

# **Case Study**

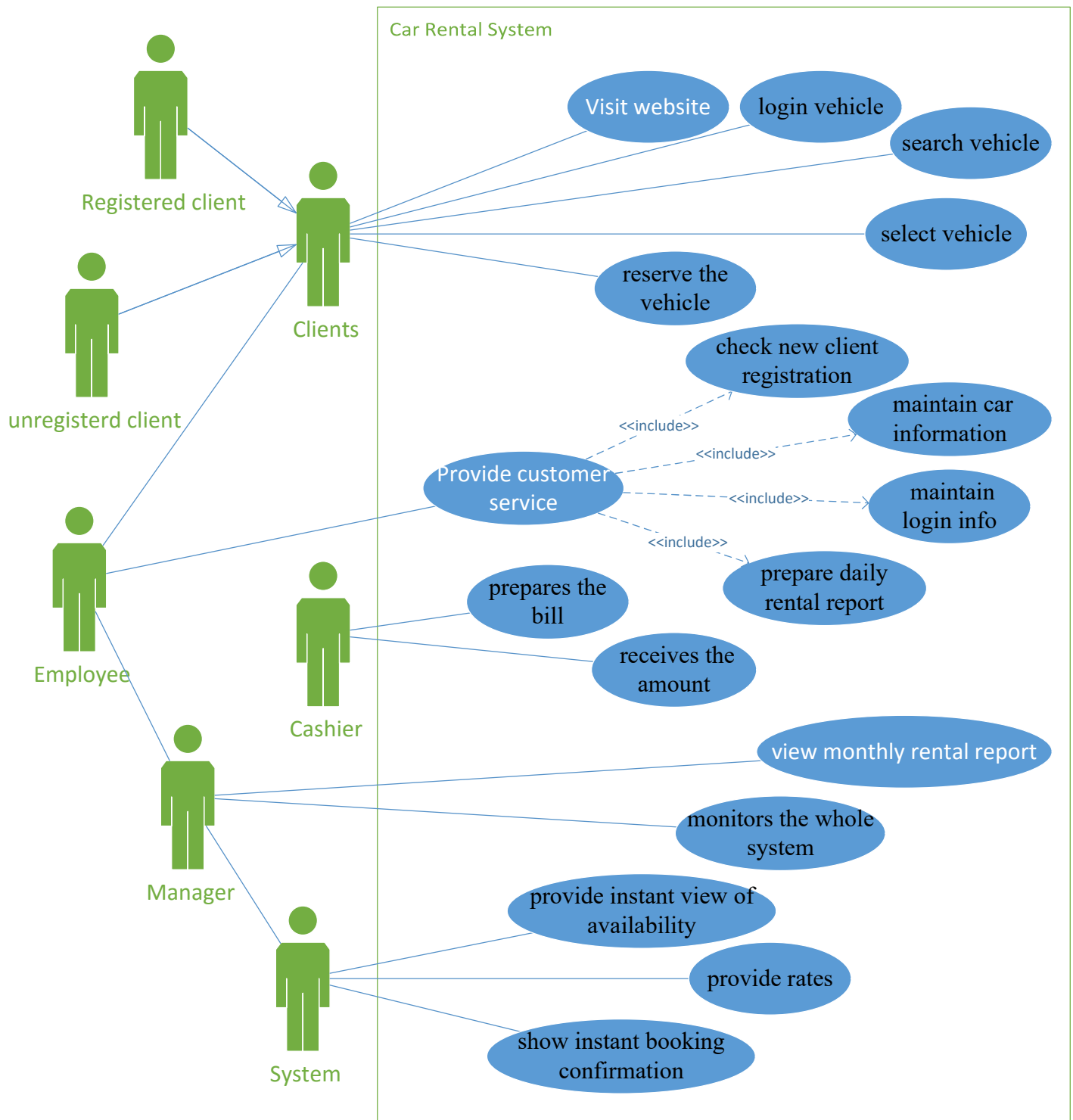
## **Car Rental System**

Car Rental System is a system designed for a car rental business. Registered and unregistered Clients can visit your website and registered clients should be able to login, search, select and reserve the vehicle of their choice. Employee allocated for customer service check client registration and login info, maintain car information and prepare daily rental report. It(system) gives your clients instant view of availability, rates and instant booking confirmation. The cashier prepares the bill and receives the amount from customer. The manager view monthly rental report and monitors the whole system.

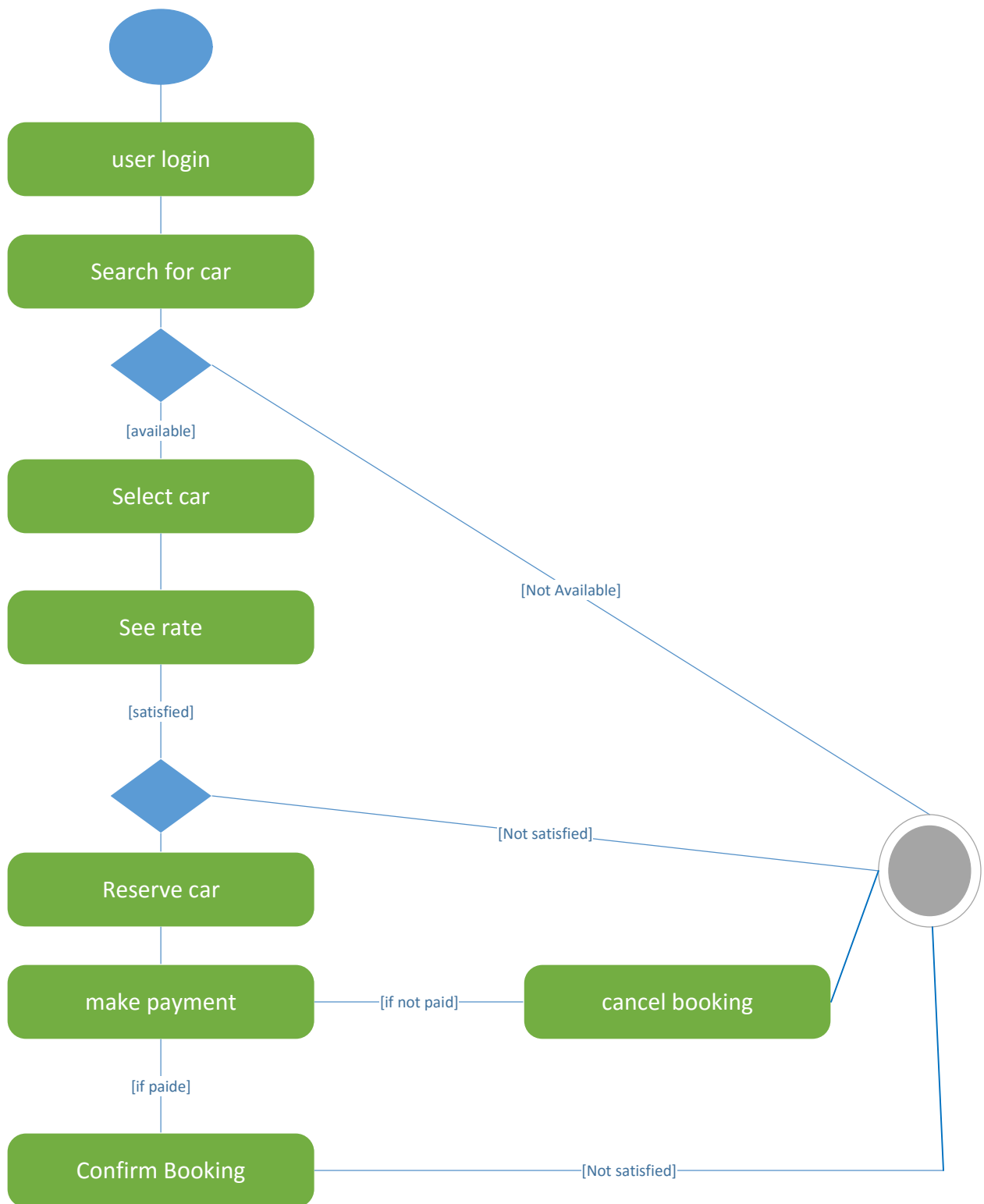
Presented By: Mousumi Akter

ID: 1238595

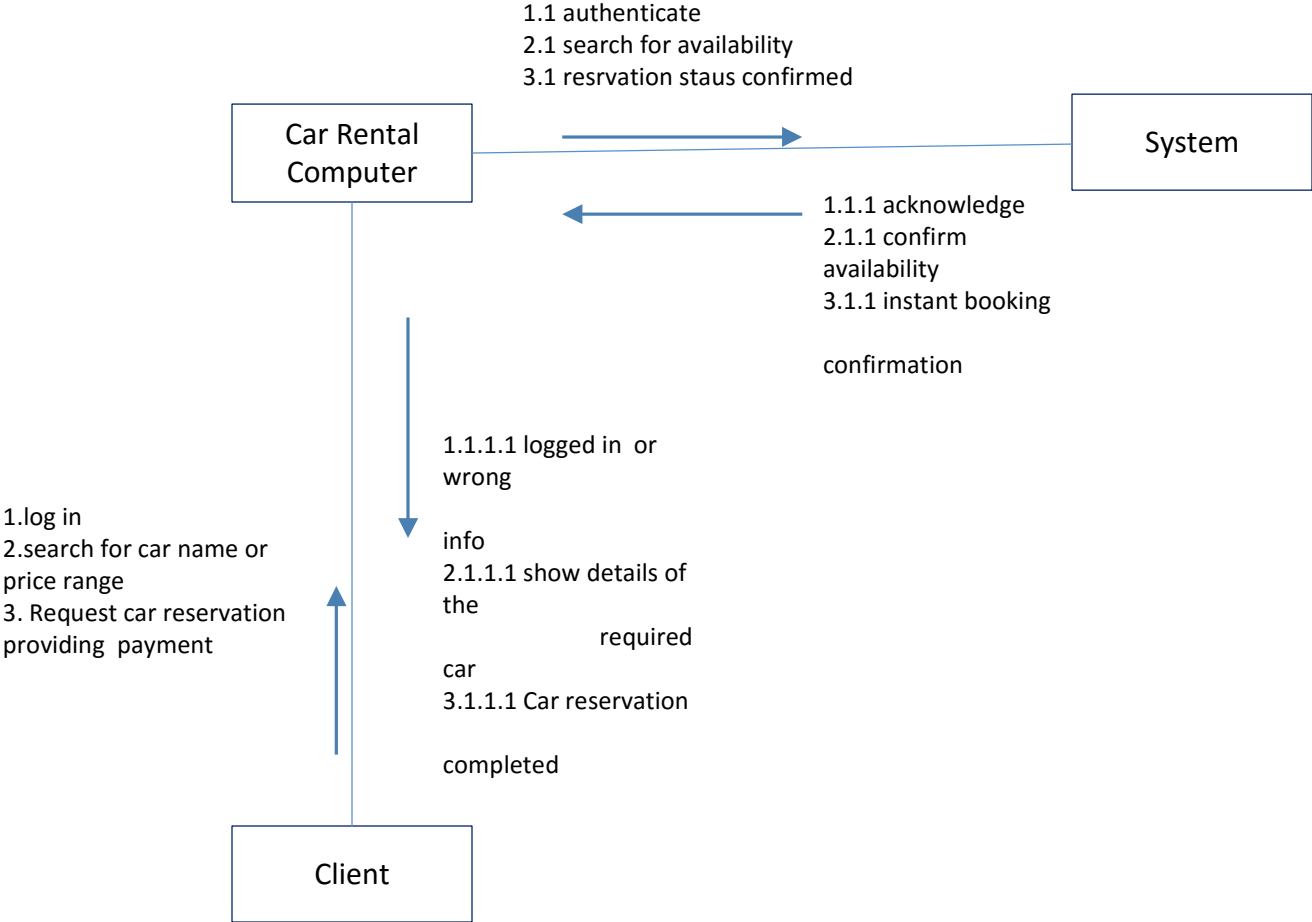
## Use Case for Car Rental System



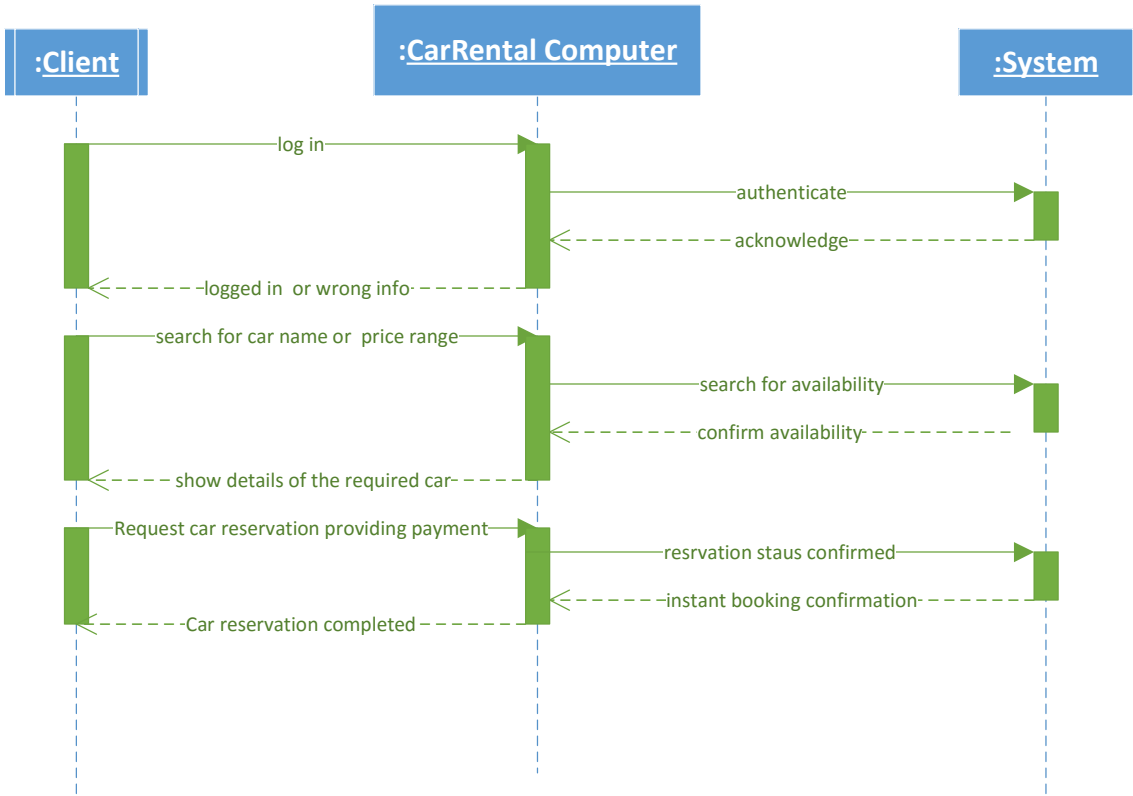
## Activity Diagram for Car Rental System



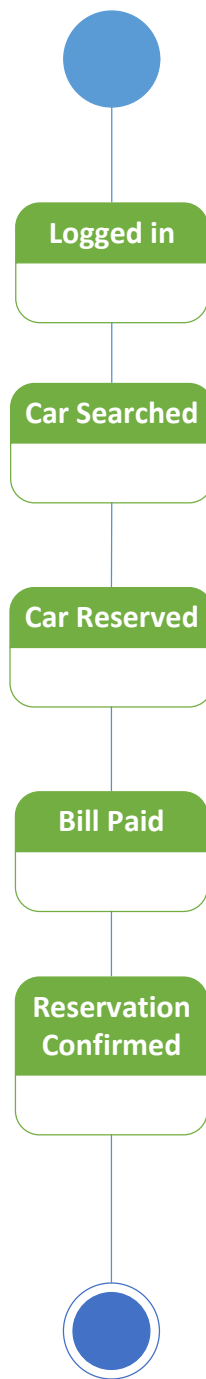
# Collaboration Diagram for car Rental by Client



Sequence Diagram for Reserving Car as per the request by the client



## State Chart for Car Rental System



## CRC Diagram for Car Rental System

| Clients                        |                                     |
|--------------------------------|-------------------------------------|
| Responsibilities               | Collaboration                       |
| login                          | Employee check<br>check client info |
| search for car<br>reserved car | Cashier receive bill                |

| Employee                    |                   |
|-----------------------------|-------------------|
| Responsibilities            | Collaboration     |
| Provide Customer<br>Service | Client<br>Manager |

| Cashier                                     |                 |
|---|-----------------|
| Responsibilities                            | Collaboration   |
| Prepares the Bill<br>Receives the<br>amount | Client Pay bill |

| Manager   |                    |
|---|--------------------|
| Responsibilities  | Collaboration      |
| view monthly<br>rental report<br>Monitors the whole<br>System | Employee<br>System |

| System                           |               |
|----------------------------------|---------------|
| Responsibilities                 | Collaboration |
| Provides rate<br>Confirm booking | Manager       |