



MICHELIN



SWD392 - Group 4

MY TEAM



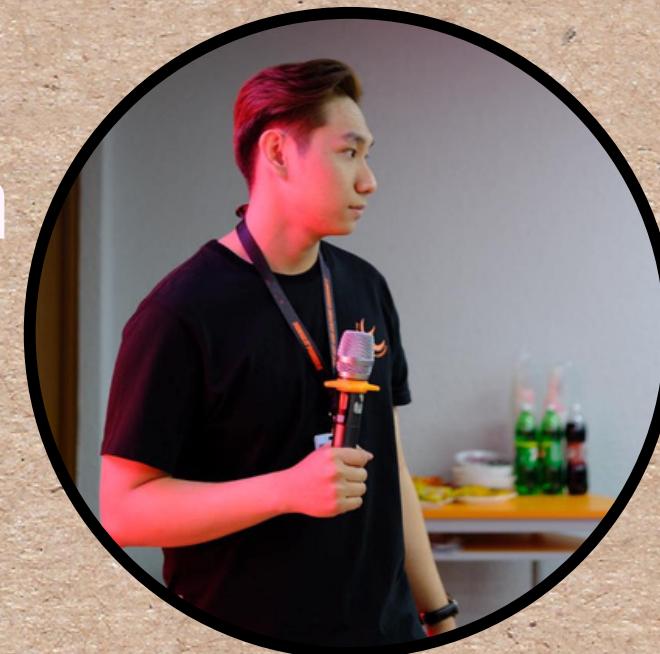
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Cuong
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SE151134



Nguyen Viet
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SE150617



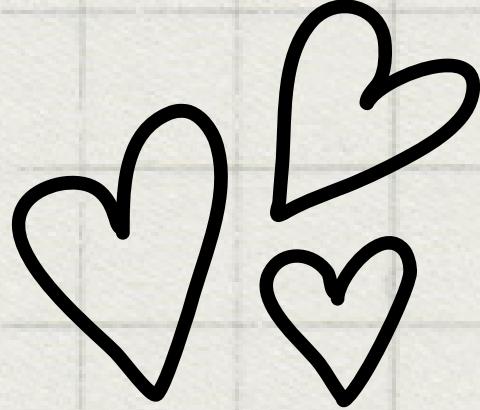
Le Quoc
Cuong
SE150357



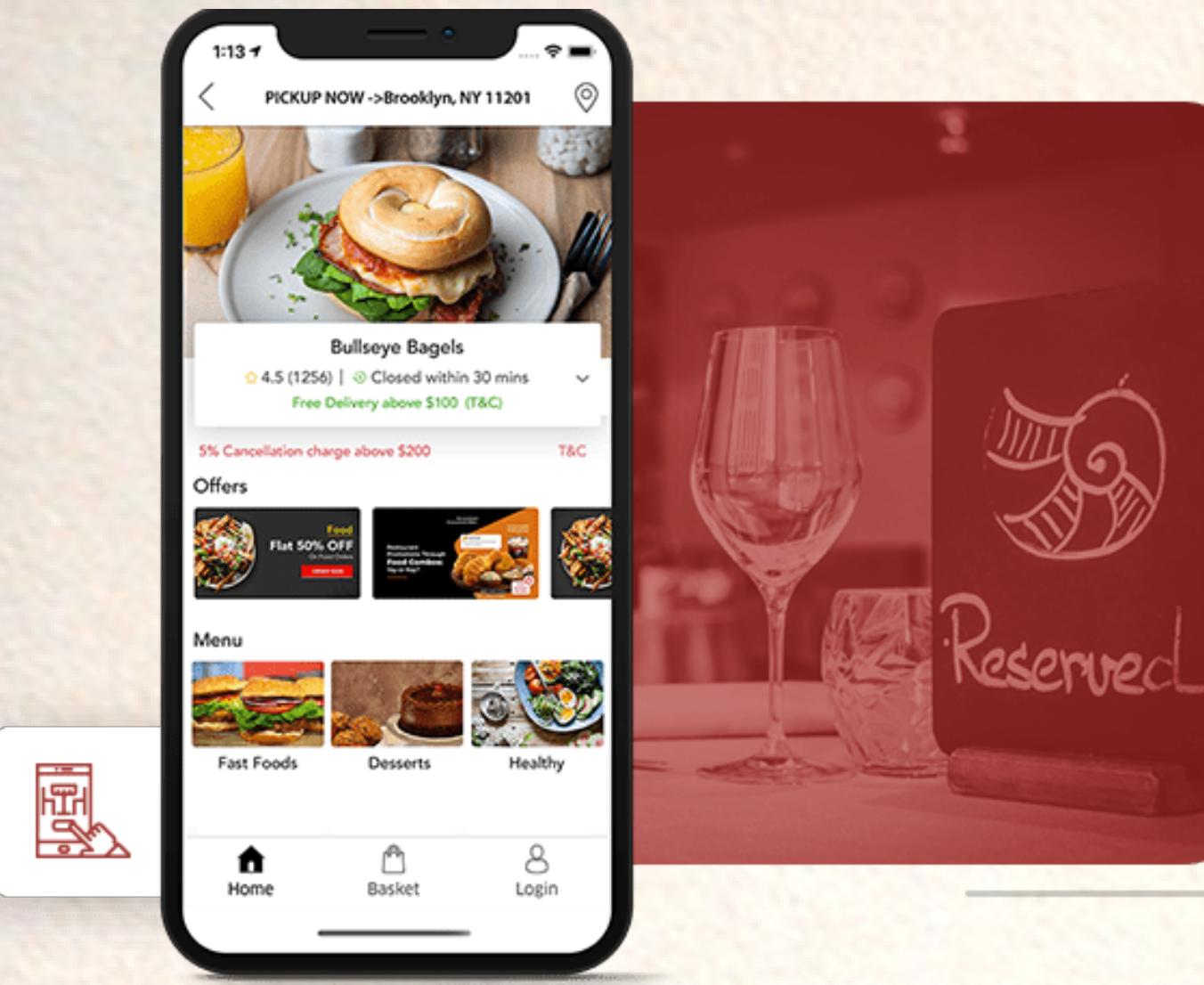
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AGENDA



- = 1. Introduce
- 2. Requirement
- 3. Usecase Diagram
- 4. Context Diagram
- 5. Conceptual Static Model
- 6. Class Diagram
- 7. Sequence Diagram



Michelin App

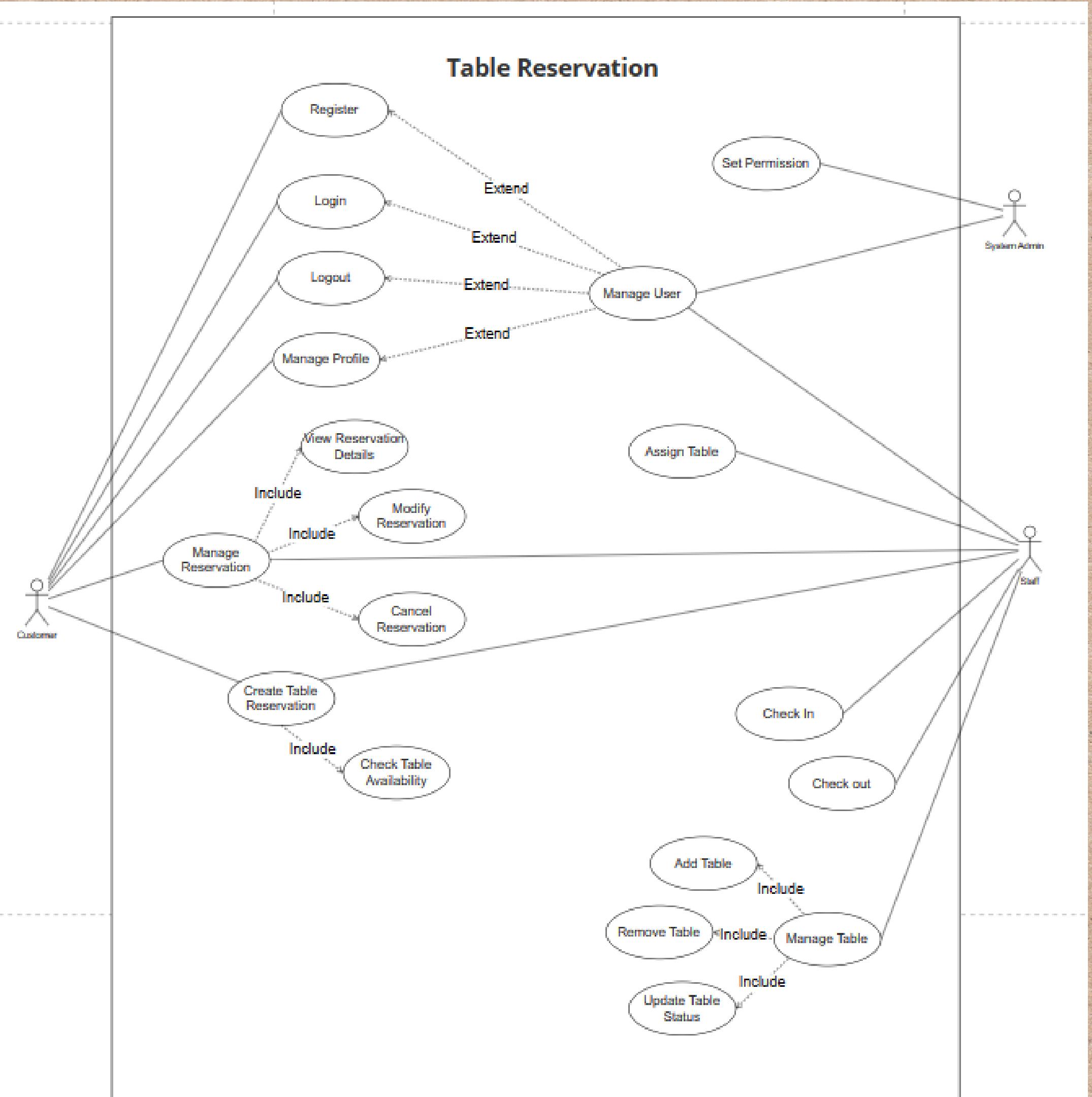


About us

Michelin restaurant will bring an app for users to book a table in the most convenient way, solving all the difficult problems when they are afraid of running out of customers' tables.

REQUIREMENT

No.	Feature	Description	Actor
1	Login	Users log into the table reservation application using their Google account credentials	Customer, Reception
2	Logout	Users log out of the table reservation application	Customer, Reception
3	Register	New users register for the table reservation application using their Google account	Customer, Reception
4	Manage Profile	Allows users to manage their profile information within the table reservation application. Users can view and update their personal details, such as name, contact information.	Customer, Reception
5	Check Table Availability	Users can check the availability of tables in the restaurant for a specific date and time. Users can view the available tables and make informed decisions for their reservation	Customer, Reception
6	Create Table Reservation	Users create a table reservation. Users can specify the desired date, time, type of table and the number of guests. The system checks table availability and allows users to proceed with the reservation if a table is available at least 1 hour in advance.	Customer, Reception
7	View Reservation Details	Users view the details of their existing reservations. Users can access information such as reservation date, time, table number, and any pre-ordered food items.	Customer, Reception
8	Modify Reservation	Users modify their existing reservations. Users can update the reservation date, time, or the number of guests, provided that the reservation is still pending or assigned. Modifications are allowed up to 1 hour before the booked time.	Customer, Reception
9	Cancel Reservation	Users cancel their existing reservations. Users can request the cancellation of a reservation if it is still pending or assigned. Cancellations are allowed up to 1 hour before the booked time. OR when they arrive more than 30 minutes late the reservation status changes to cancel	Customer, Reception
10	Assign Table	The receptionist assigns a table to a reservation. Once a reservation is confirmed and the booking time is addressed, the receptionist assigns an available table to the reservation. The assigned table ensures that the reserved table is reserved for the specific reservation and prevents double bookings or conflicts.	Reception
11	Check In	This use case involves the check-in process for customers when they arrive at the restaurant. The receptionist checks in the customer in the system to mark their arrival and update the reservation status.	Reception
12	Check Out	This use case involves the check-out process for customers when they leave the restaurant. The receptionist checks out the customer in the system to mark their departure and update the reservation status.	Reception
13	Manage Table	The receptionist or authorized personnel manage tables within the restaurant. They can create, update, and remove tables as necessary, ensuring an accurate representation of table availability in the system.	Reception
14	User Management	This use case involves the management of user accounts within the table reservation application. Authorized personnel can create, update, or deactivate user accounts, ensuring proper user access and security.	Reception, System Admin



USECASE DIAGRAM



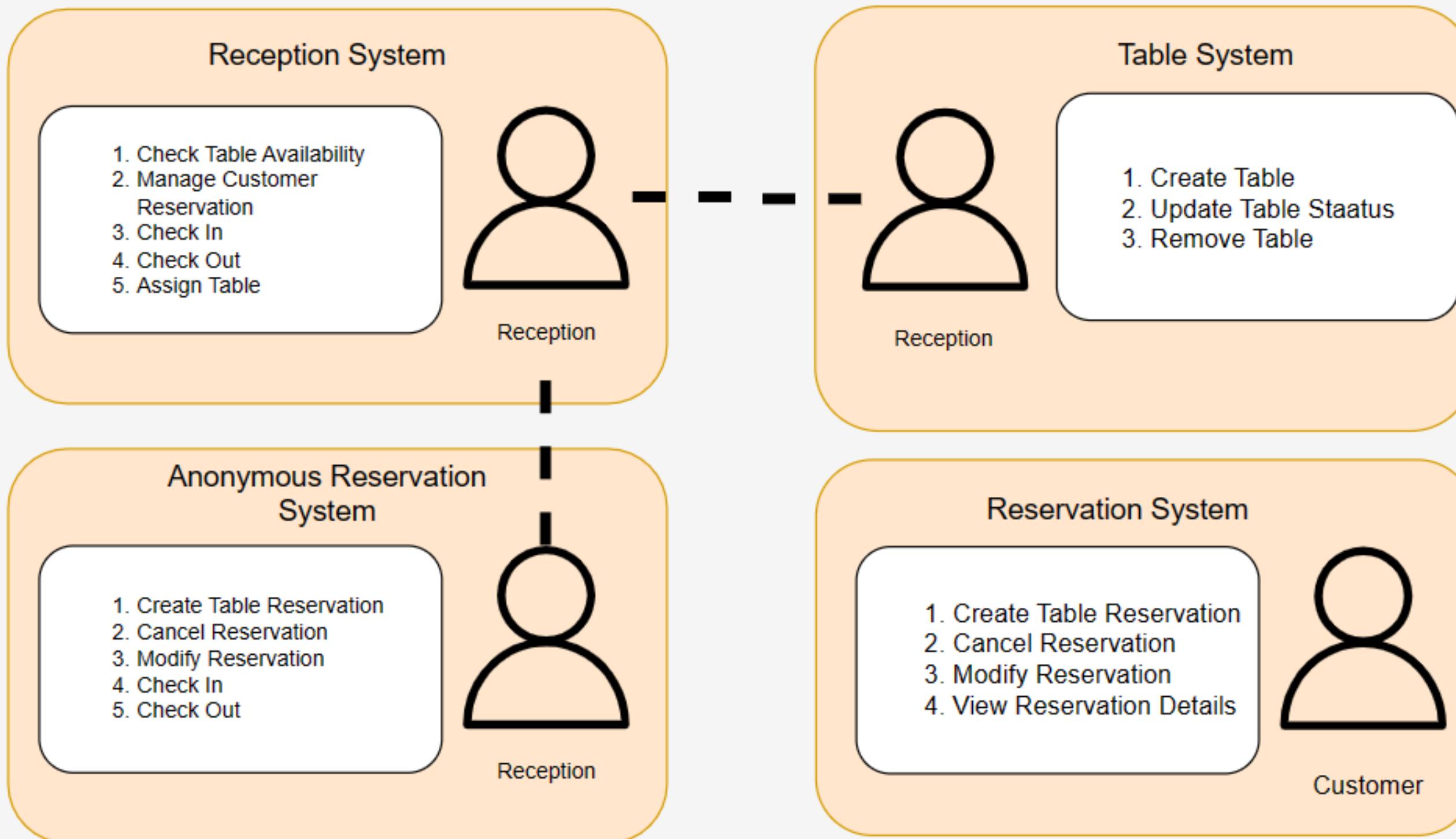
USECASE DETAIL

Link

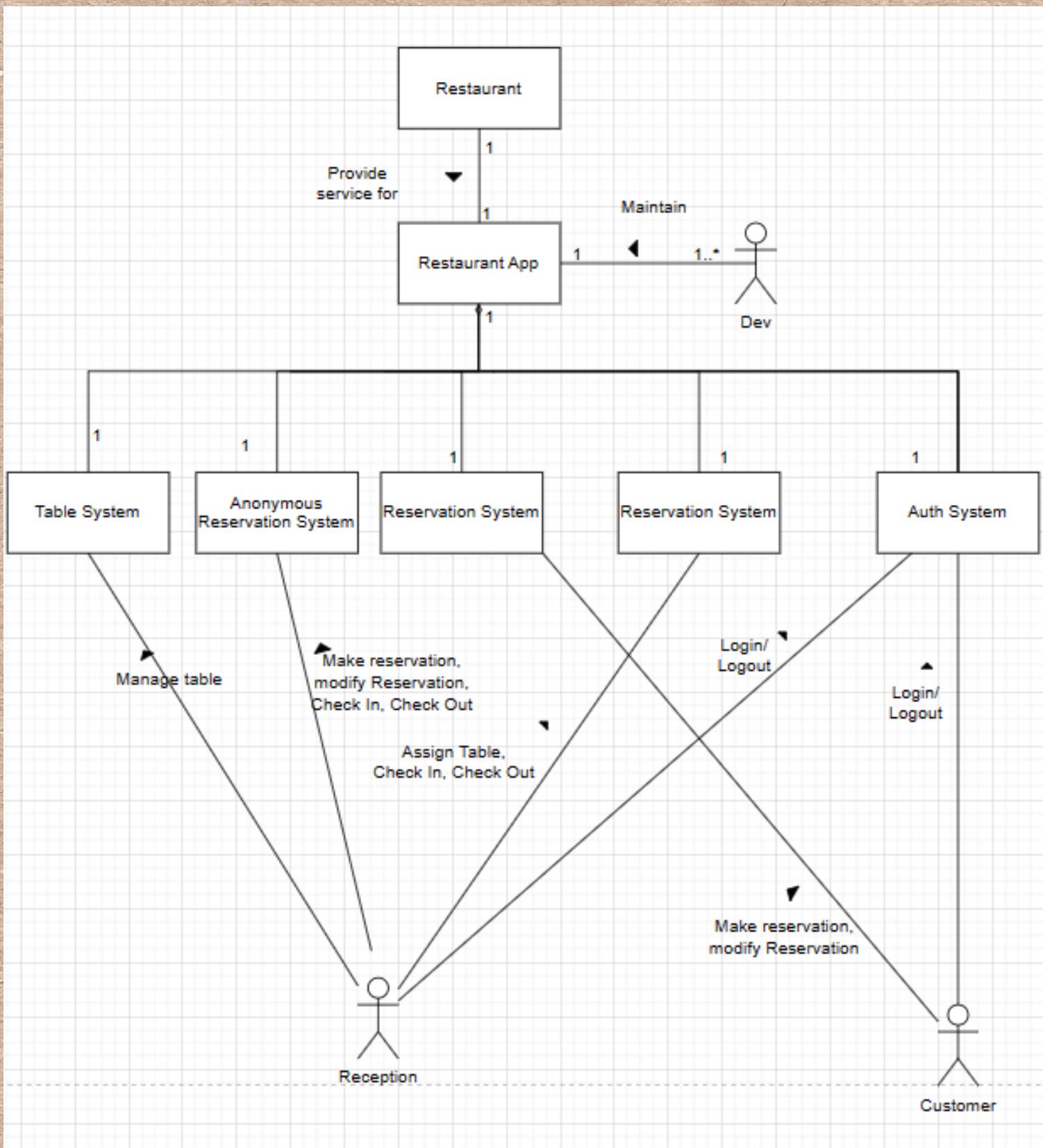


CONTEXT DIAGRAM

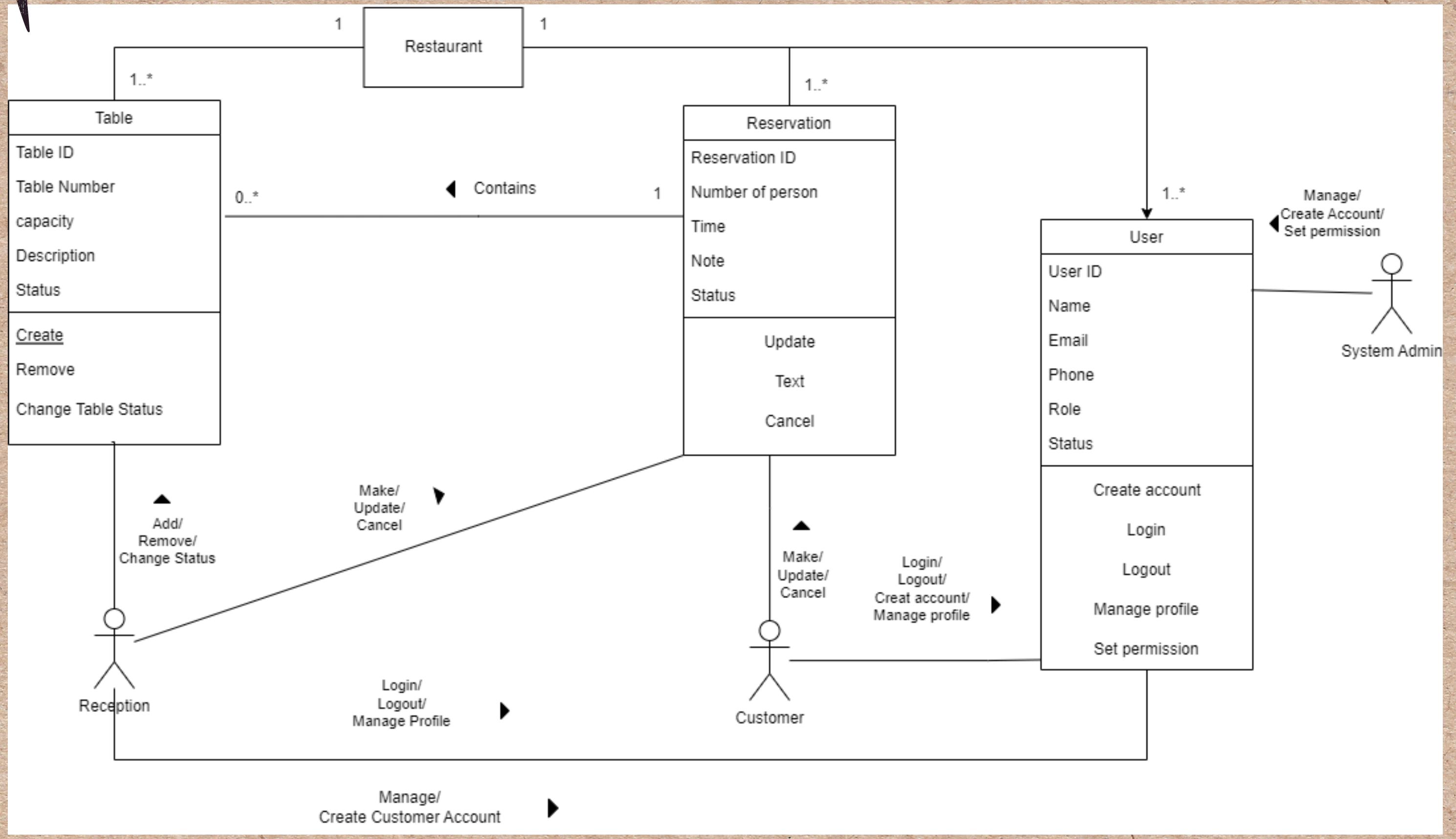
Restaurant Reservation System



CONCEPTUAL STATIC MODEL



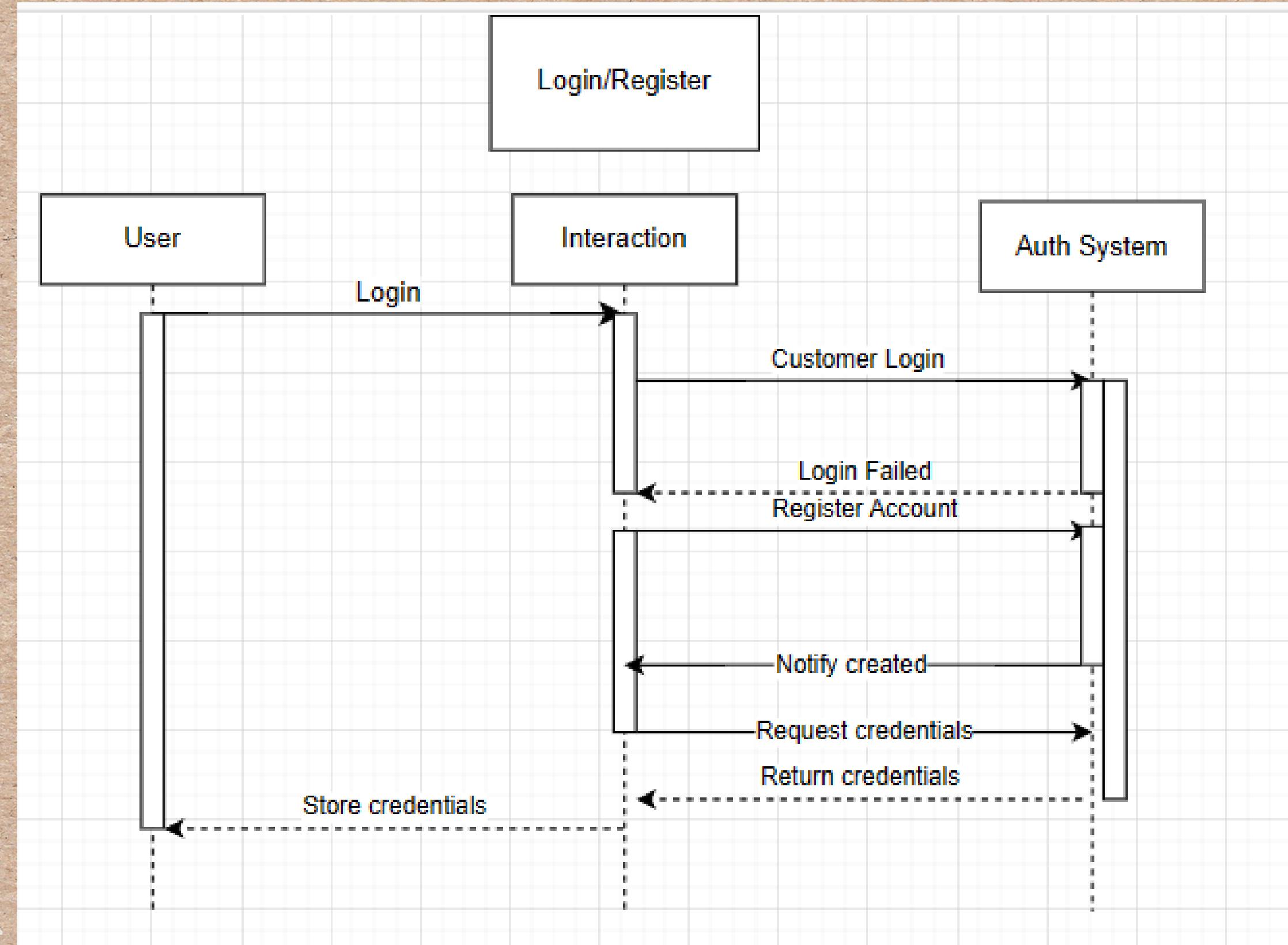
CLASS DIAGRAM





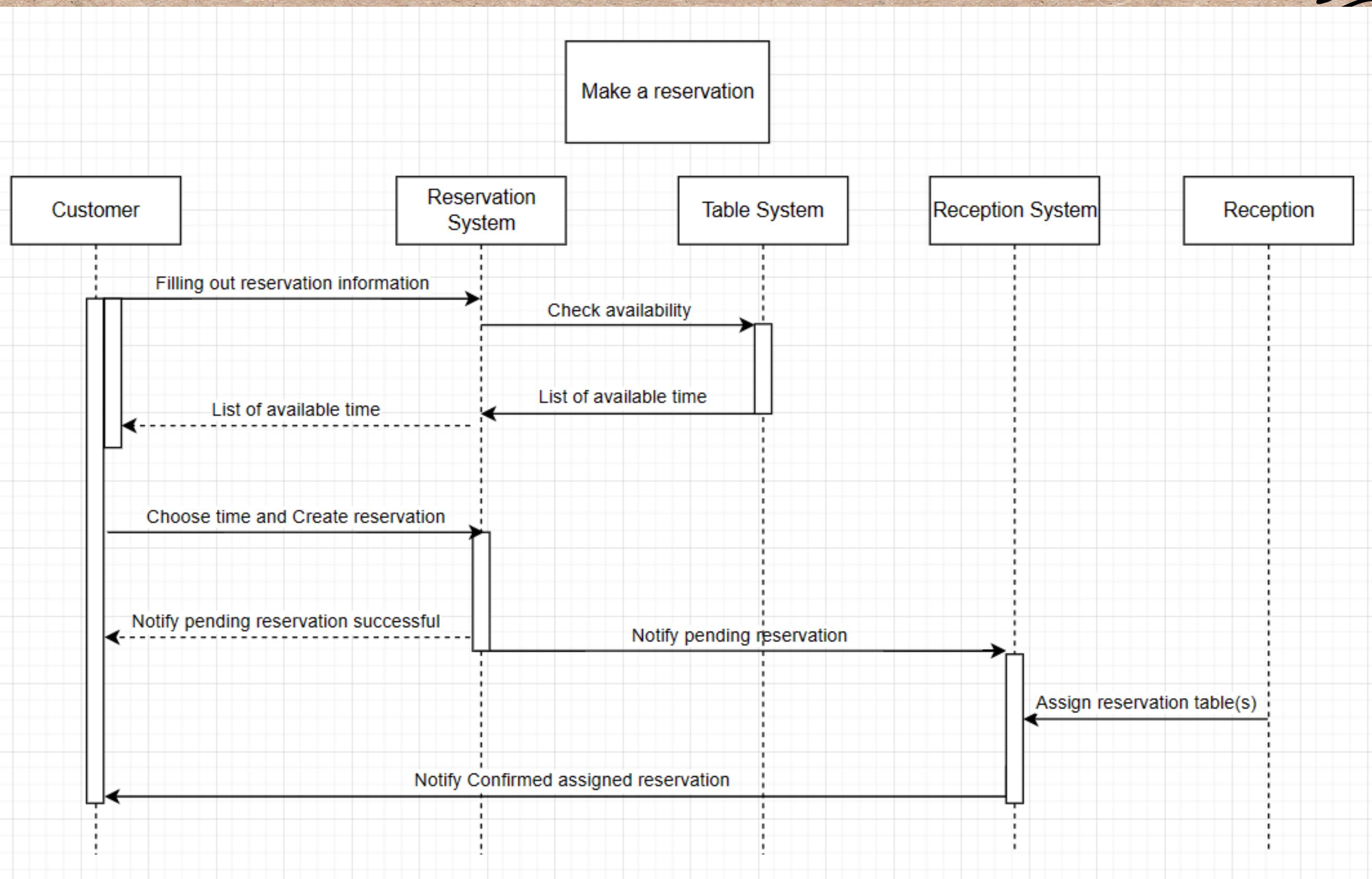
SEQUENCE DIAGRAM

LOGIN/REGISTER



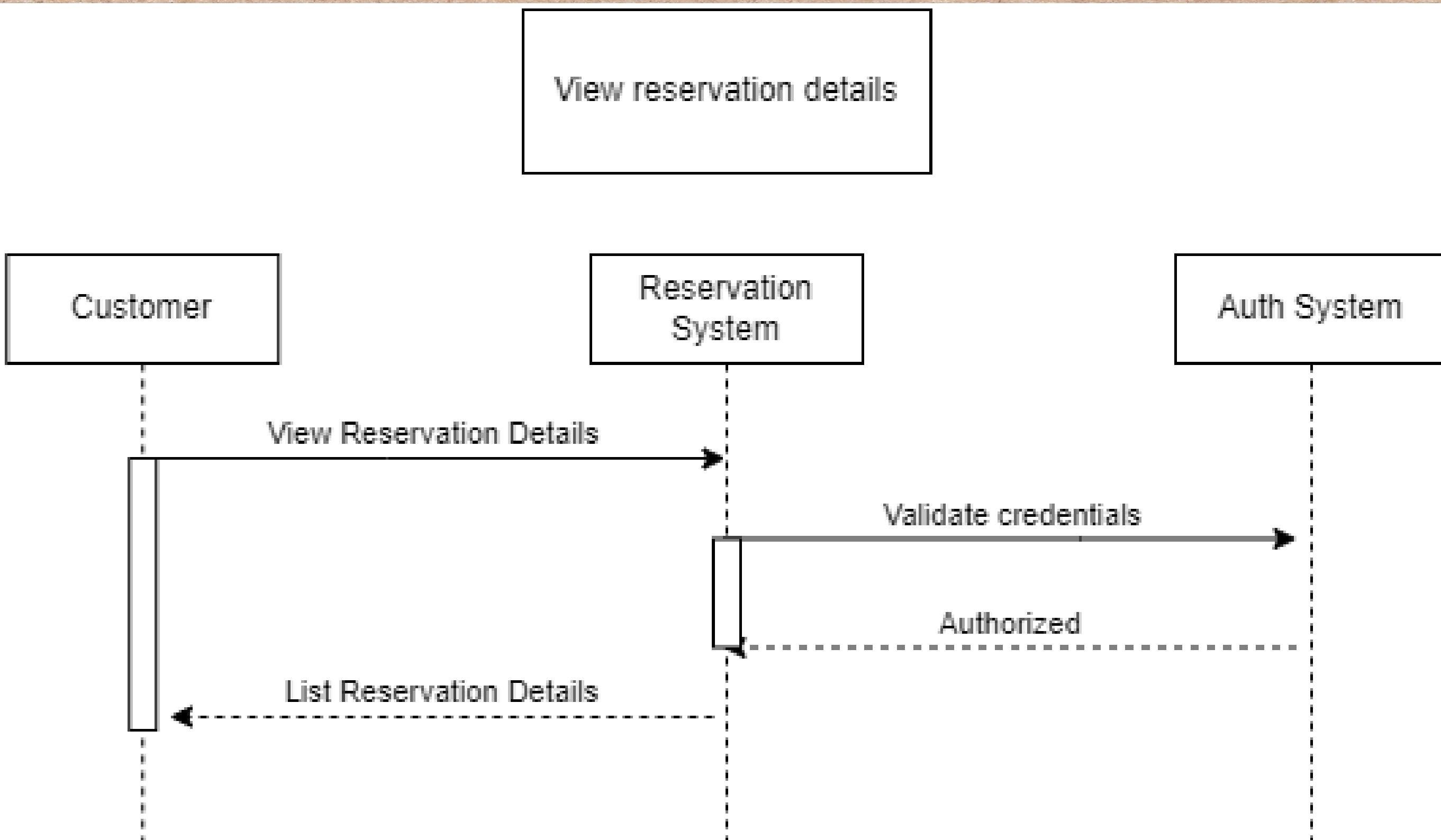
SEQUENCE DIAGRAM

MAKE A RESERVATION



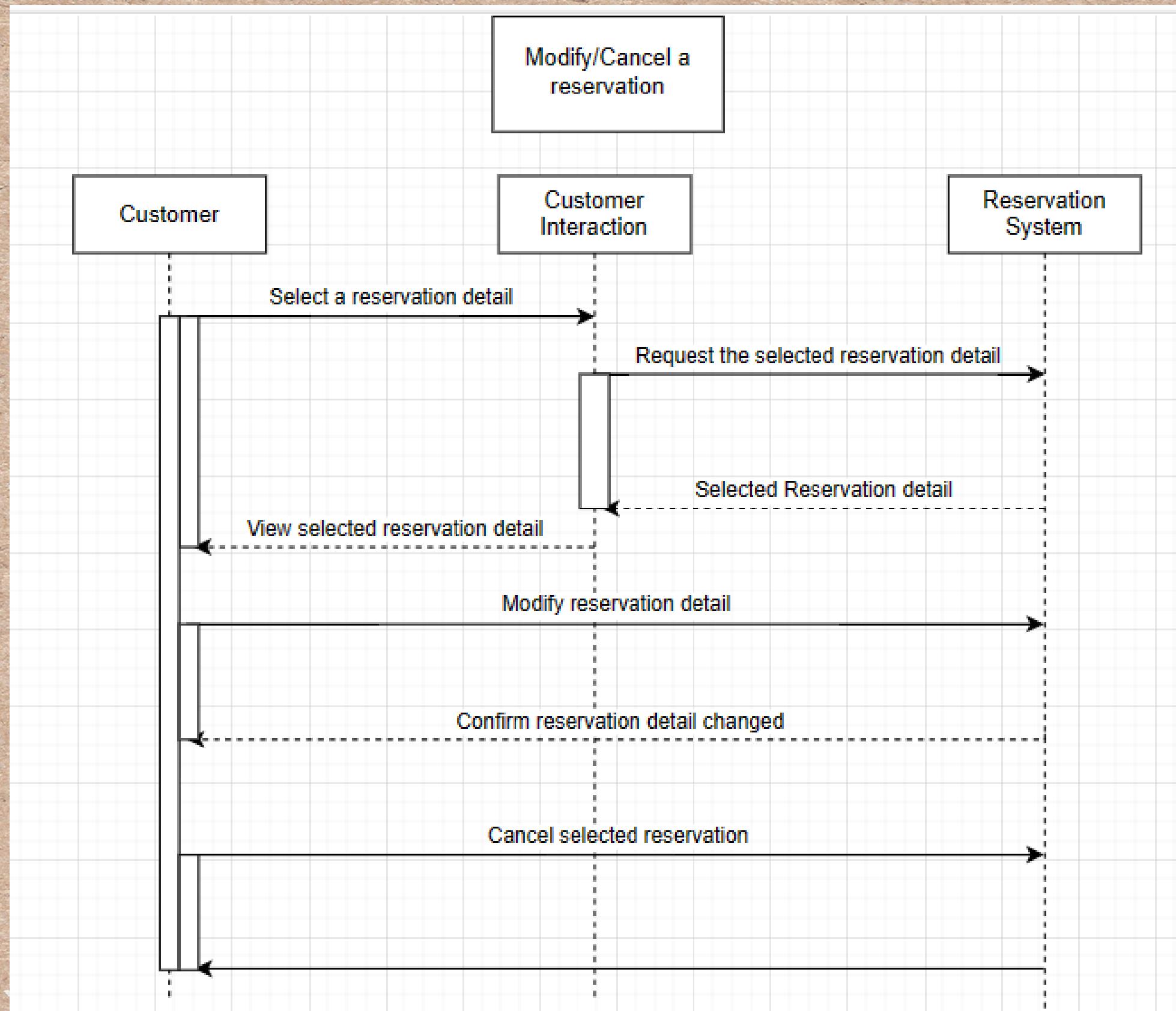
VIEW RESERVATION DETAILS

SEQUENCE DIAGRAM



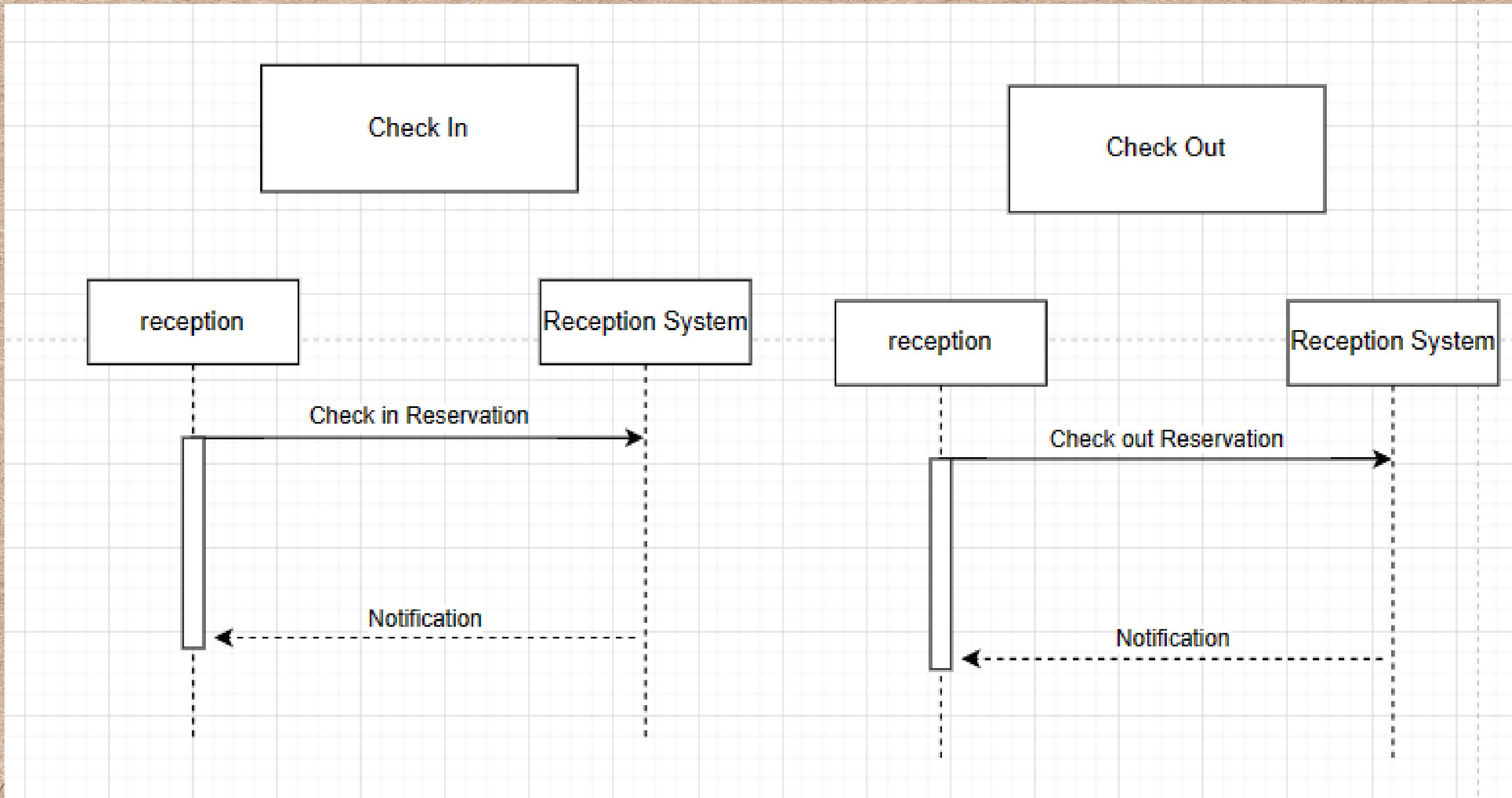
MODIFY/CANCEL A RESERVATION

SEQUENCE DIAGRAM



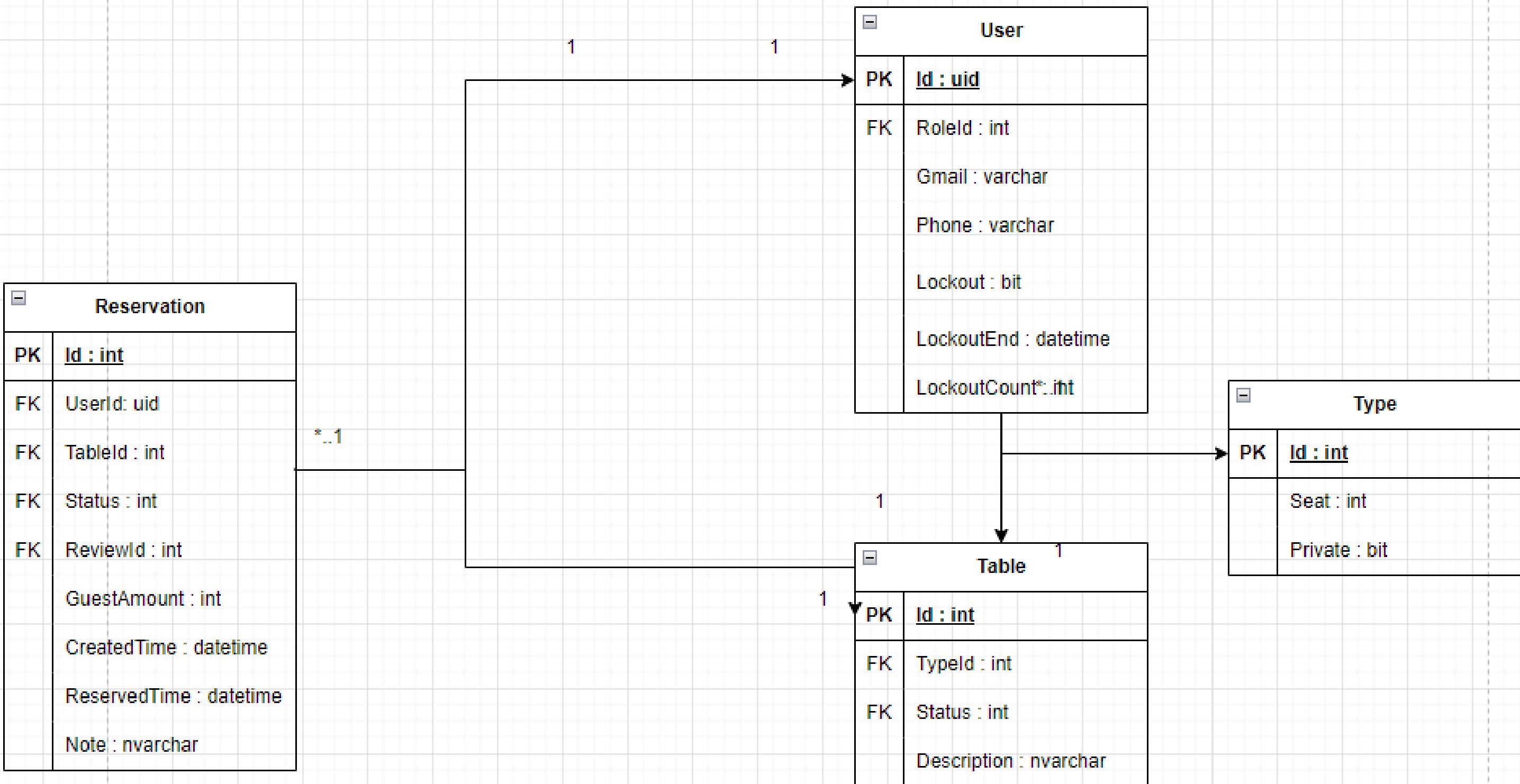
CHECK IN / CHECK OUT

SEQUENCE DIAGRAM

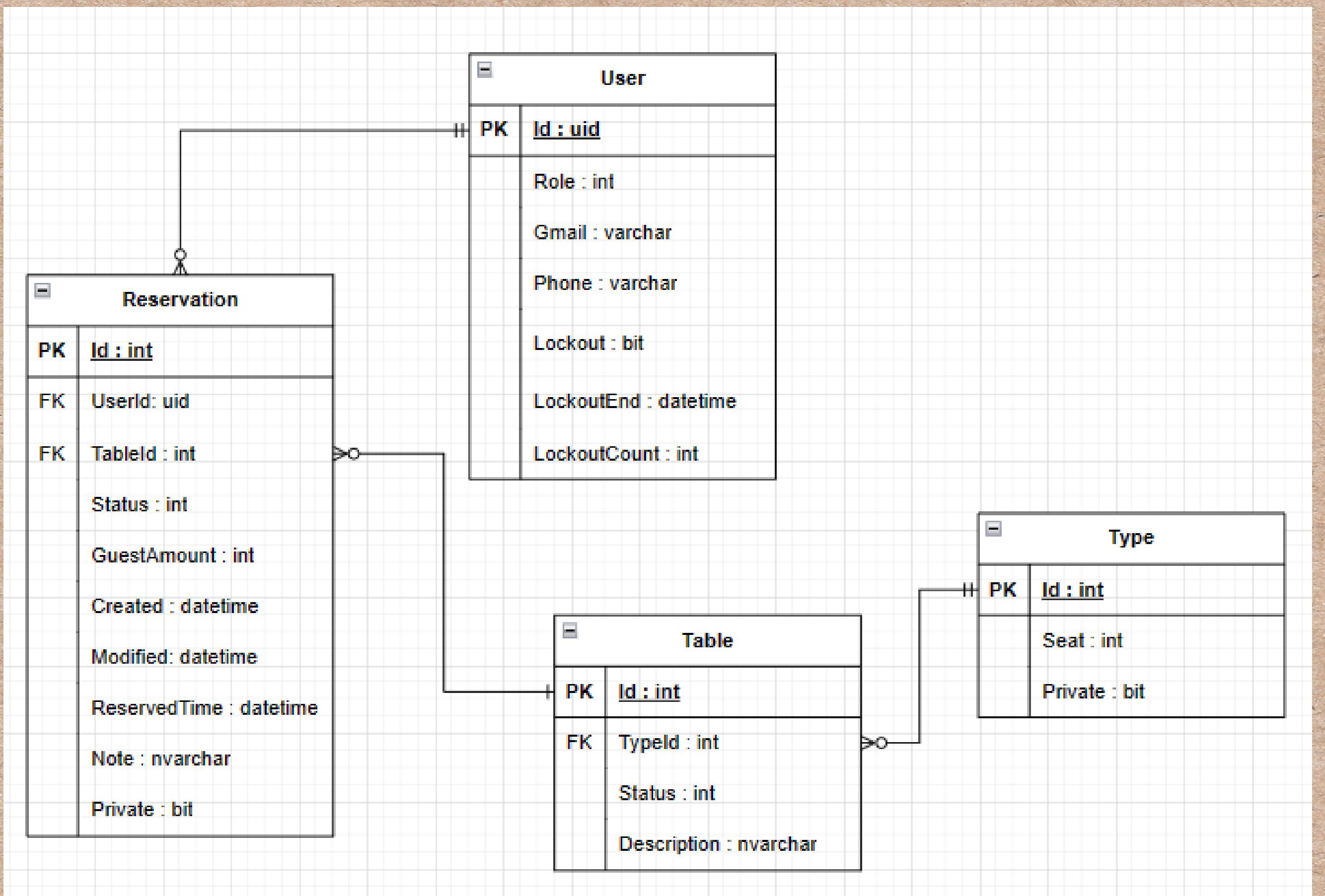


DRD- ERD

DRD



ERD

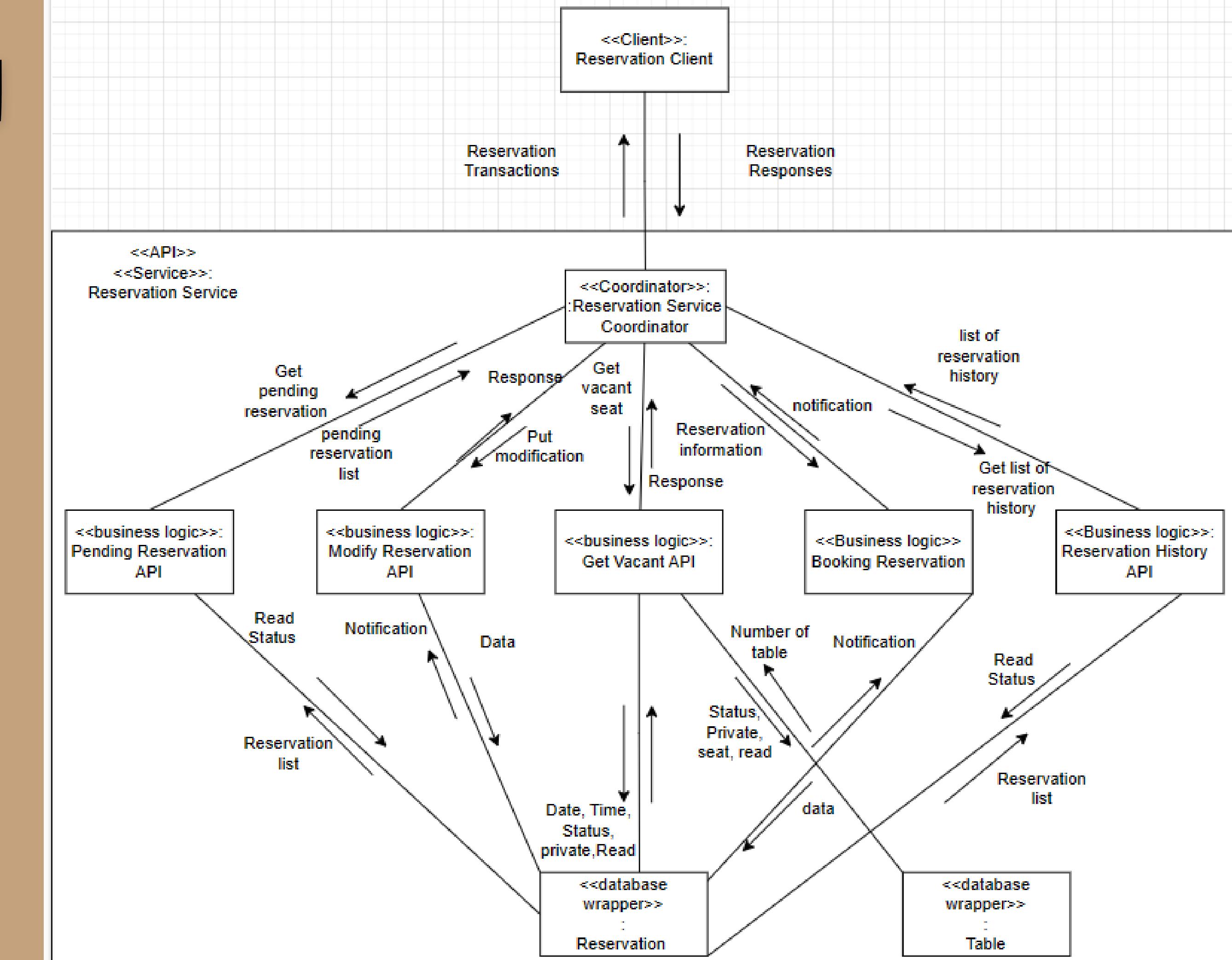




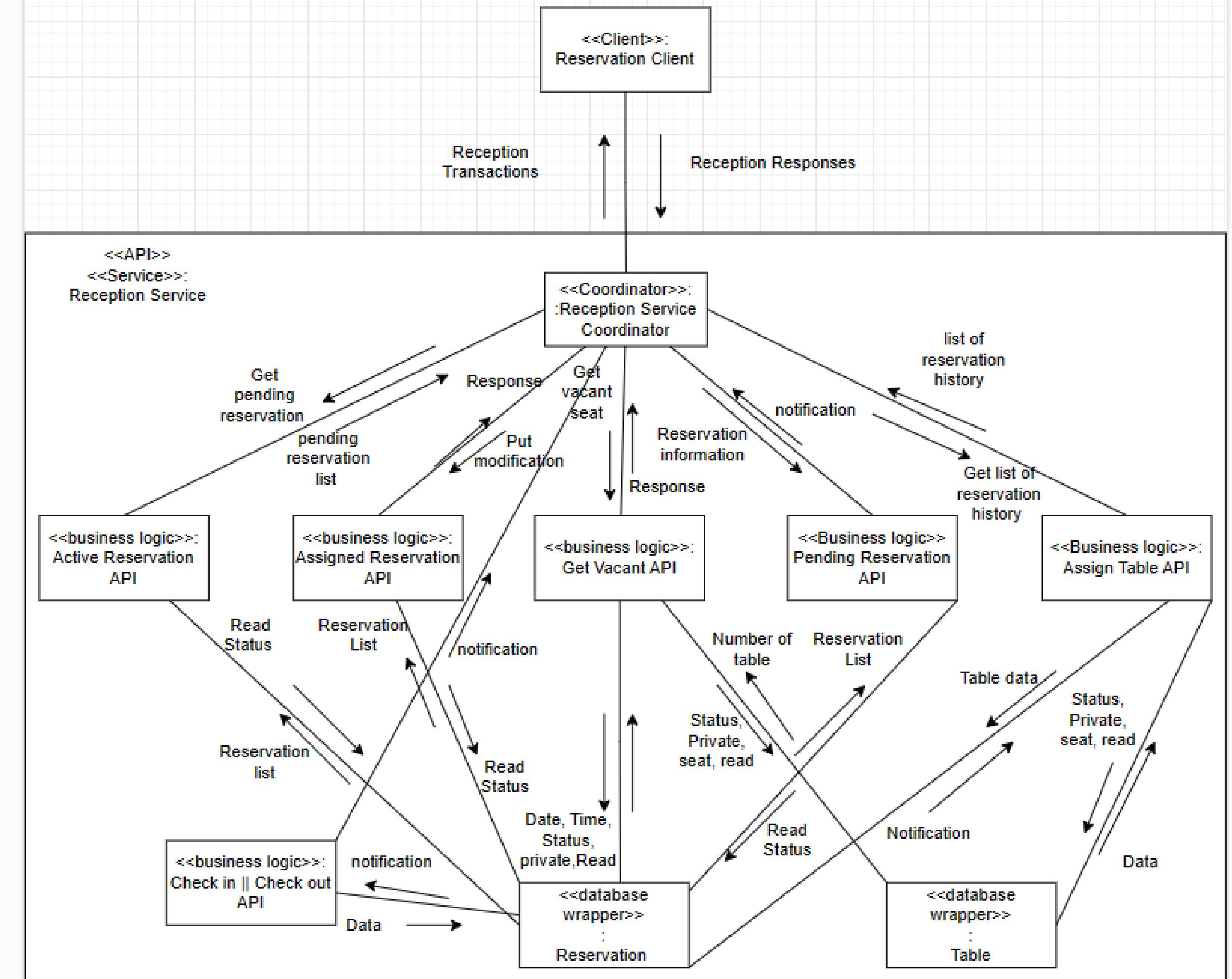
COMMUNICATION DIAGRAM



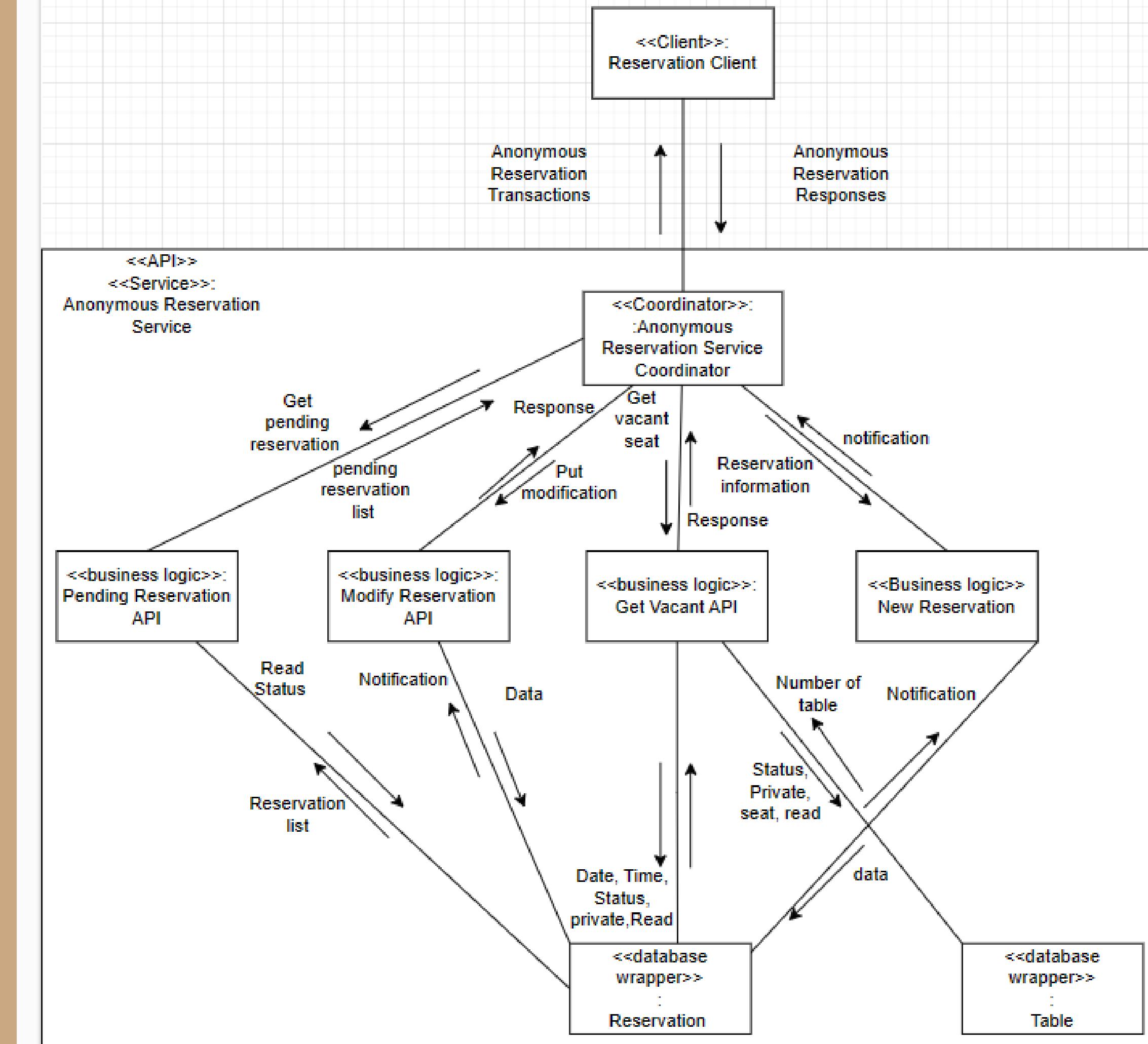
RESERVATION SERVICE



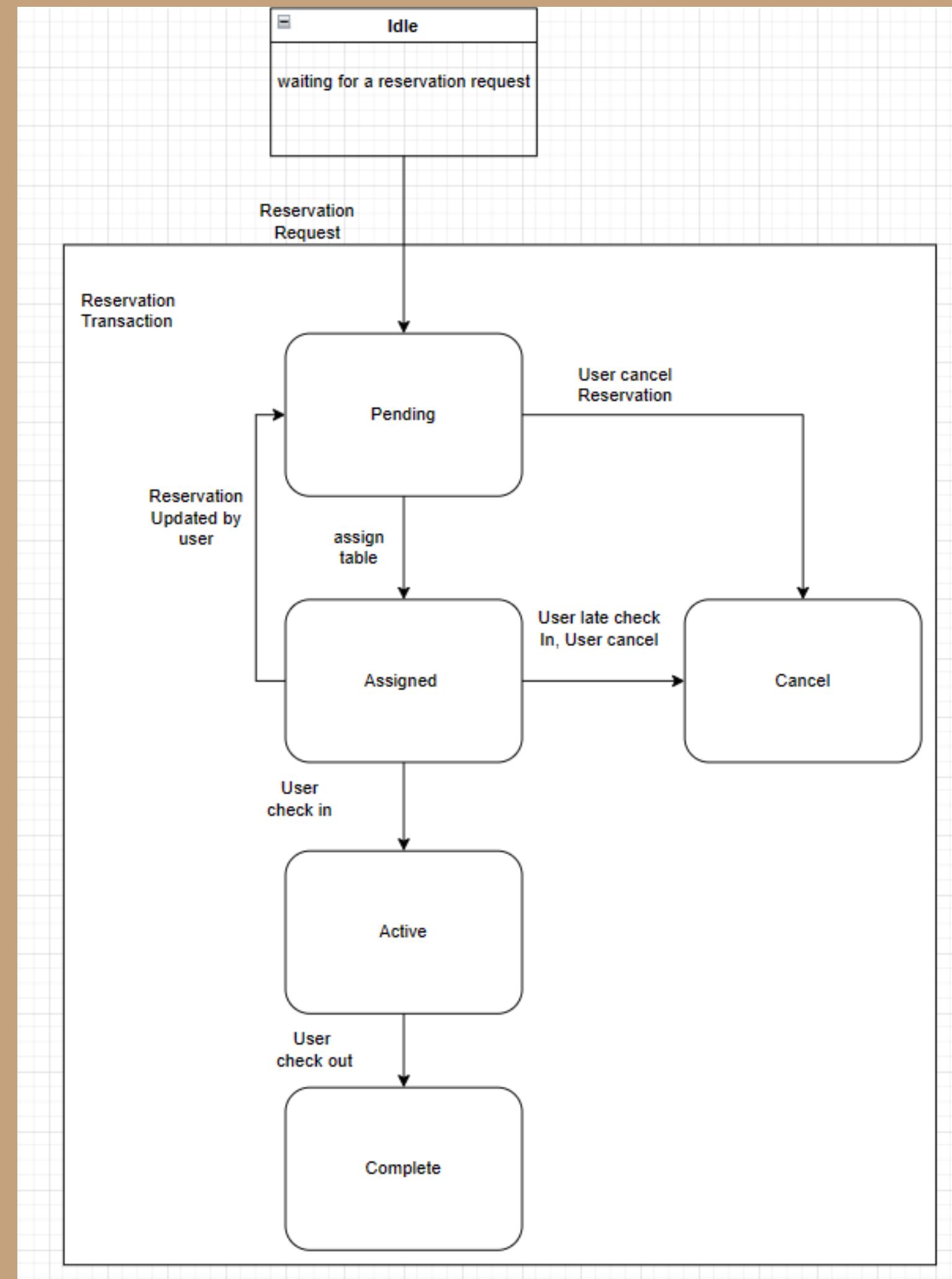
RECEPTION SERVICE



ANONYMOUS RESERVATION SERVICE



STATE CHART



SOURCE CODE

TABLE RESERVATION API:

[https://github.com/WilliamTrung/TableReservationAPI?
fbclid=IwAR3UdjeIY1Vj2NxUAHsNjGA0140NQjoCNXCbTIL0oz_m9IZUI3hMU9KIKKM](https://github.com/WilliamTrung/TableReservationAPI?fbclid=IwAR3UdjeIY1Vj2NxUAHsNjGA0140NQjoCNXCbTIL0oz_m9IZUI3hMU9KIKKM)

TABLE RESERVATION WEBSITE FOR STAFF:

[https://github.com/WilliamTrung/table-reservation-management?
fbclid=IwAR2nWjX1paewJuVcSZarB8-pLTZPVfKAn_iB5gLFigQrxwiqoBQF1UuDEug](https://github.com/WilliamTrung/table-reservation-management?fbclid=IwAR2nWjX1paewJuVcSZarB8-pLTZPVfKAn_iB5gLFigQrxwiqoBQF1UuDEug)

TABLE RESERVATION MOBLIE APP FOR CUSTOMER:

[https://github.com/DuyNM-FU/PRM?
fbclid=IwAR1PCA5mO_zAg7BEeUdCF1H_qnz0w12Ay9DSAvt5uVBThAAvi-424ykqDc](https://github.com/DuyNM-FU/PRM?fbclid=IwAR1PCA5mO_zAg7BEeUdCF1H_qnz0w12Ay9DSAvt5uVBThAAvi-424ykqDc)

THANKS