Software Requirements Specification

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1.ABSTRACT:

The Online Ticket Booking System is a ticket booking system that provides a single platform for all forms of ticket booking for traveling. Unless individuals step into the travel agent business to purchase the tickets and to check the timings as in the previous point. The launch of the Online Ticket Booking System addresses this issue. This project would provide clients with an option to book tickets online and to search online for confirmation. Customers can book airline tickets, bus tickets, train tickets using this application.
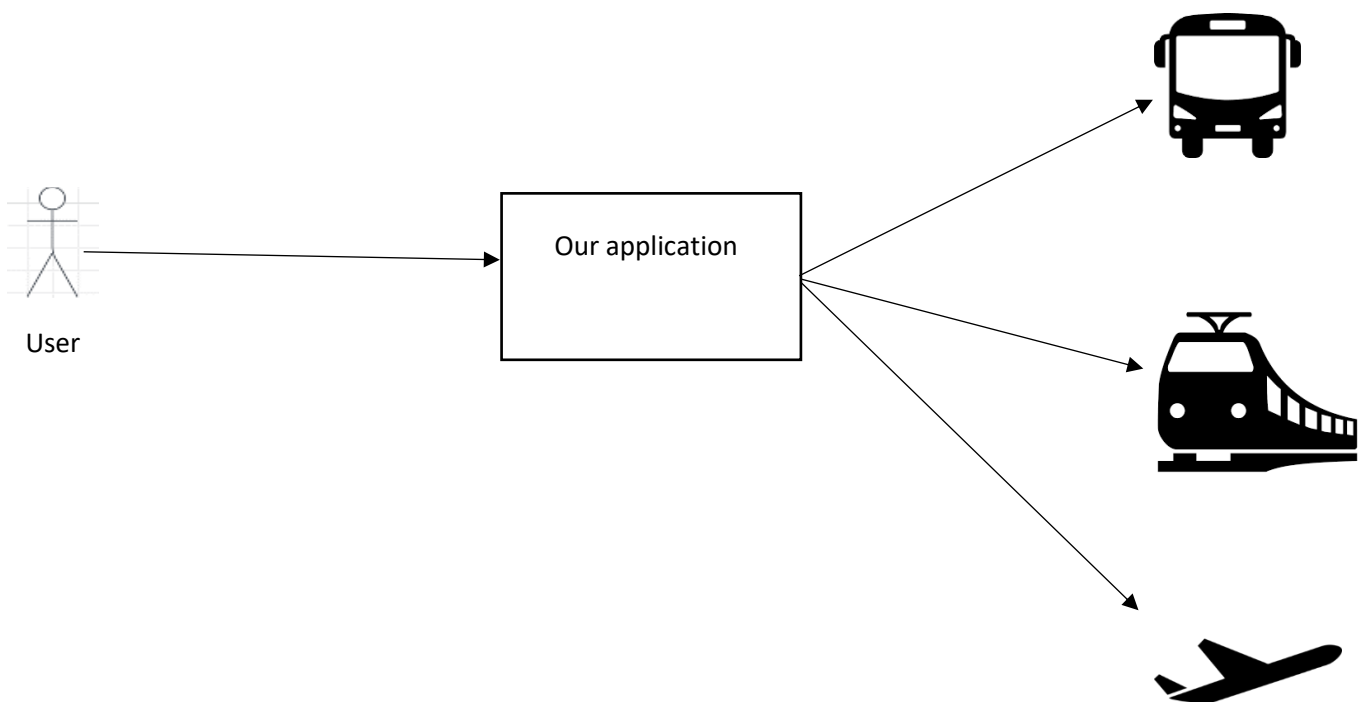
2.SCOPE OF THE PROJECT:

The scope of the project is creating an application to reserve ticket for three modes of transport and local cab facilities. And give details about the local public transport details like buses in the application.

3.EXISTING SYSTEM:

In the existing system, every application has single reservation method only. There are very few applications only to book all kind of transport ticket booking system. This application allows the user to book tickets for three modes of transport.

4.PROPOSED SYSTEM:

5.MODULE DESCRIPTION:

5.1 Registration:

The customer wants to get transport availability then he/she must be registered, unregistered user can't go for reservation process.

5.2 Login:

The customer login to the system by entering valid user id and password for reservation.

5.3 Vehicle:

This module consists of information related to the Vehicle. The admin will have authority to add delete or update the Vehicle Information.

5.4 Moderator:

In this module the Moderator will update the seat availability of the Vehicle.

5.5Reservation:

The information related to look up different vehicle available to the searched route, contact details, map direction and price will be there in this module.
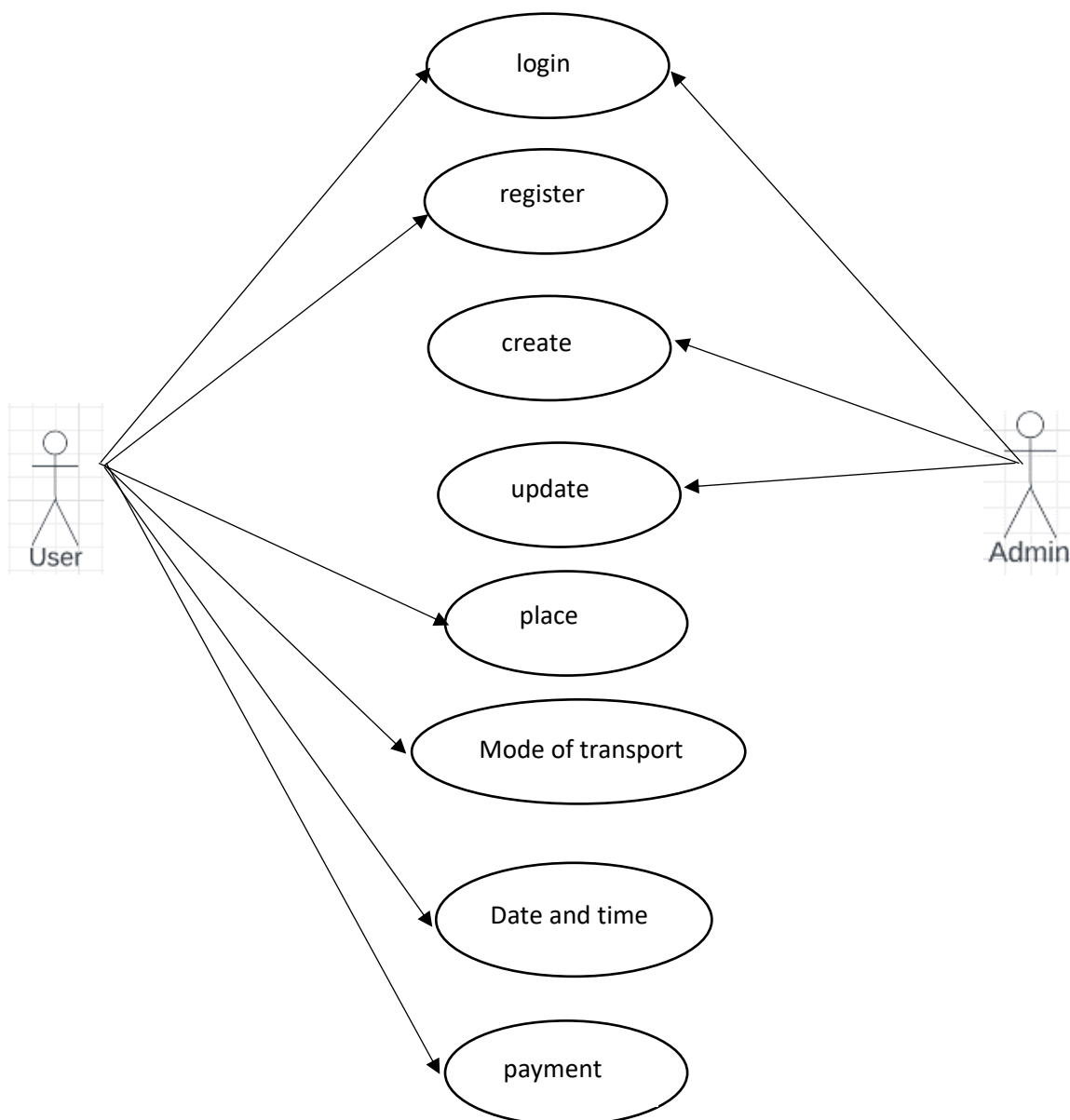
6. FUNCTIONAL REQUIREMENTS:

- User must secure internet connection to book the tickets.
- Every online booking needs to be associated with an account.
- One account cannot be associated with multiple users.
- Search results should enable users to find the most recent and relevant booking options.
- System should enable users to book / pay for their tickets only in a timeboxed manner after tickets being added to the cart.
- System should only allow users to move to payment only when mandatory fields such as date, time, location has been mentioned.
- Booking confirmation should be sent to user to the specified contact details.
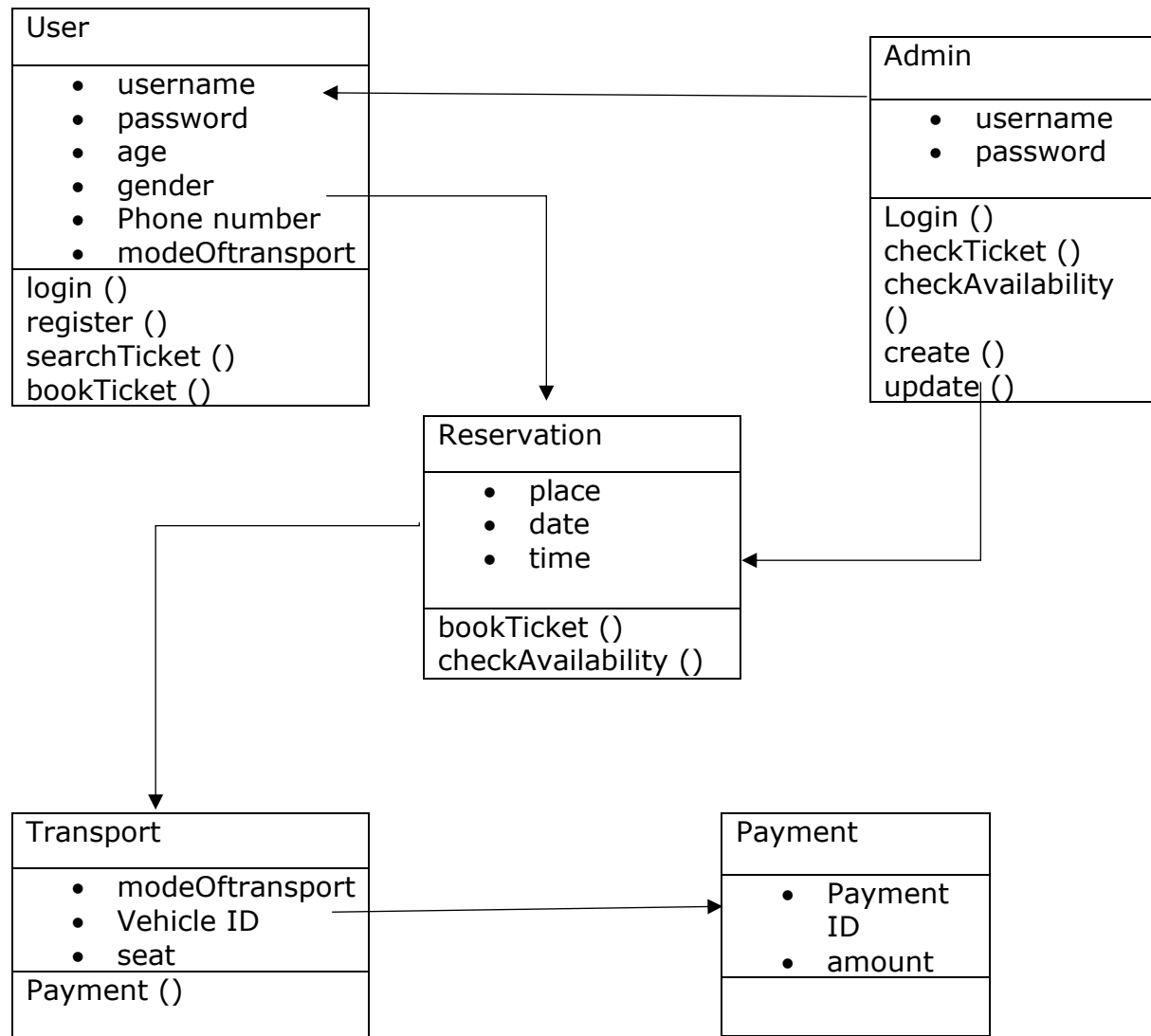
7.NON-FUNCTIONAL REQUIREMENTS:

- Search results should show with acceptable time limits
- User should have to fill in the mandatory fields.

- System should accept payments via different payment methods like Credit/Debit Card, UPI, Net banking, etc.
- The system should send the registration details to the User's registered Contact details.
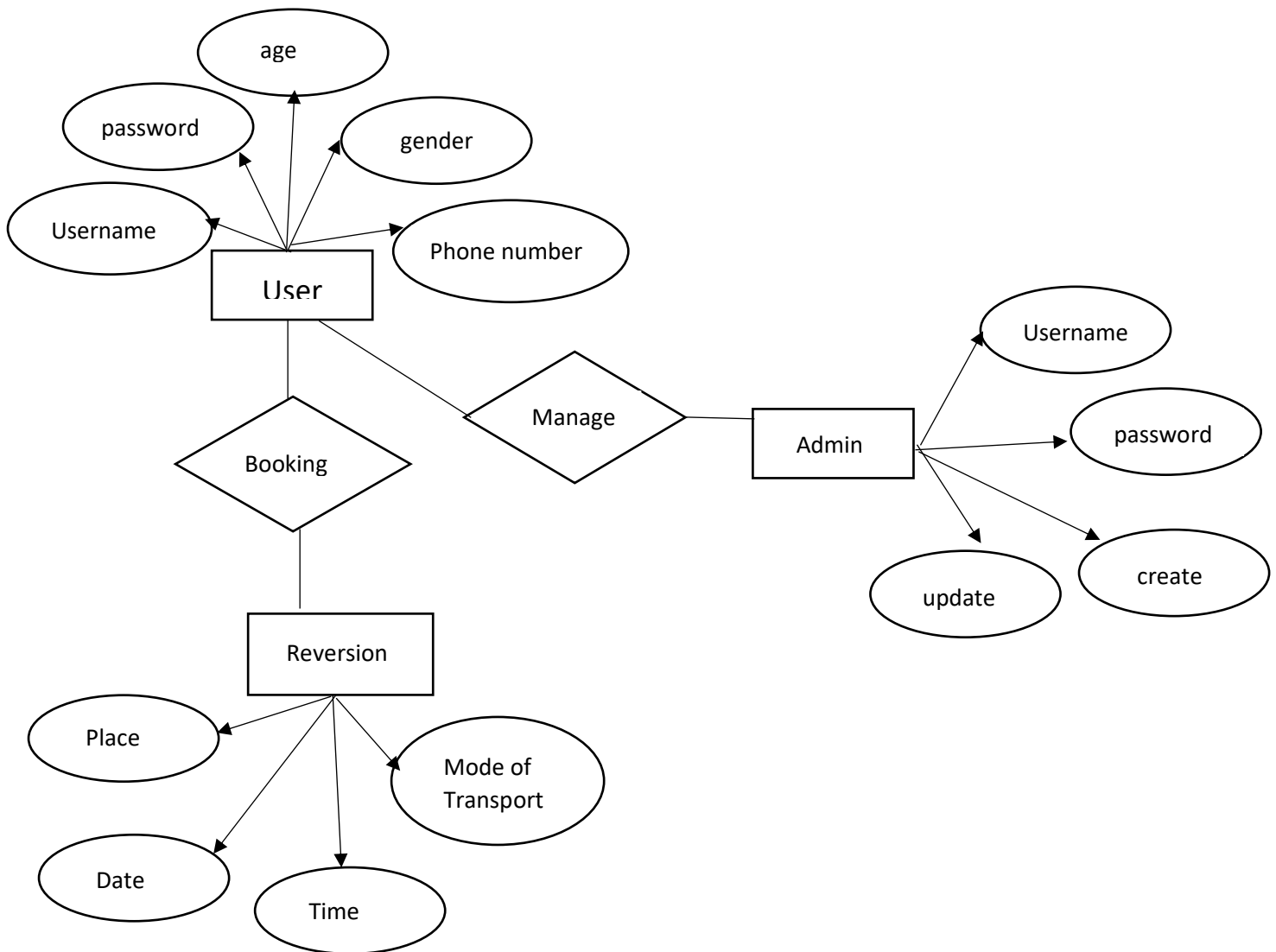
7.1 USE CASE DIAGRAM:

7.2 CLASS DIAGRAM:

User

- username
- password
- age
- gender
- Phone number
- modeOftransport

login ()
register ()
searchTicket ()
bookTicket ()

Admin

- username
- password

Login ()
checkTicket ()
checkAvailability ()
create ()
update ()

Reservation

- place
- date
- time

bookTicket ()
checkAvailability ()

Transport

- modeOftransport
- Vehicle ID
- seat

Payment ()

Payment

- Payment ID
- amount

7.3 ER DIAGRAM:

CONCLUSION

In conclusion, online travel ticket booking systems have revolutionized the way people plan and book their travel. They offer convenience, speed, and accessibility to customers, allowing them to compare prices, check availability, and make reservations from the comfort of their own homes or while on the go. The advancements in technology and the availability of mobile devices have made online travel ticket booking systems even more accessible and user-friendly. With the increasing popularity of online travel ticket booking systems, it is expected that they will continue to evolve and offer even more features and benefits to travellers. Overall, online travel ticket booking systems are a convenient and efficient way to plan and book travel.