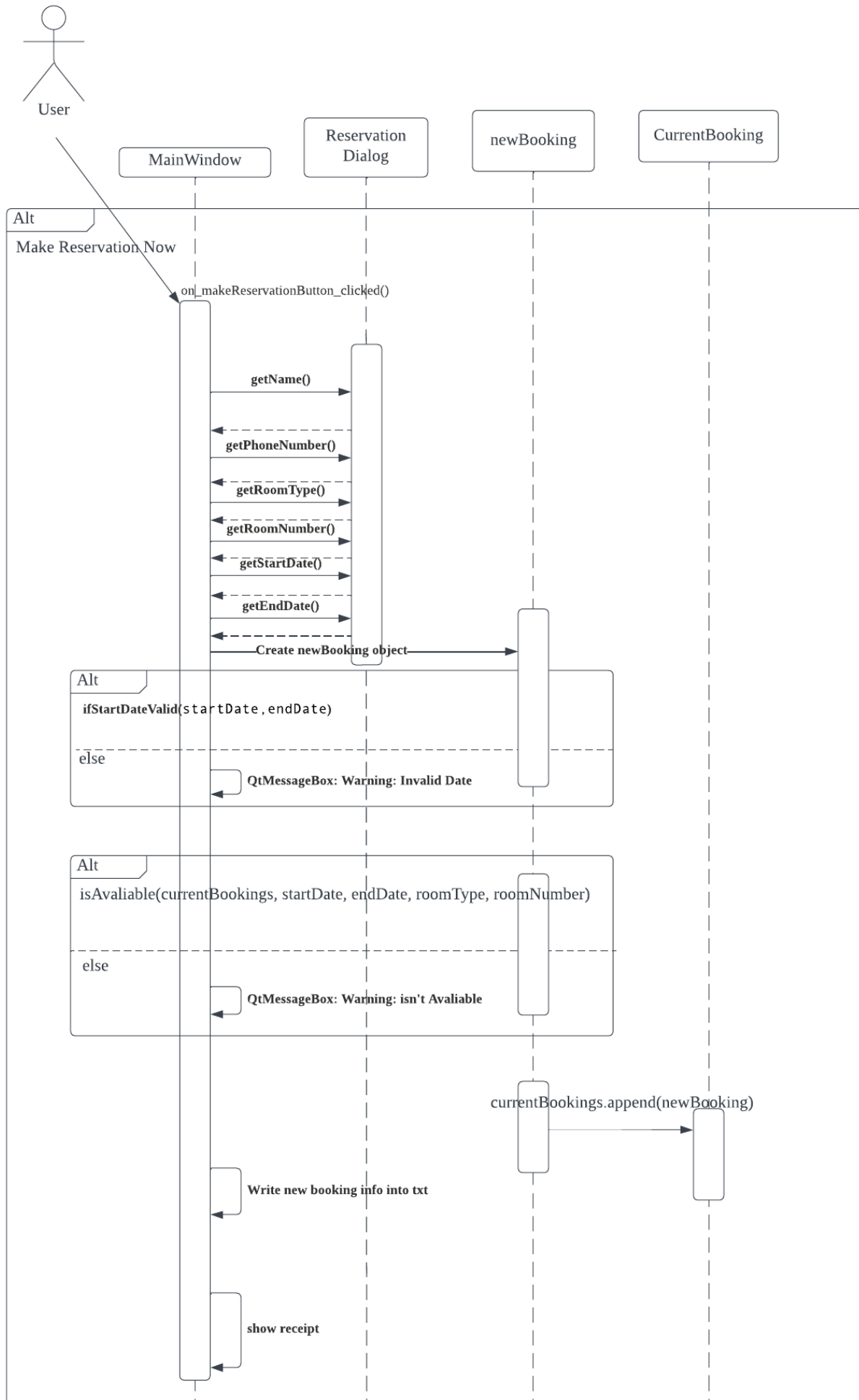
| Pre Conditions (Optional) | Must be in Main Window first |

| Post Conditions (Optional) | |

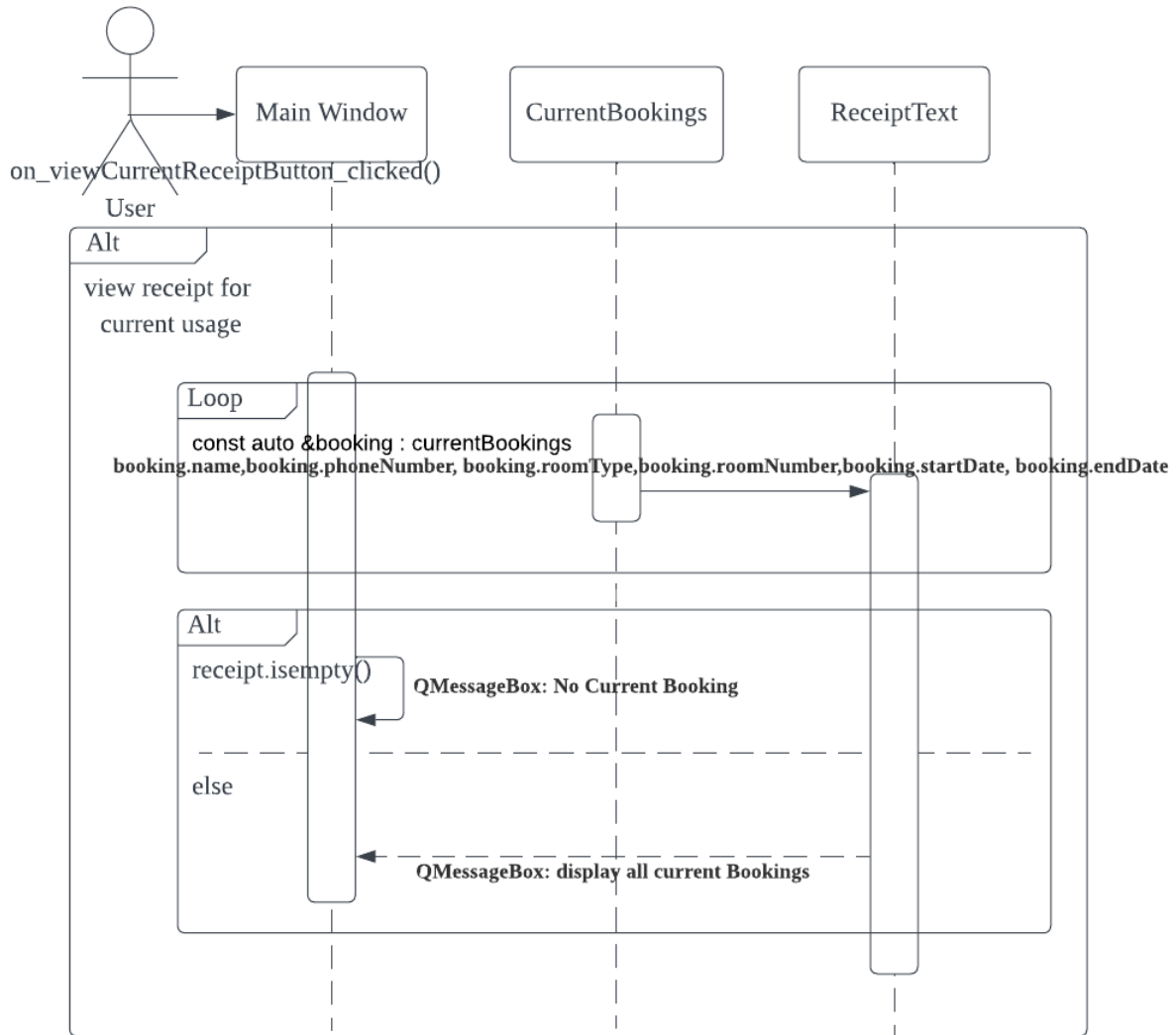
UC Reference Name/Number: 3. View all order history	
----- -----	
Overview	User can view all order in booking history txt file. Including usage from past.
Related use cases:	
Actors	user
Pre Conditions (Optional)	Must be in Main Window first
Post Conditions (Optional)	

- System Design
 - Sequence Diagram

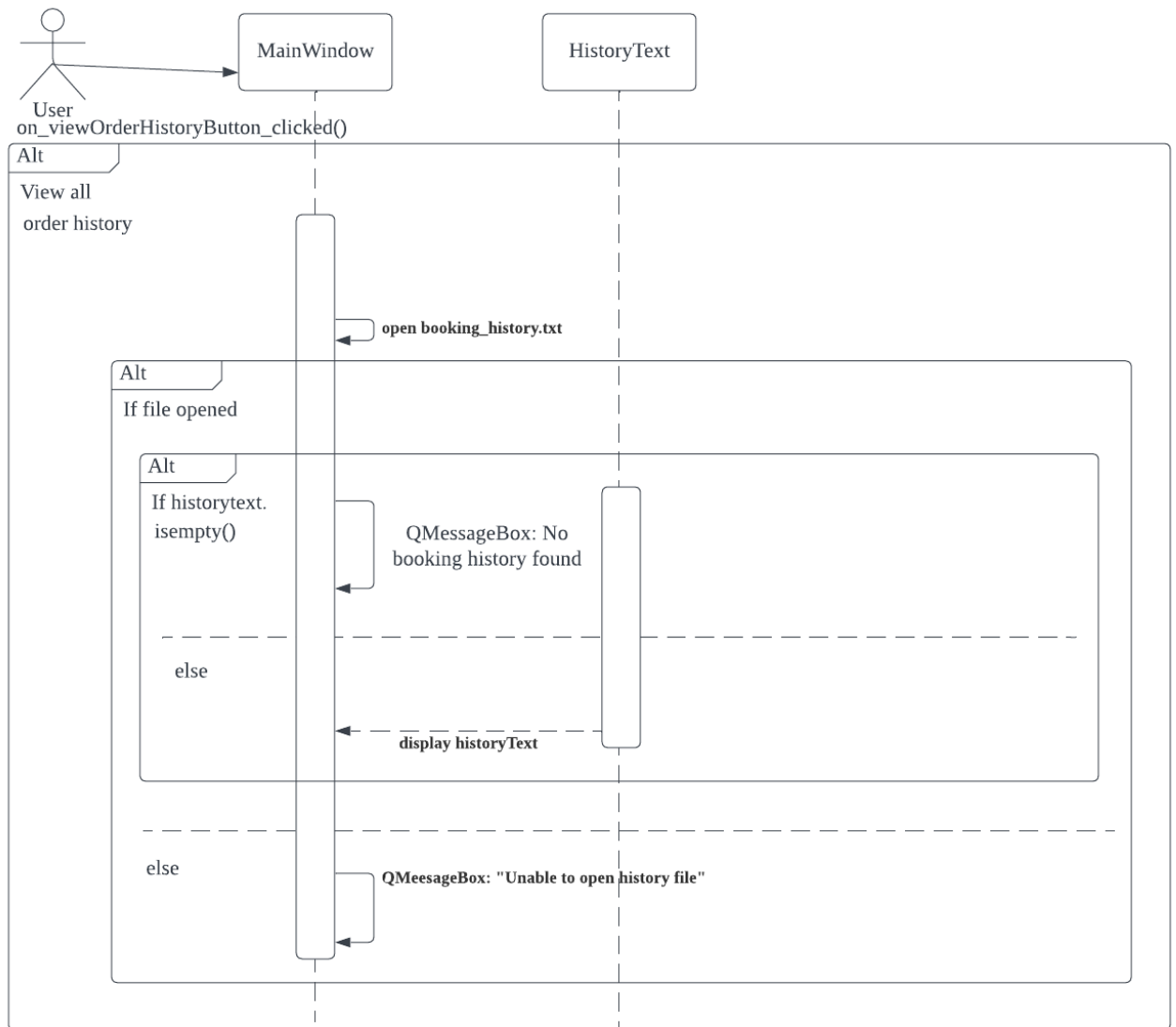
Make Reservation Now Sequence Diagram



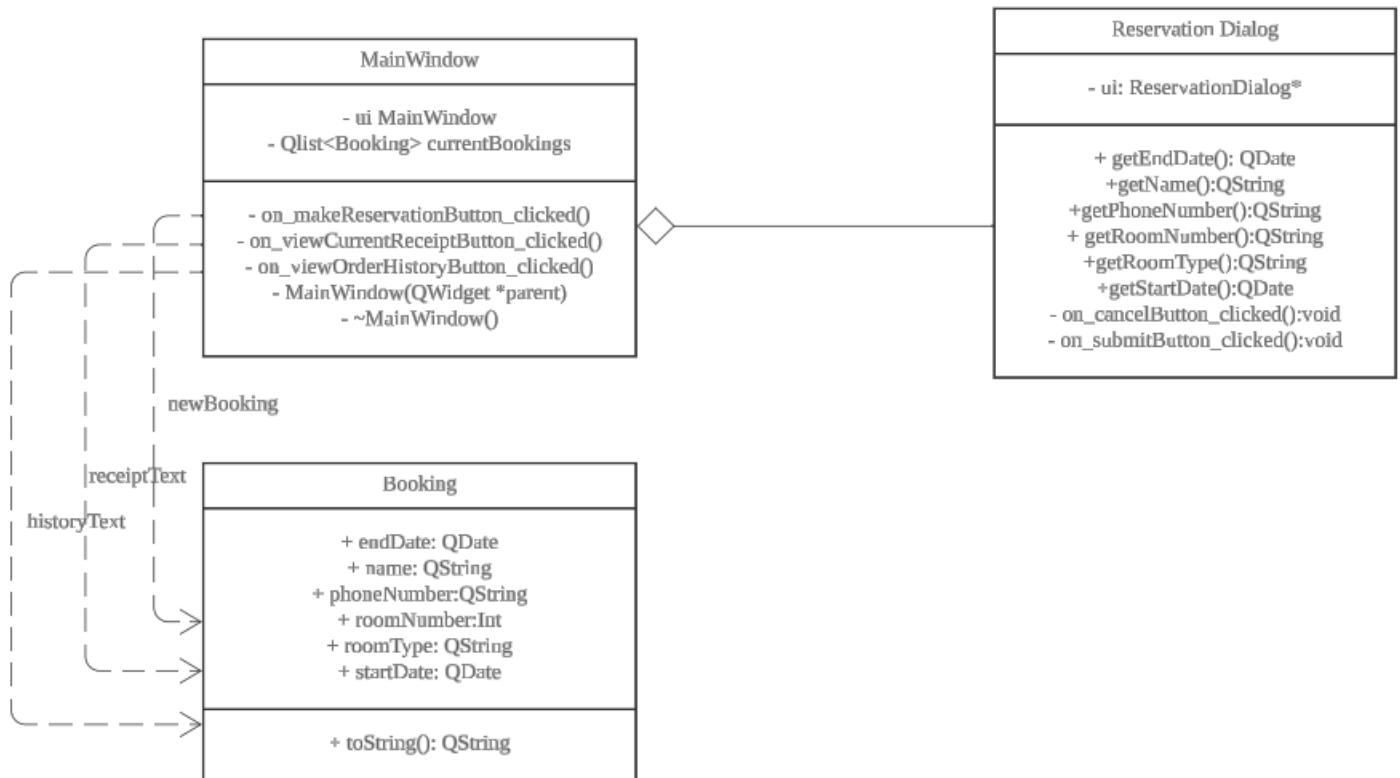
View Current Usage Sequence Diagram



View all order history
sequence diagram



- Class diagram(s)



- Conclusion

This hotel reservation system allows users to operate through a simple window. What can be improved is making the window more beautiful. The current design can already meet normal user needs. It is completely feasible to apply the current design to actual fields. of. This program can clearly record the information entered by the user into the txt file, and accurately read the correct stored information from the txt file. The three functions, make reservation, view current usage, and view history order, can all be used normally, making it very convenient for users to use.