

## Use Case 1: Table Booking

### Scope:

Table Reservation System

### Purpose:

To computerize the manual system used by local restaurant for booking tables while gathering information about the Customer and if the table can be booked/not available.

### Primary Actor:

Receptionist

### Stakeholders and Interests:

- Receptionist
  - Wants accurate, fast booking system, and with less mistakes, as Digital data is easier to access than physical data, with minimum errors/mistakes.
- Customer
  - Wants faster service and with minimal efforts
- Restaurant
  - Wants to use digital system to make the things faster and easier to manage, also store data digitally to get access easily and store it for a long time, and improve customer service and management of the restaurant table reservation system.
- Manager
  - Wants to manage all the data relating to table booking system effortlessly and easier to access data, which is more accurate and with less errors.

### Preconditions:

- Tables can only be booked within the three time slots.
- If the table is booked by someone else, it becomes unavailable for others for that time slot only.
- Table can be booked in all three timeslots by different customers.
- Customer must give their name, phone number, number of people in the party, and their arrival time.
- If the number of people coming to the party are more than sitting capacity of the table, booking can not be done.
- If the time of the arrival is not between any of the three slots, booking can not be done.

### Success Guarantee (Postconditions):

- Table should become available to the customer who booked it on that time slot, and become unavailable for all the others.

### **Main Success Scenario:**

1. Booking time of Table should be within three time slots
2. Table should be available for the time slot of user's choice
3. There should not be more people than sitting capacity of the available tables.
4. Customer must give their name, phone number, arrival time and number of people coming with them to book the table.

### **Extensions:**

- a. Table Available, Booking Time is within time slots and Less people than sitting capacity
  1. Get the Customer information and book the table
- b. Table Unavailable
  1. Check if other time slots have table available.
  2. Decline to book the table
- c. Booking time is not within three time slots.
  1. Decline to book the table
- d. More people than capacity in the party
  1. Manager can authorize combining more than one table if available.
  2. Decline to book the table
- e. Customer can't provide information
  1. Decline to book the table

### **Special Requirements:**

- Touch screen UI on a large flat panel monitor. Text must be visible from 1 meter.
- Book more than one table at a time.

### **Technology and Data Variations List:**

- \*a. Customer Information entered by a keyboard
- \*c. Manager overrides entered by the employee id and pin through keyboard.

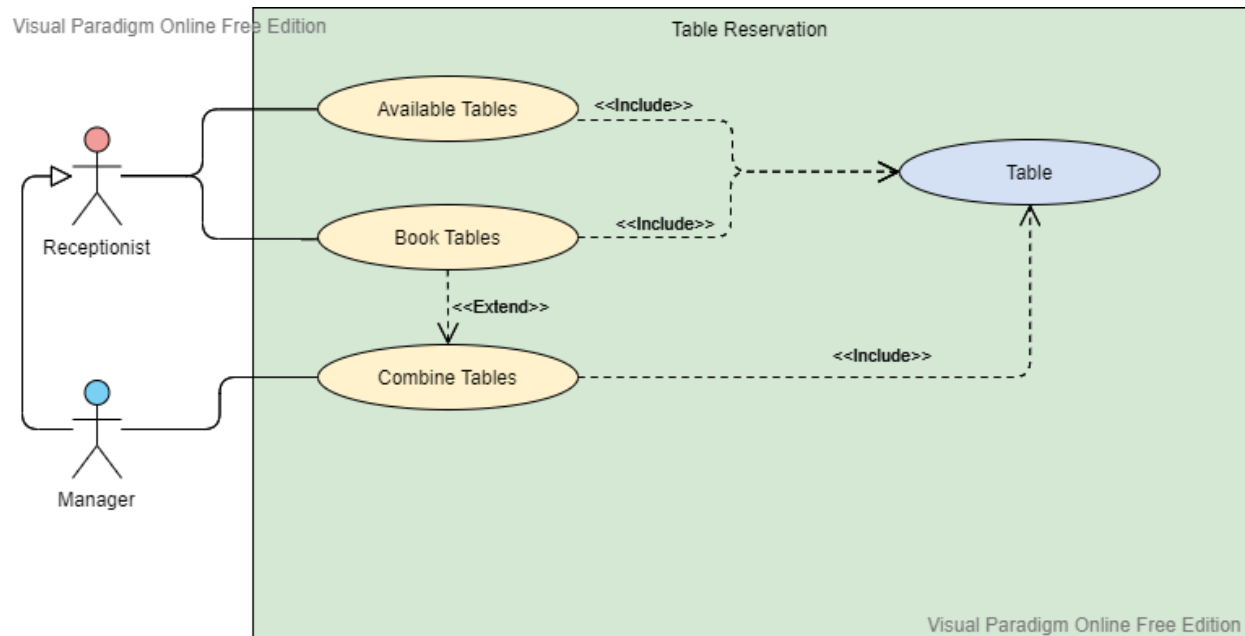
### **Frequency of Occurrence:**

Could be nearly continuous.

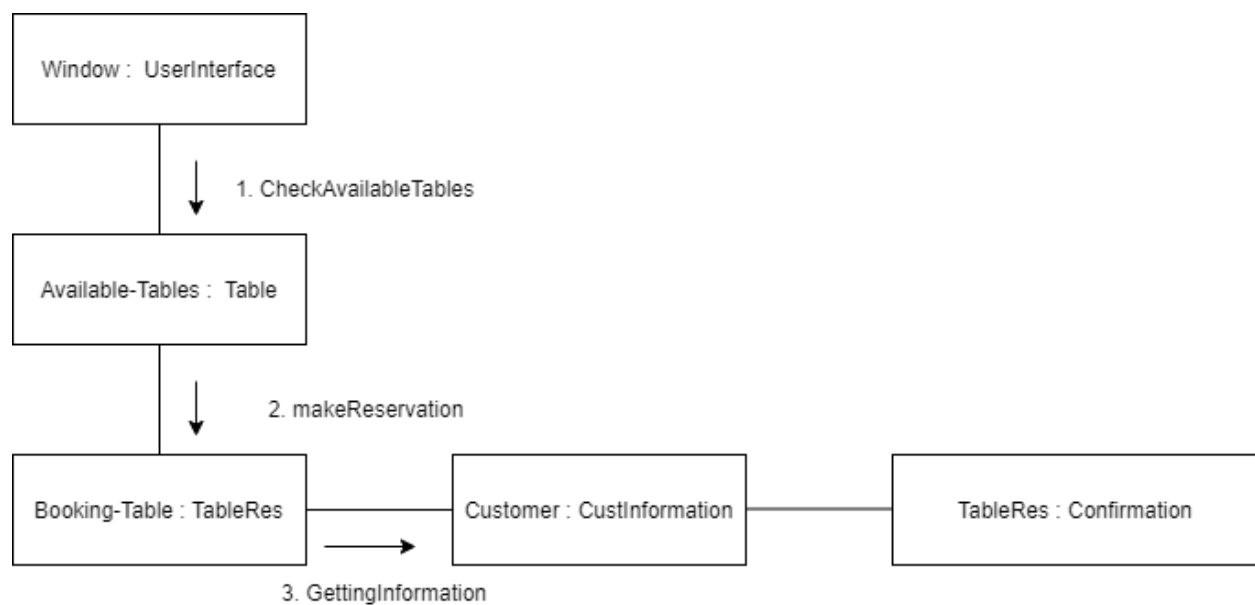
### **Miscellaneous:**

- Any given table may have no booking in a given time-slot.

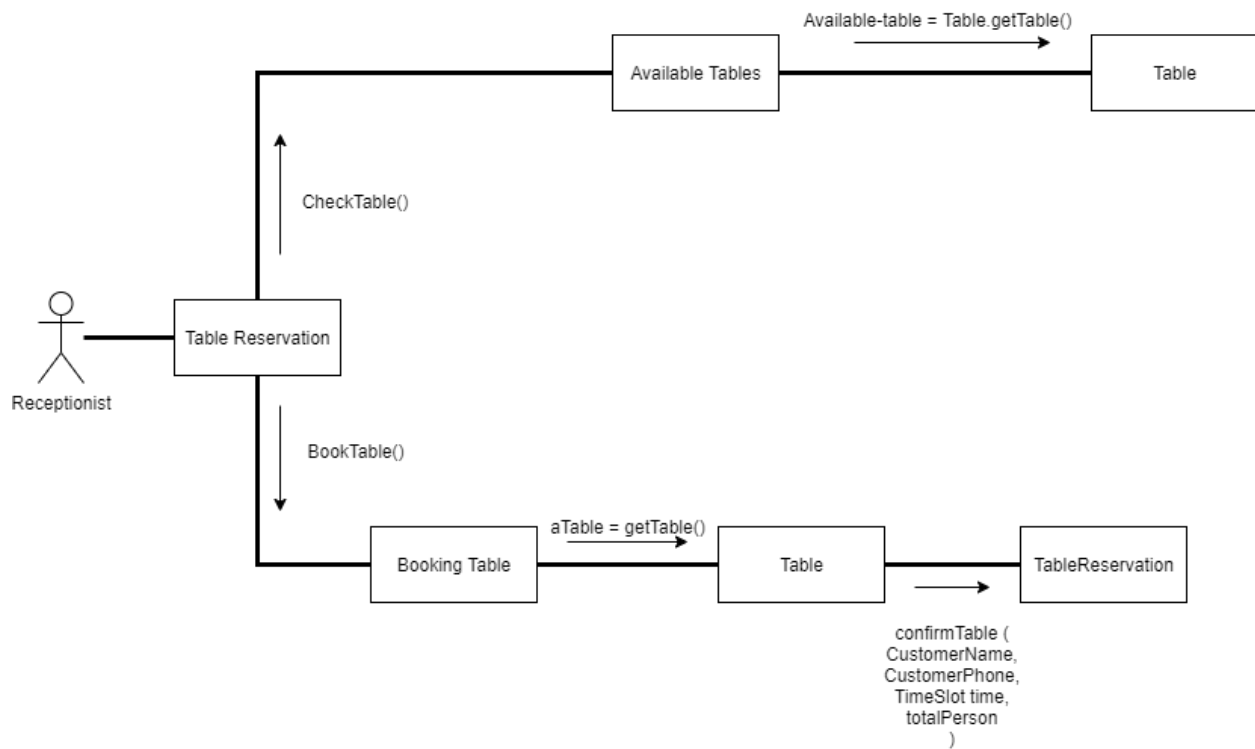
## Use Case Diagram :



## Collaboration Diagram :



# Communication Diagram :



# Analysis Class Diagram :

