BHARTIYA VIDYA BHAVANS
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Software Engineering Lab
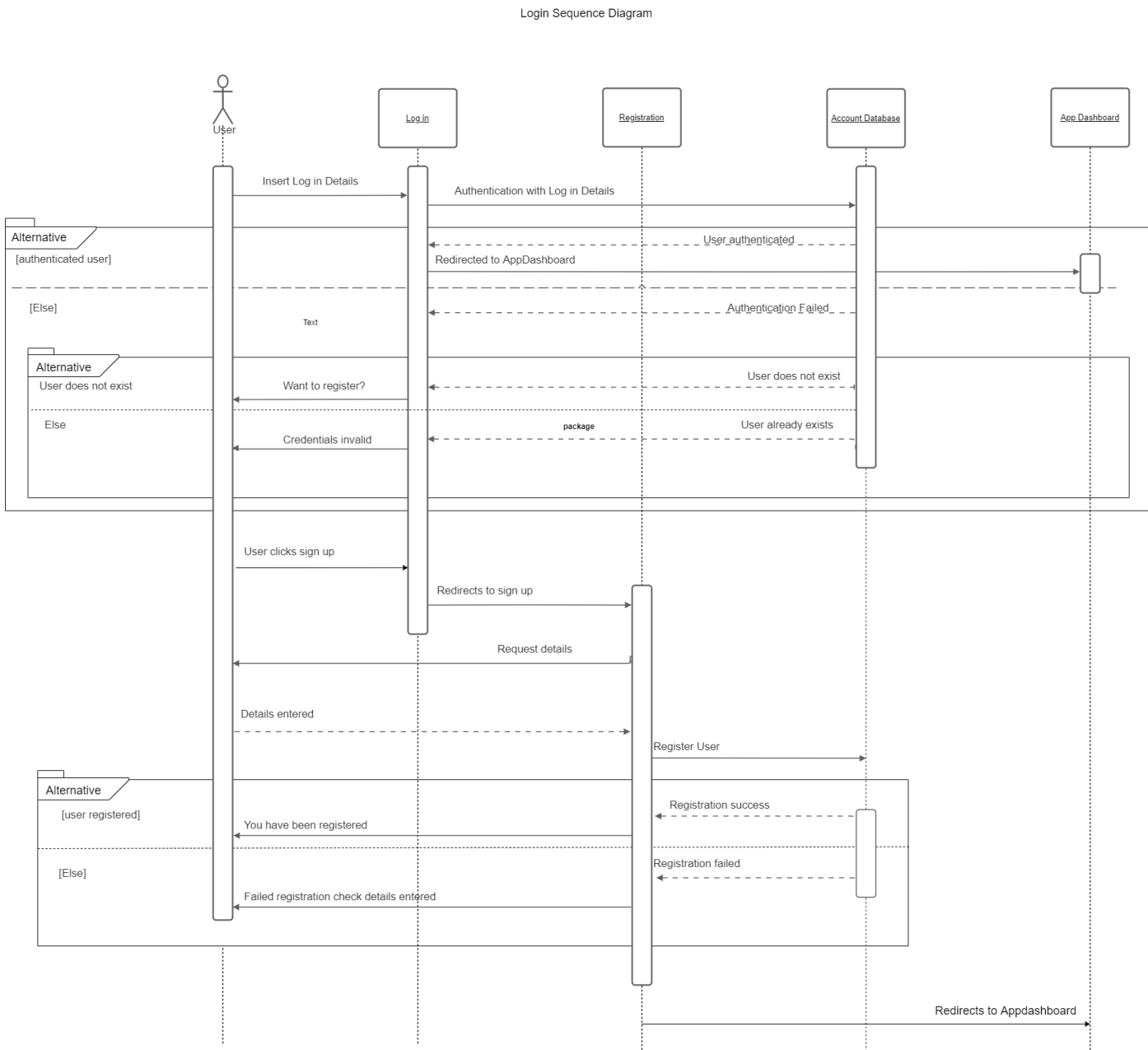
Group Members:

Shreya Shetty 2019140059

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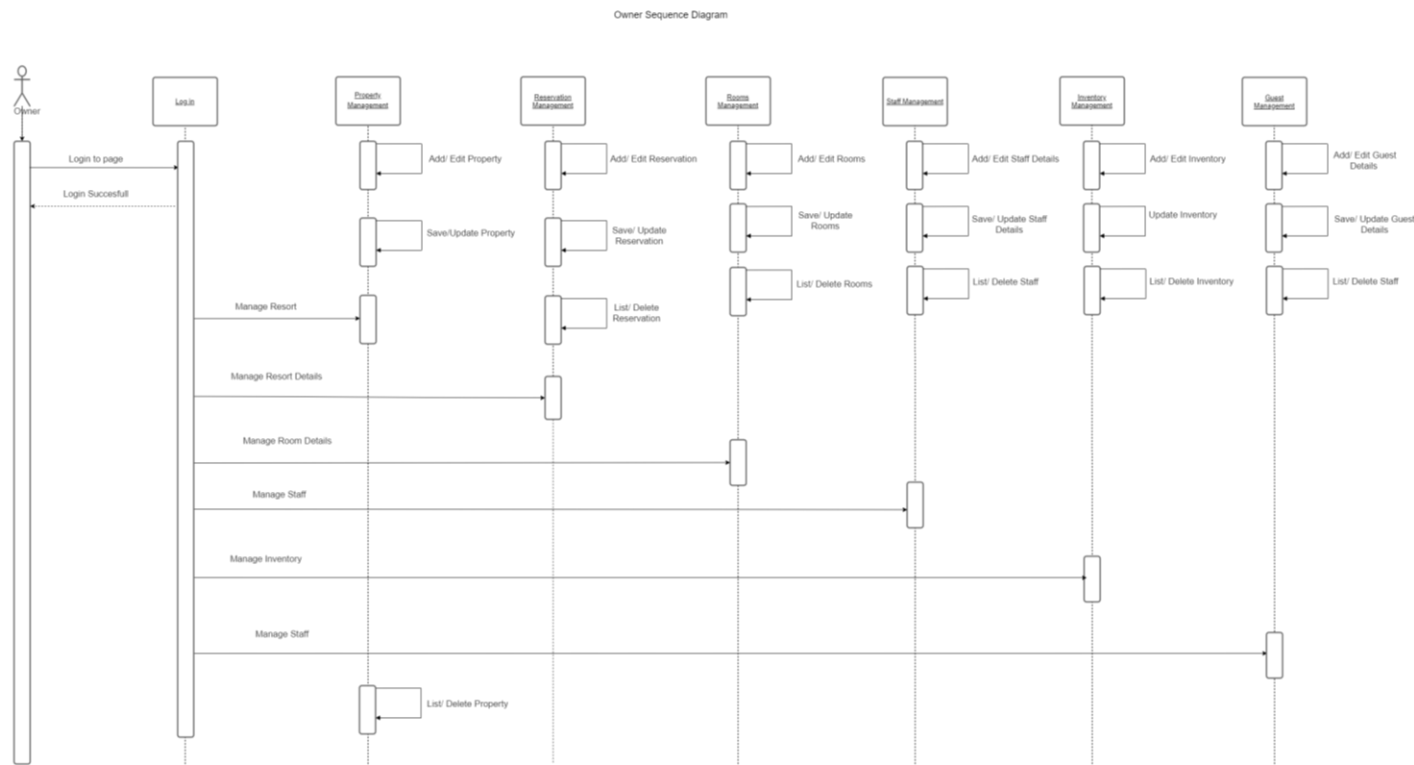
Topic: Resort Property Management System

Aim : Design Interaction diagrams for your case study

Problem Statement : The main objective of this project is to build a resort management system that consists of all the features and functions required for effectively managing a chain of resorts and to have an online presence that makes the reservation process easier and delivers outstanding customer service. The Resort Property Management System will permit employees to manage the daily administrative tasks of the resort and ensure smooth functioning of the resort. The system will be able to handle many services to take care of all customers in a quick manner. As a solution to the large amount of file handling happening at the resort, this software will be used to overcome those drawbacks.
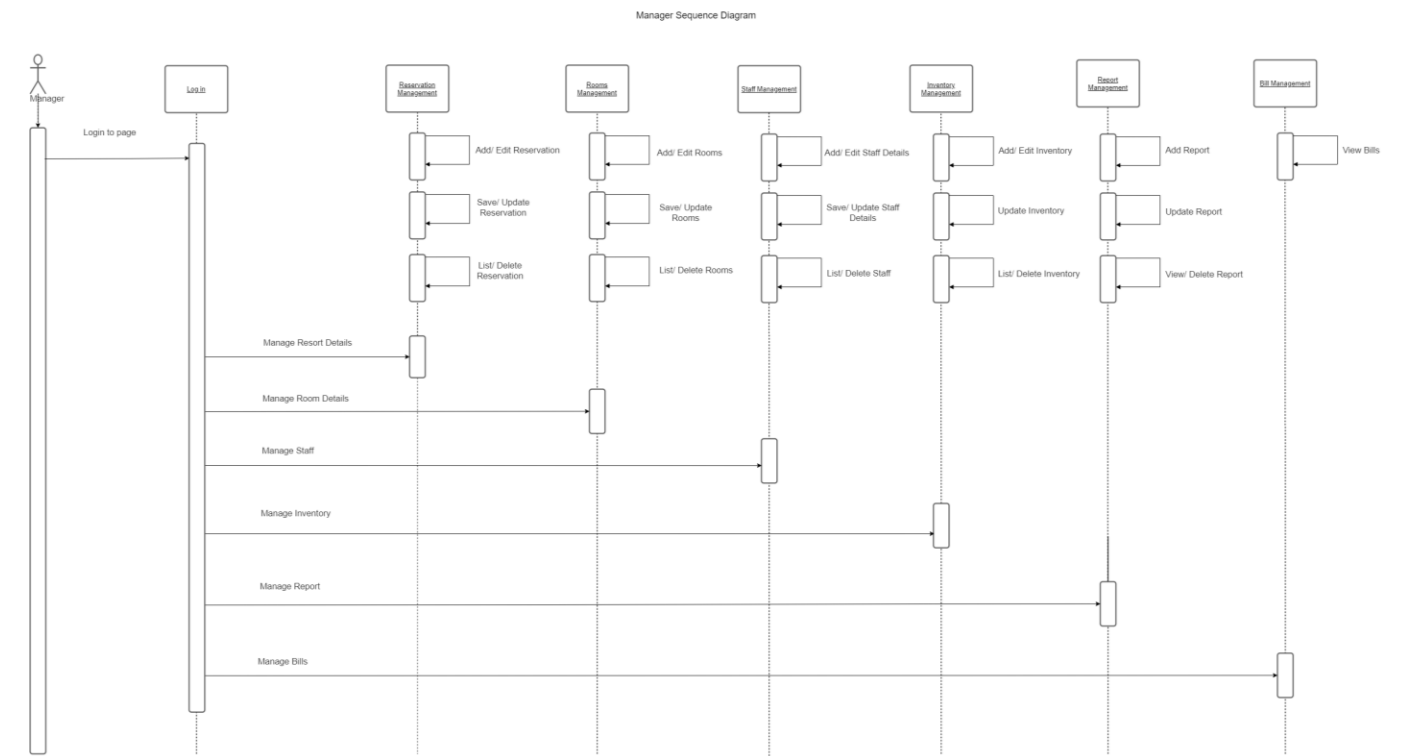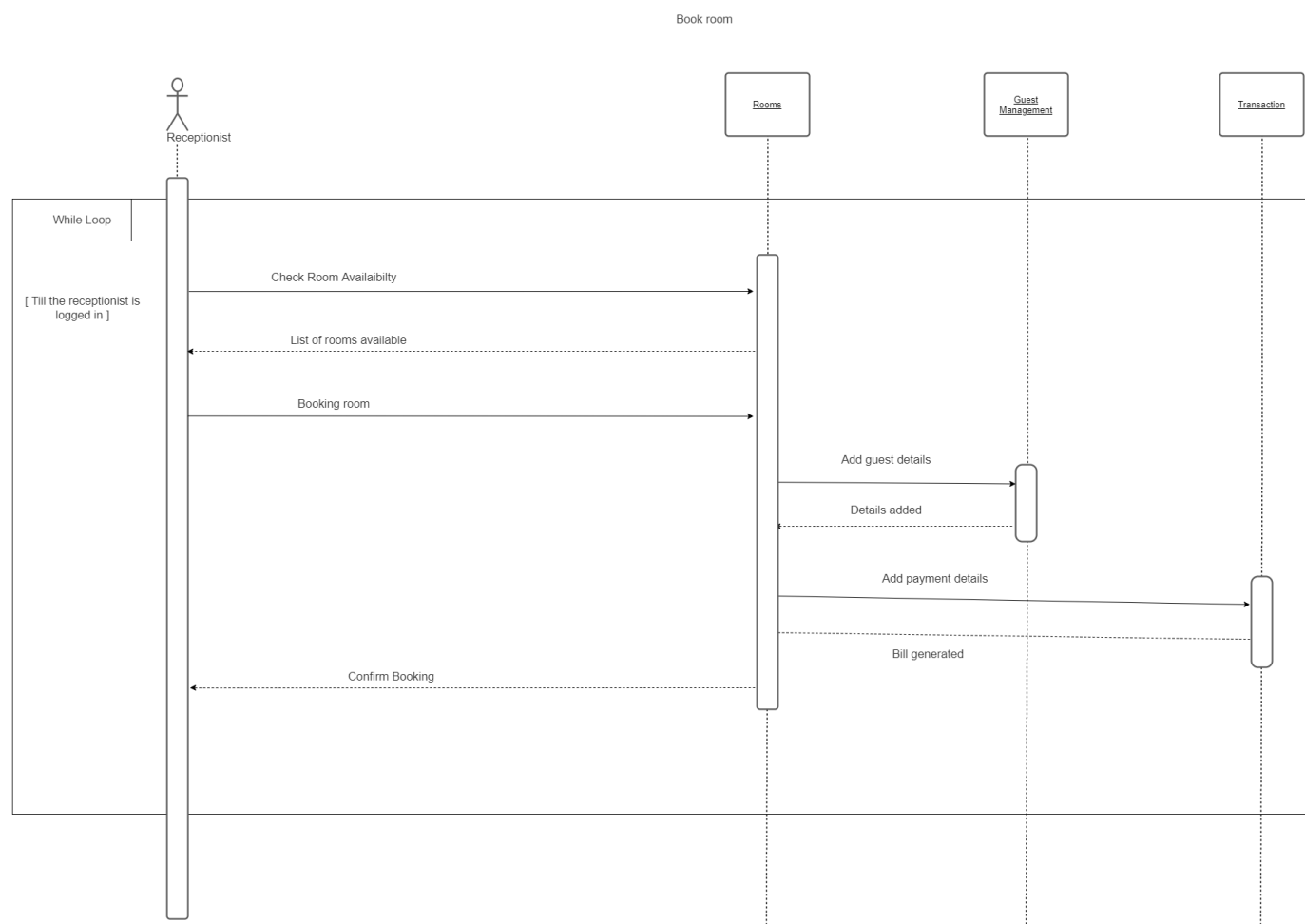
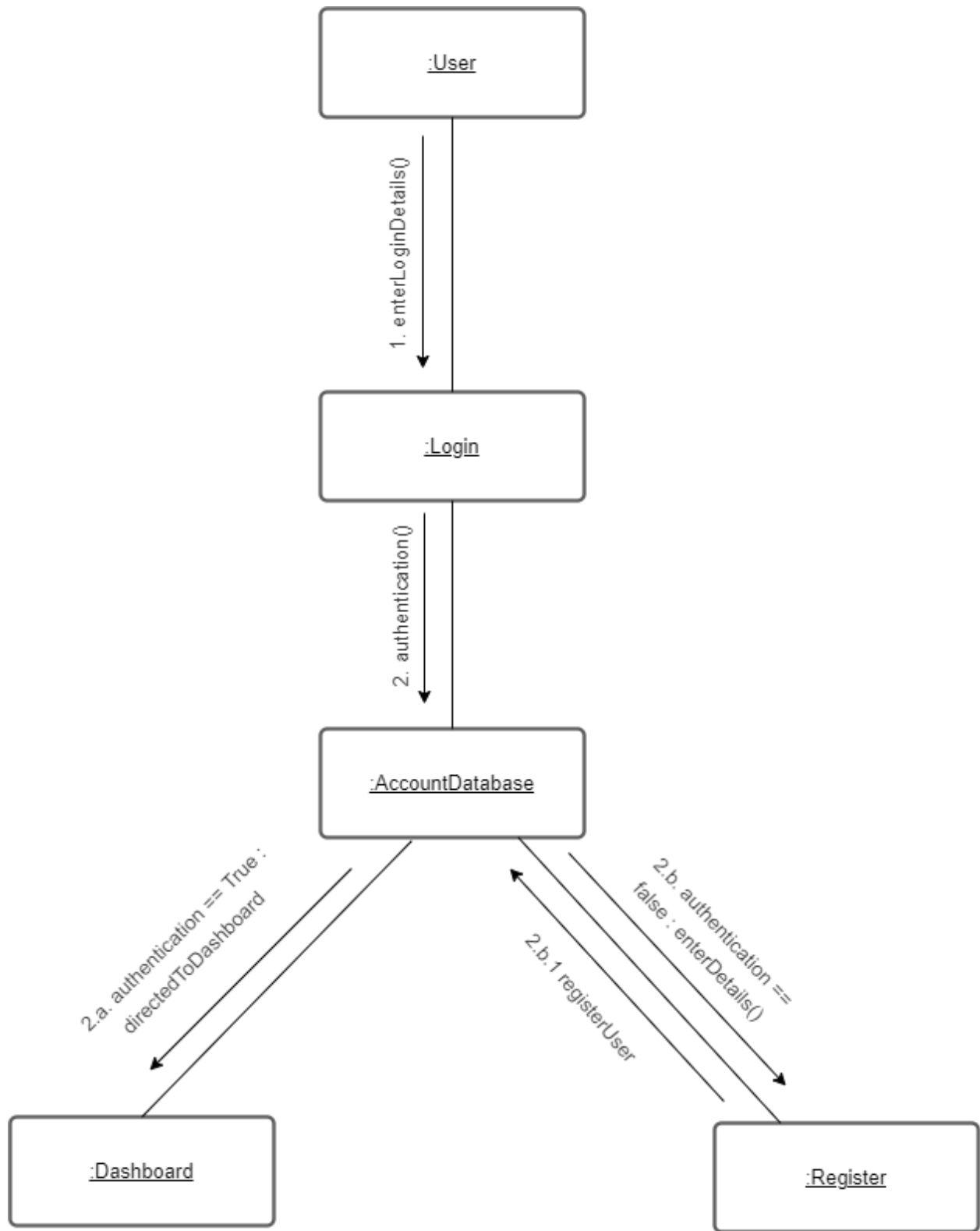# SEQUENCE DIAGRAM FOR LOGIN:

Login Sequence Diagram

User | Log in | Registration | Account Database | App Dashboard

Insert Log in Details

Authentication with Log in Details

Alternative

[authenticated user]

User authenticated

Redirected to AppDashboard

[Else]

Text

Authentication Failed

Alternative

User does not exist

Want to register?

User does not exist

Else

package

User already exists

Credentials invalid

User clicks sign up

Redirects to sign up

Request details

Details entered

Register User

Alternative

[user registered]

Registration success

You have been registered

[Else]

Registration failed

Failed registration check details entered

Redirects to Appdashboard

SEQUENCE DIAGRAM FOR OWNER (ADMIN):

Owner Sequence Diagram

SEQUENCE DIAGRAM FOR MANAGER:

Manager Sequence Diagram

SEQUENCE DIAGRAM FOR RECEPTIONIST(Booking Room):

Book room

Receptionist | Rooms | Guest Management | Transaction

While Loop

[Till the receptionist is logged in]

Check Room Availaibilty →

← List of rooms available

Booking room →

Add guest details →

← Details added

Add payment details →

← Bill generated

← Confirm Booking

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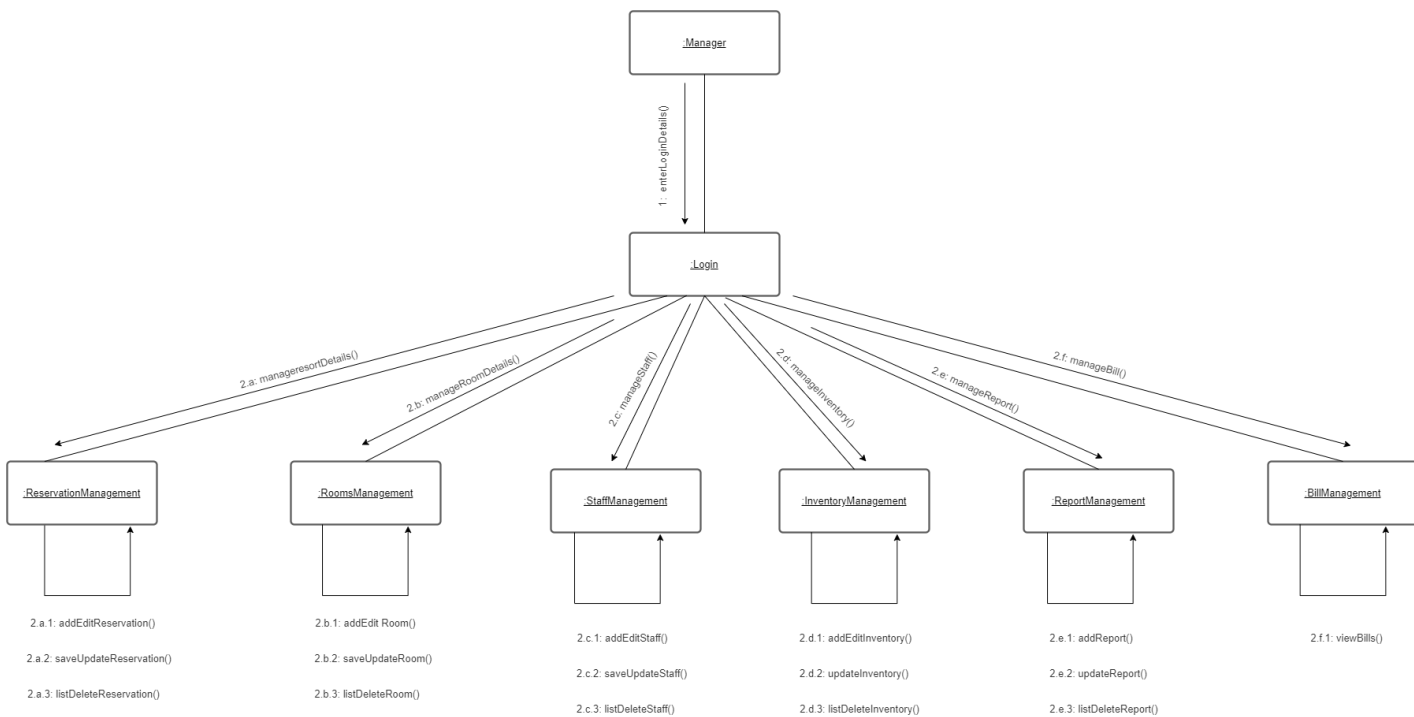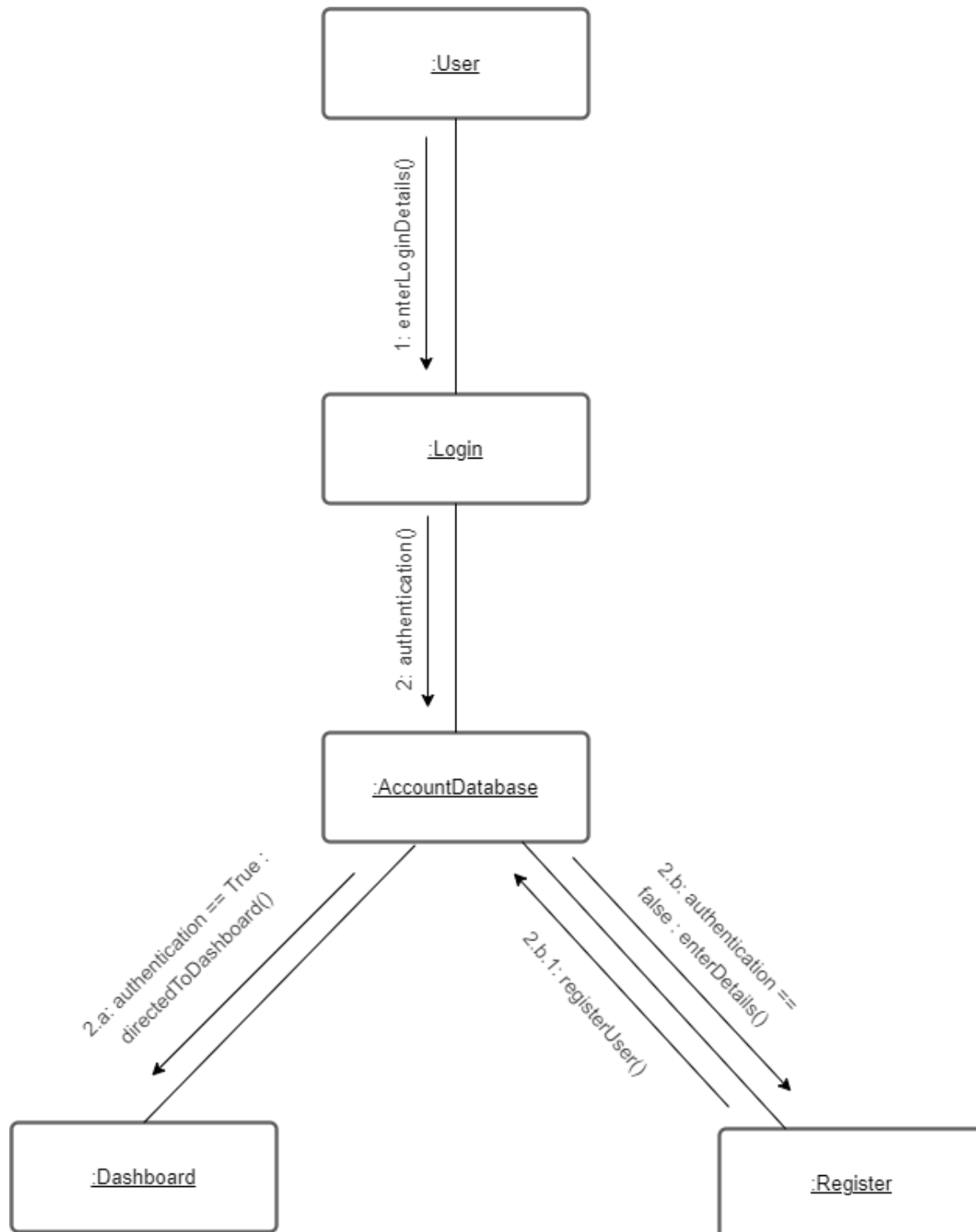**COLLABORATION DIAGRAM FOR LOGIN:**

COLLABORATION DIAGRAM FOR OWNER:
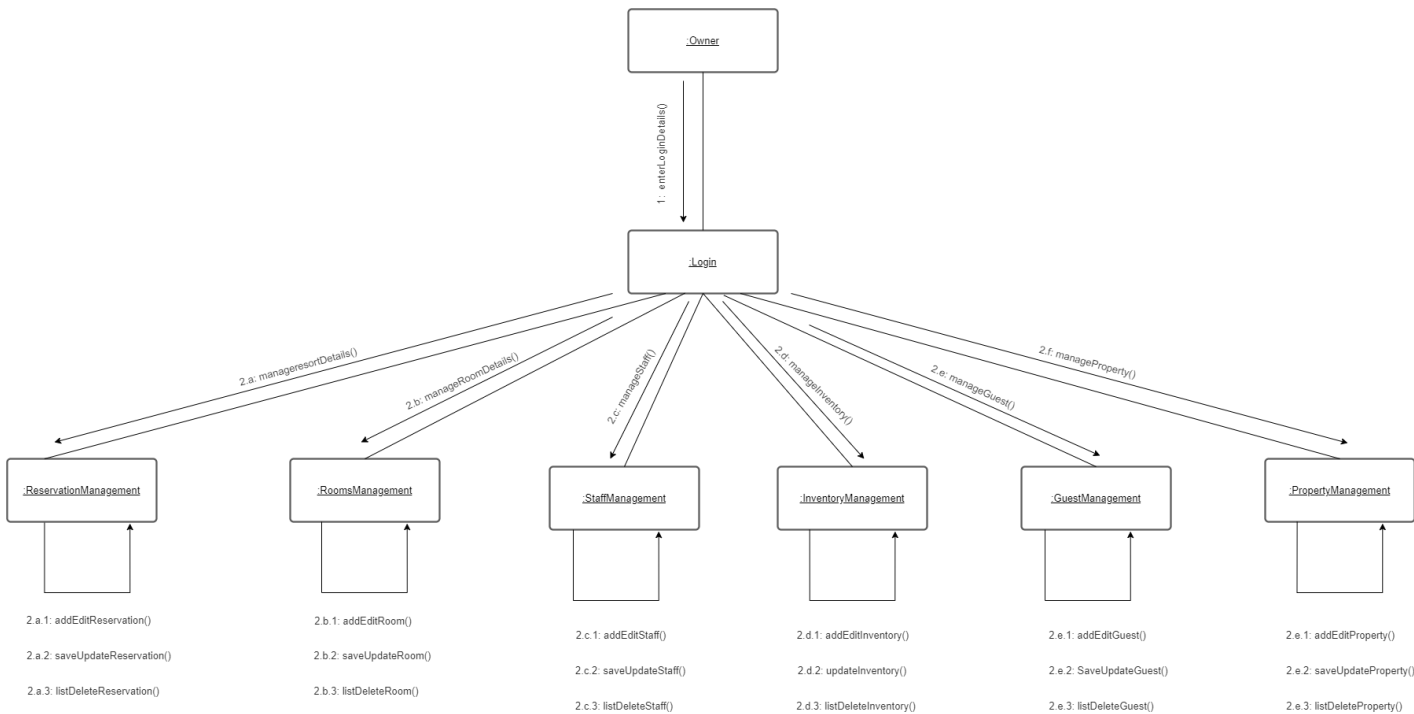
COLLABORATION DIAGRAM FOR MANGER:

COLLABORATION DIAGRAM FOR RECEPTIONIST:

Conclusion: Thus, in this experiment, Interaction diagrams (Sequence and Collaboration) were successfully created for our case study.