-> System Requirements

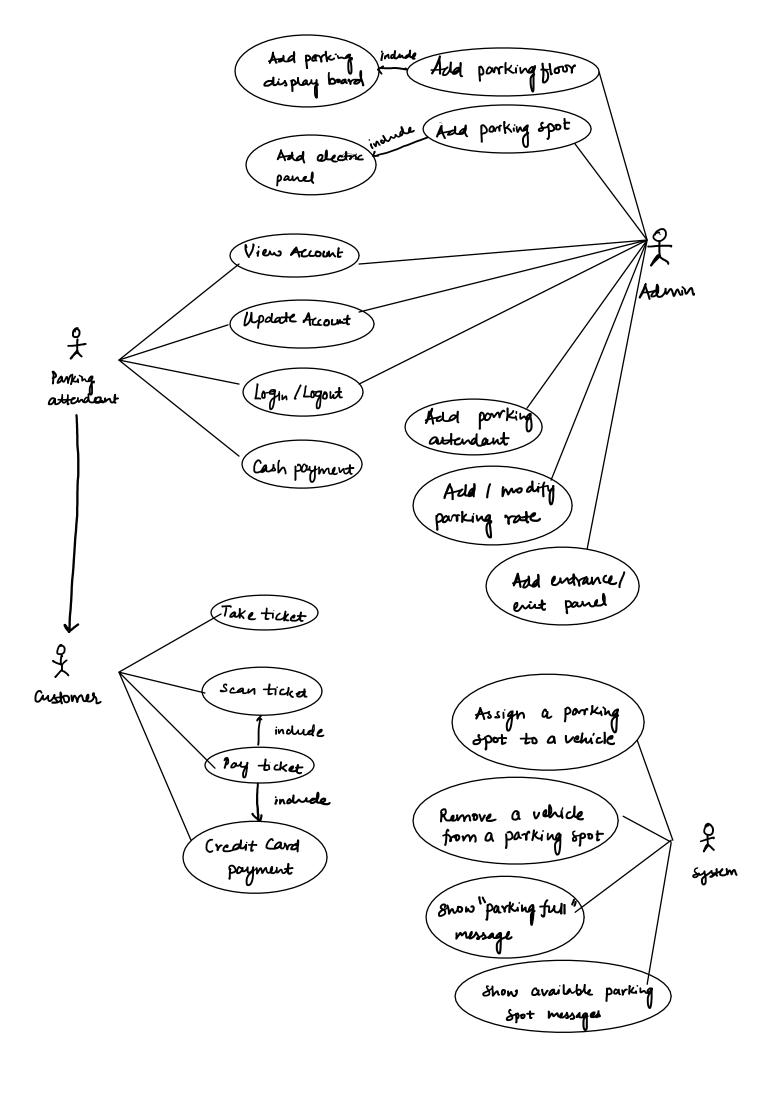
- The parking lot must have multiple floor.
- It has multiple entries and exits.
- The customer collects parking ticket @ entry & pays the fee @ exit.
- The fee can be payed @ cutomated enit panel or the parking attendant
- The payment can be done via cash or credit.
- Payment can also be done @ Info portol, which is on each bloor. It done, payment need not be done at evit.
- The system should not allow cars more than the capacity of the parking lot. On reaching the limit the System should show this message @ enterance.
- Each floor has multiple parking spots. The system should Support muttiple types eq -> compact -> Large -> Handicapped -> 2 where etc.,
- The parking lot has cortain spots for electrical vehicles. Customer can pay and charge their vehicles as well.
- System supports parking of different types of Vehicles.
 eg, Car, Truck, van, etc.
- Each floor must have display which shows available parking spots.
- The system supports a per hour parking fee model.
 eq. 4\$ hr 1 3.5\$ for 2nd hr 2.5\$ for ronaining.

Case Diagram

10 June 2021 11:21

The main actors in the system

- -> Admin: Responsible for adding / modifying homoving
 - → Parking funor → Endrance → Parking attendants
 → Parking spots → Exit etc.
- -> customer: -- > Recieve parking ticket
 - → Pay fee
 - -> Parking attendent:-
 - -> Can do all the adjusties on customers behalf and take Cash for ticket payment.
 - → System:-
 - -> To display messages on different into panels, as well as assigning and removing a vehicle from a parking spot.
- → Top Uses
 - > Add / Remove / Edit parking floor
 - > Add / Remove parking spot
 - -> Add / Remove a parking attendant
 - > Take ticket
 - -> scan ticket
 - Credit Card payment
 - -> Cush payment
 - > Add / modify parking rate.



10 June 2021 12:39 paying for parking ticket. Customer inserts parking ticket in panel System scan parking ticket & ferenes ticketh details Ticket Yes System calculates the parking fee. System shows the fee on display panel and asks for credit card details. Customer Insorts Carde Yes System reads the card details be processes the payment. No System Shows -Poyment Jucceryal the error Yes System shows Jucces menage Yes system prints the reciept Reciept 140 System sends the > signal to open the parking