

# CAR RENTAL SYSTEM

## (Medium sized case study)



# Case Study: Car Rental System

- The advancement in Information Technology and widely usage of Internet has greatly enhanced the business process and communication between companies and their customers. A car Rental system is one of the business which is becoming popular and not left out with effect of technology enhancement. A Car Rental Company specializing in renting cars to customers need to switch over an online system through which customers can view available cars, register, view profile and book car.
- The Customer and Staff would be the main user of the system. However Admin would be able to control the system while adding or removing staff along with report generation.

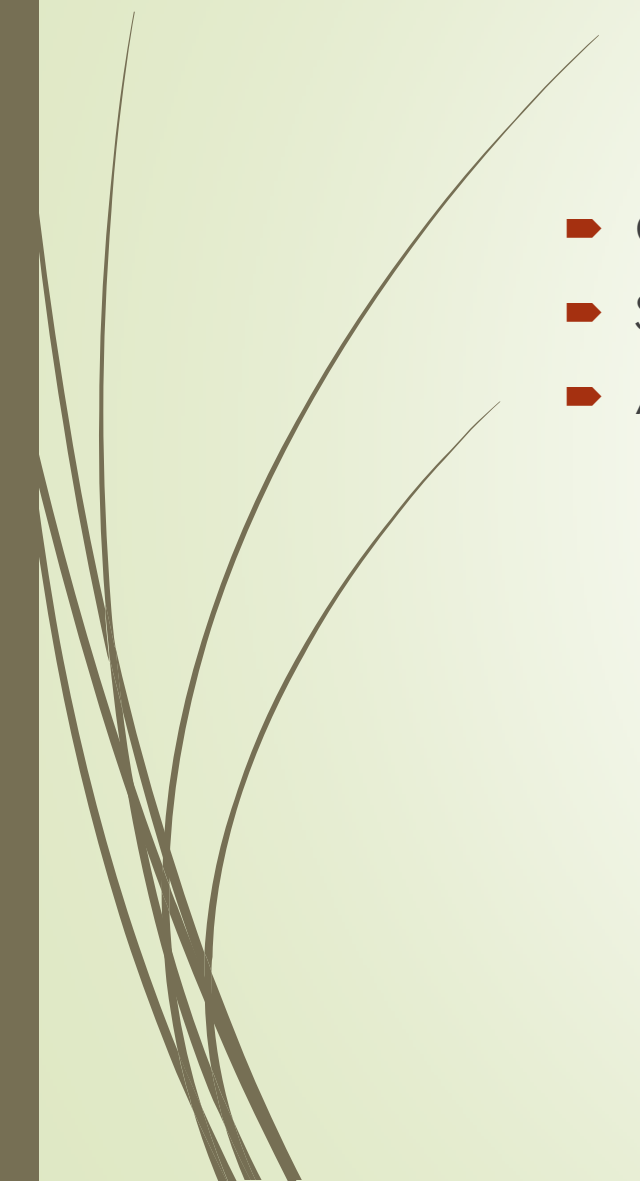
# Case Study: Car Rental System

- The customer can make reservation of car or return a car. Also after ride Customer would be allowed to fill feedback. In order to reserve a car from available variety a Customer need to login first and if he is a new user than needs to register first after which confirmation mail will be received. System will issue the car after receiving request and send the confirmation.
- Customer need to provide the location, time and date of pick up after selecting the type of car. He can cancel/return a car which would cause penalty.
- In this system Staff would be responsible to process car rental after receiving request from customer, also add or update car details will also be done by Staff only, One another task for which staff will be responsible is reply to customers feedback.
- Every rental must be identifiable by a unique booking number. Every rental is defined as renting one car per booking and every booking can only have one customer. Payment can be made online using card.



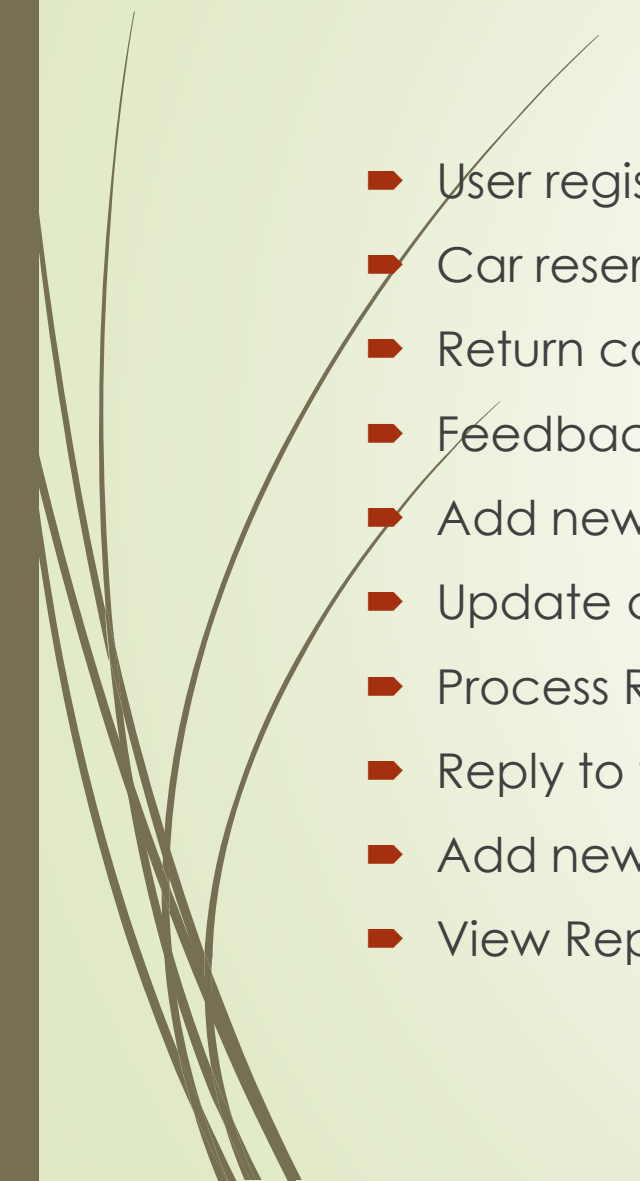


# Key Actors

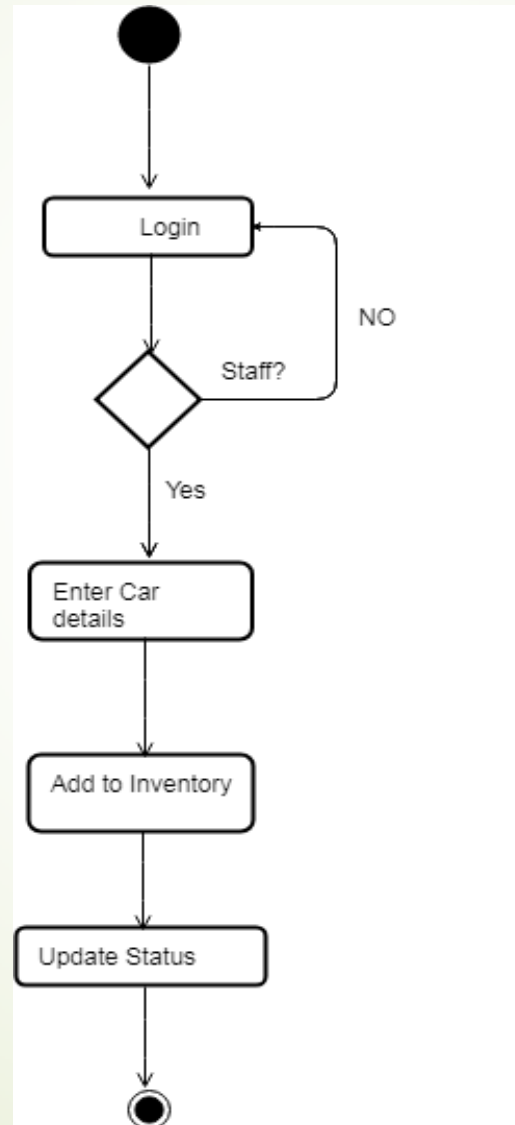
- Customer(Primary Actor)
  - Staff(Primary Actor)
  - Admin
- 



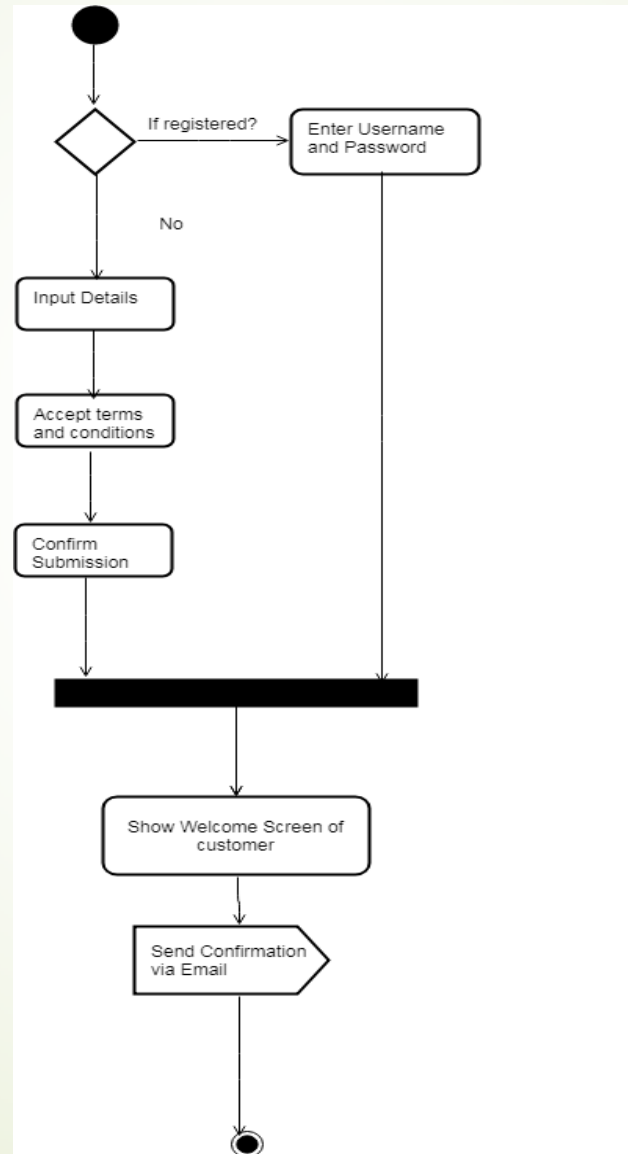
# Use Cases

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- User registration
  - Car reservation
  - Return car
  - Feedback
  - Add new car
  - Update car details
  - Process Rental
  - Reply to feedback
  - Add new Staff
  - View Report

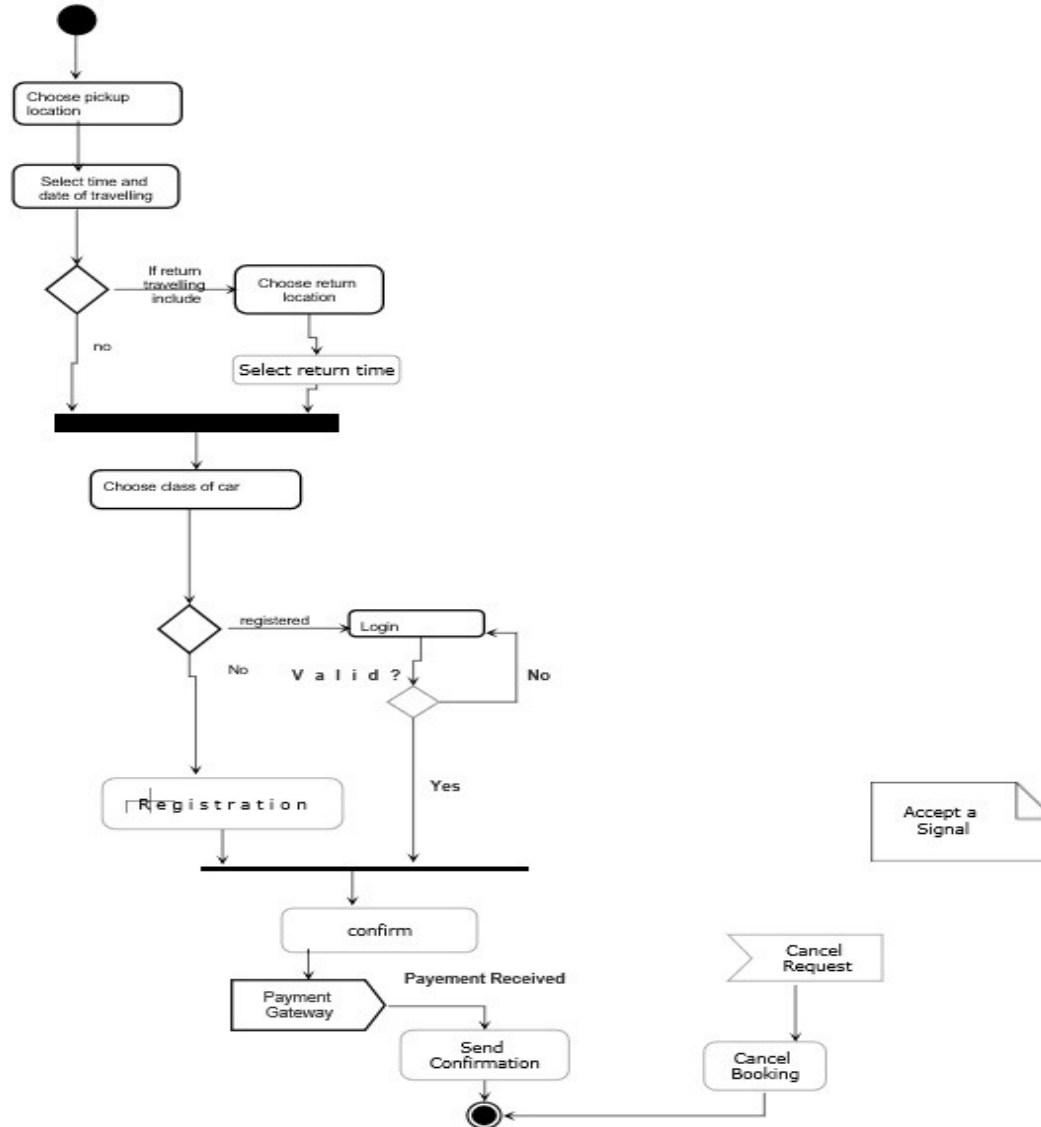
# Activity Diagram: Add New Car



# Activity Diagram: User Registration

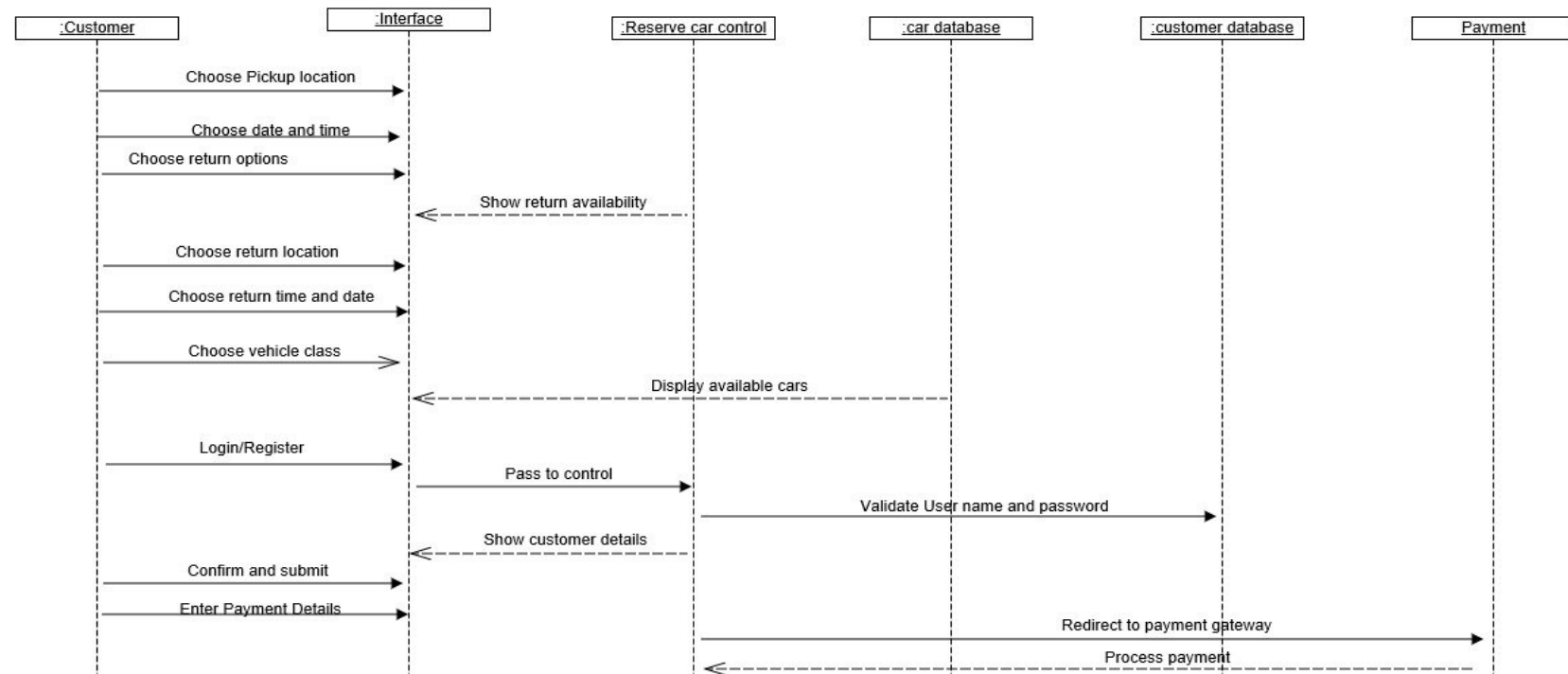


# Activity Diagram: Car Reservation

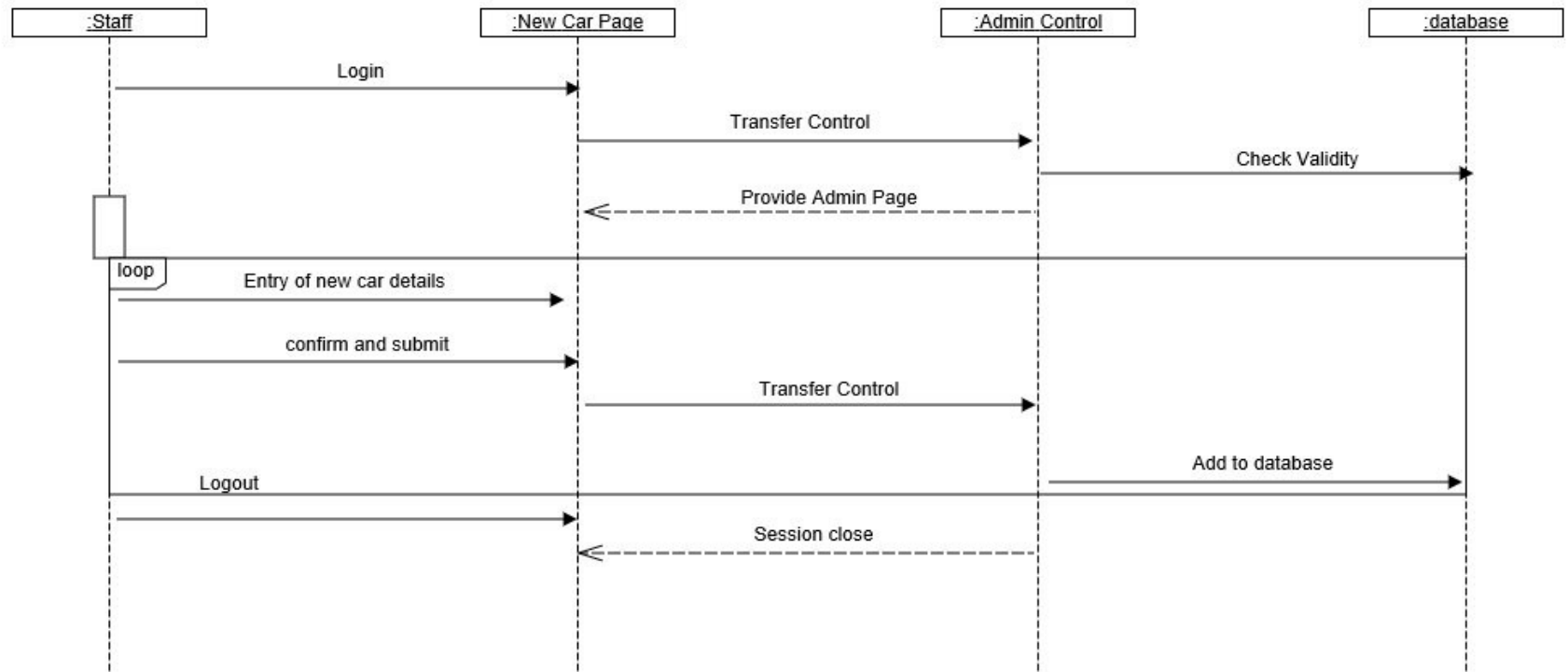




# Sequence Diagram: Car Reservation



# Sequence Diagram : Add New Car





Thank You