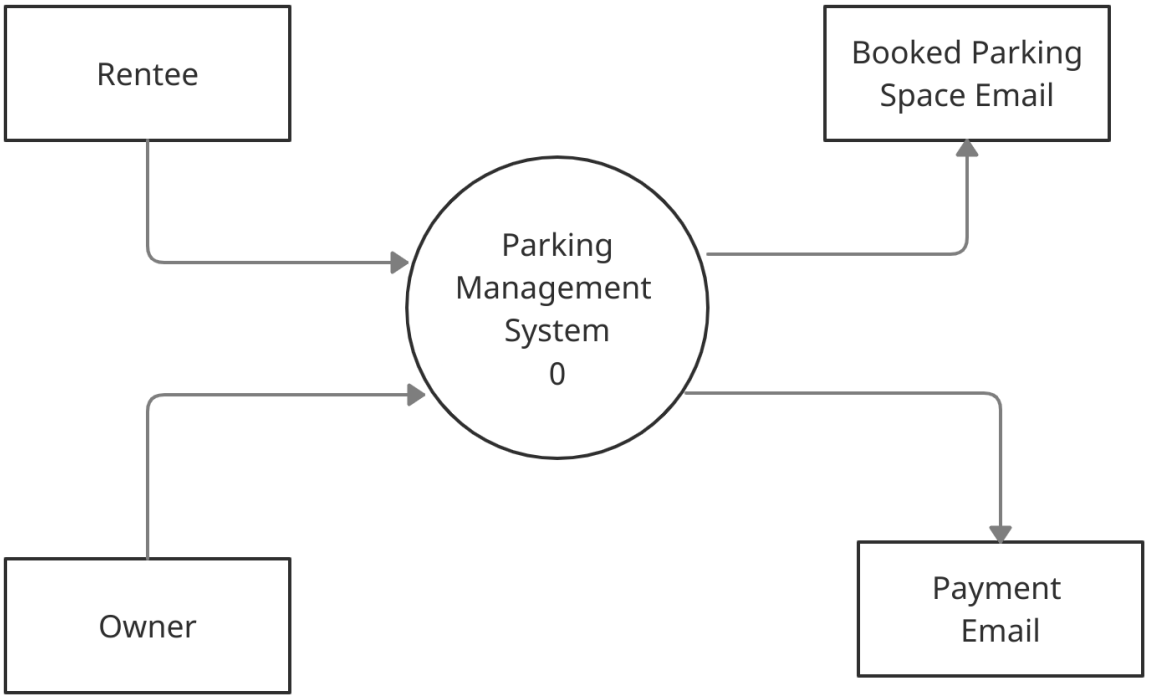
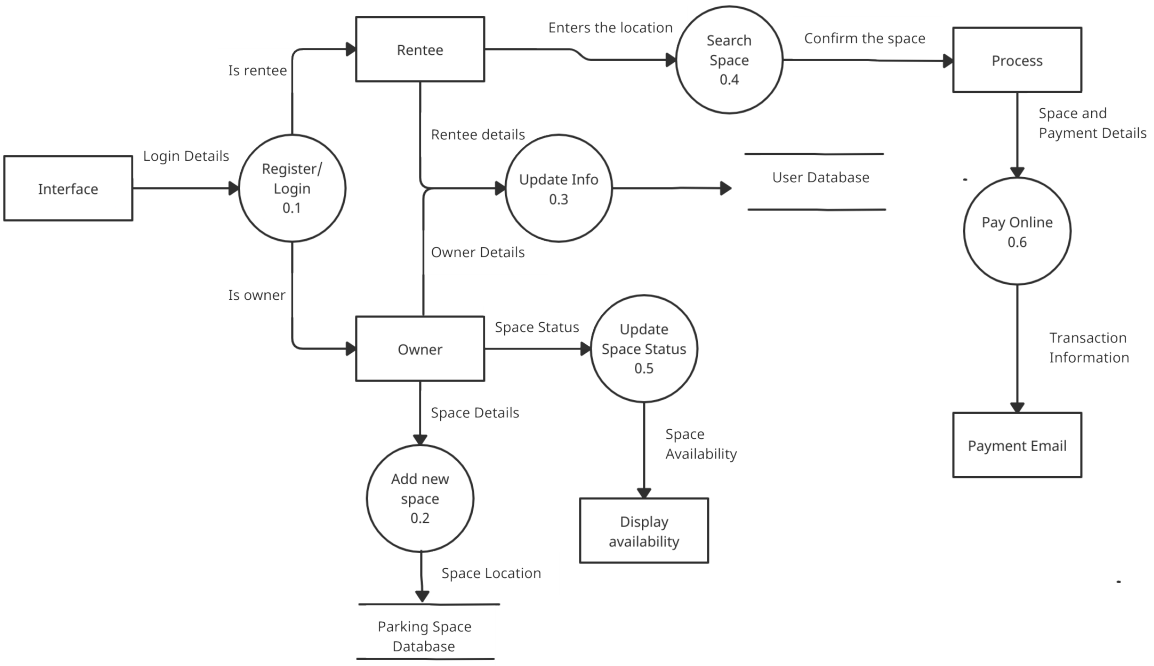
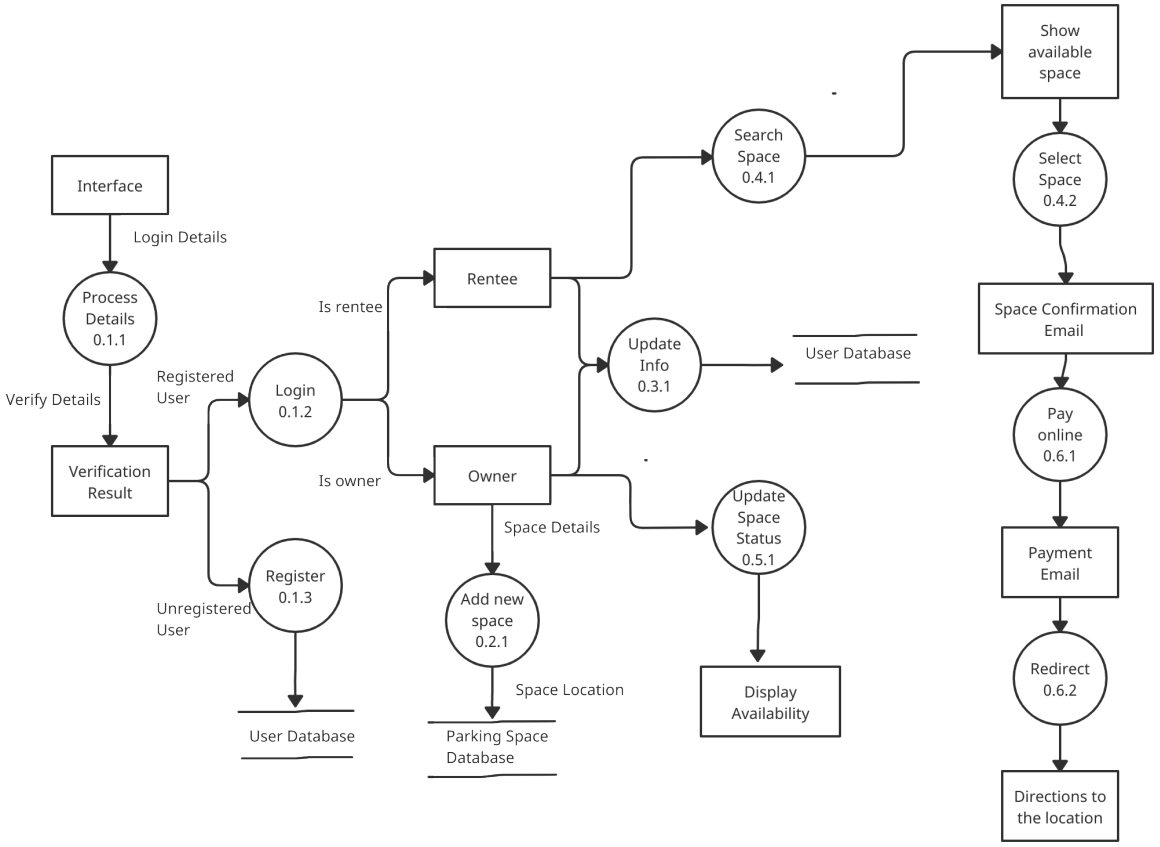
Context Level DFD (Level 0)



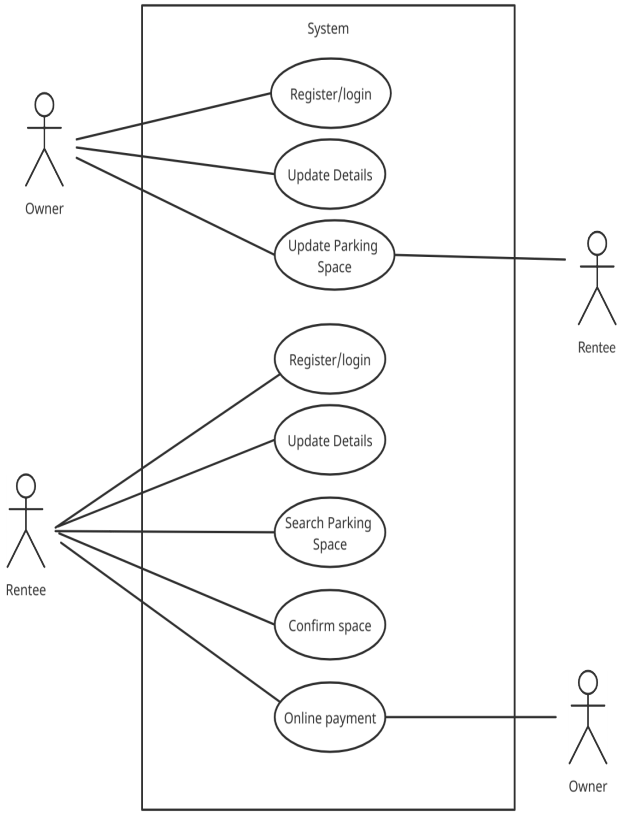
Level 1 DFD


Rentee
Enters the location
Search Space 0.4
Confirm the space
Process
Is rentee
Space and Payment Details
Rentee details
Login Details
Interface
Register/ Login 0.1
Update Info 0.3
User Database
Pay Online 0.6
Owner Details
Is owner
Owner
Space Status
Update Space Status 0.5
Transaction Information
Space Details
Payment Email
Space Availability
Add new space 0.2
Display availability
Space Location
Parking Space Database

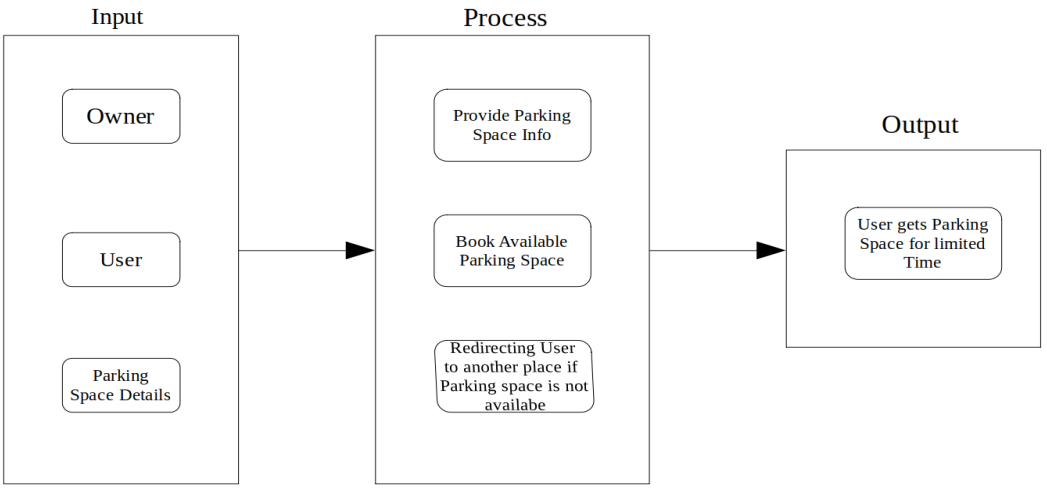
Level 2 DFD


Interface
Login Details
Process Details 0.1.1
Verify Details
Verification Result
Registered User
Login 0.1.2
Unregistered User
Register 0.1.3
User Database
Is rentee
Is owner
Rentee
Owner
Space Details
Add new space 0.2.1
Space Location
Parking Space Database
Search Space 0.4.1
Update Info 0.3.1
User Database
Update Space Status 0.5.1
Display Availability
Show available space
Select Space 0.4.2
Space Confirmation Email
Pay online 0.6.1
Payment Email
Redirect 0.6.2
Directions to the location

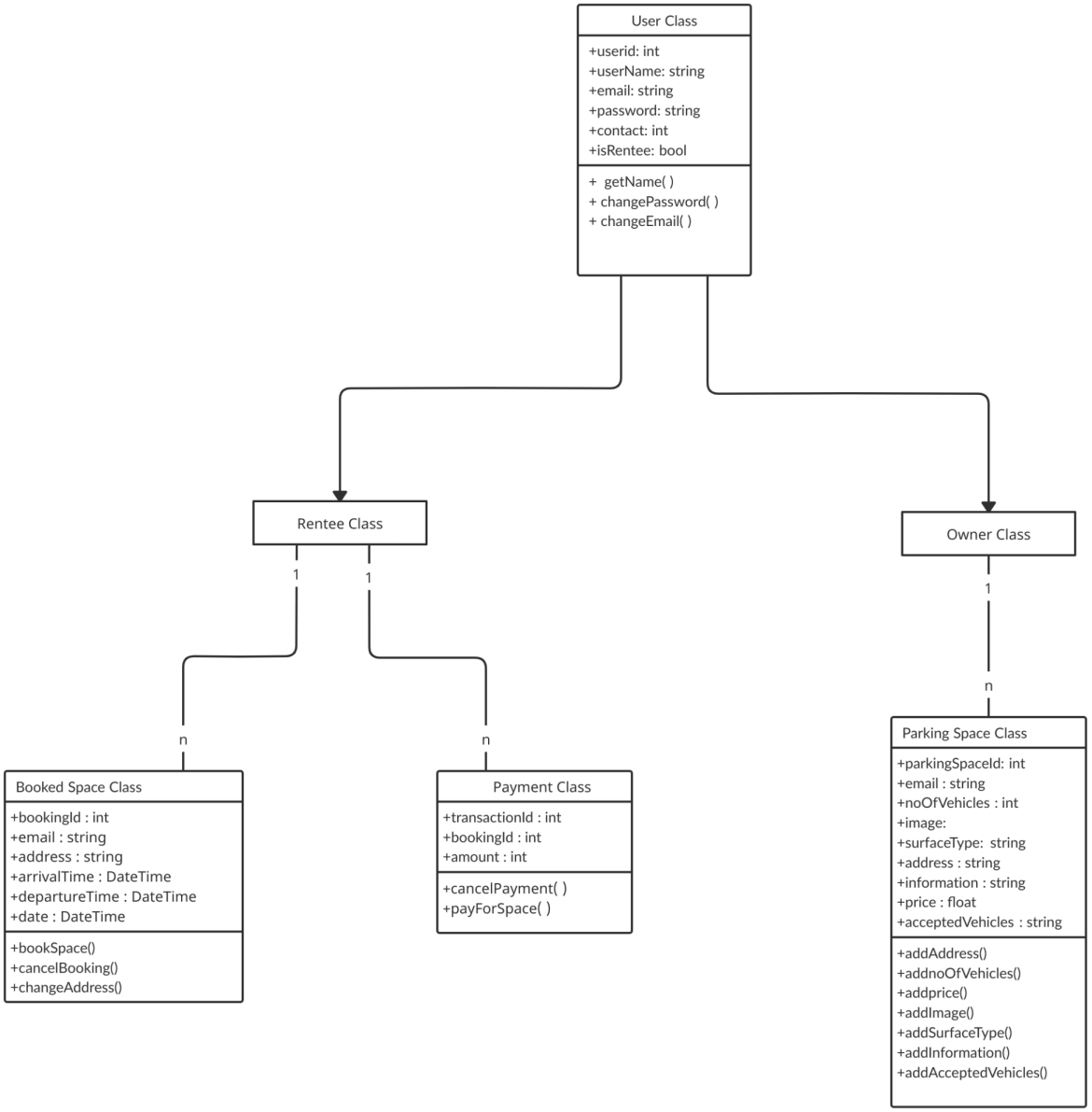
Use Case Diagram



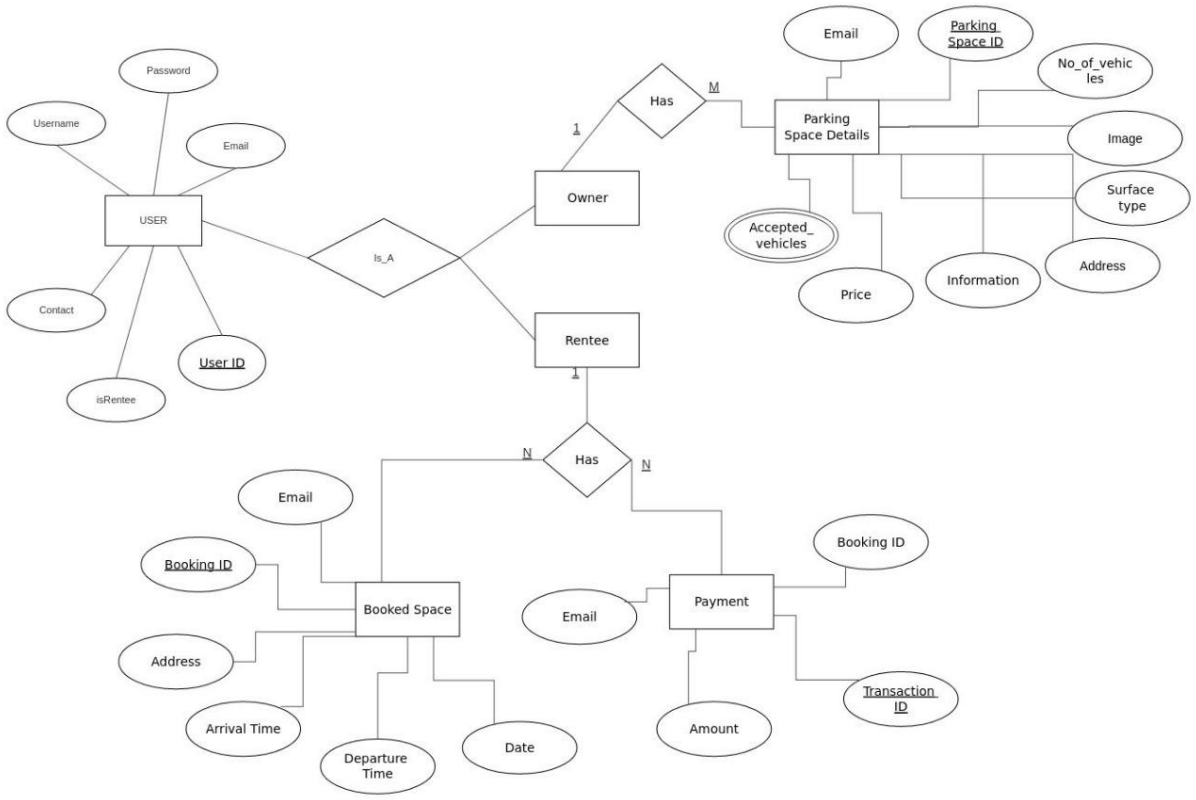
Architecture Diagram



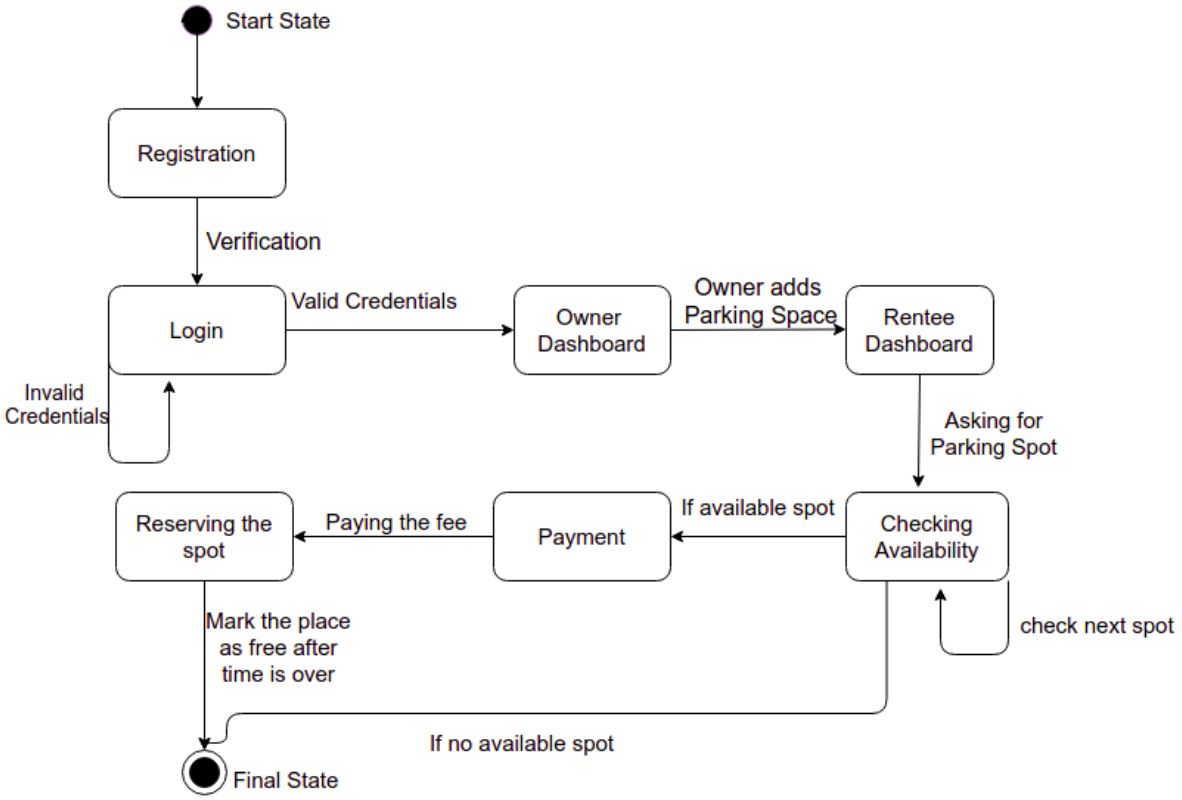
Class Diagram



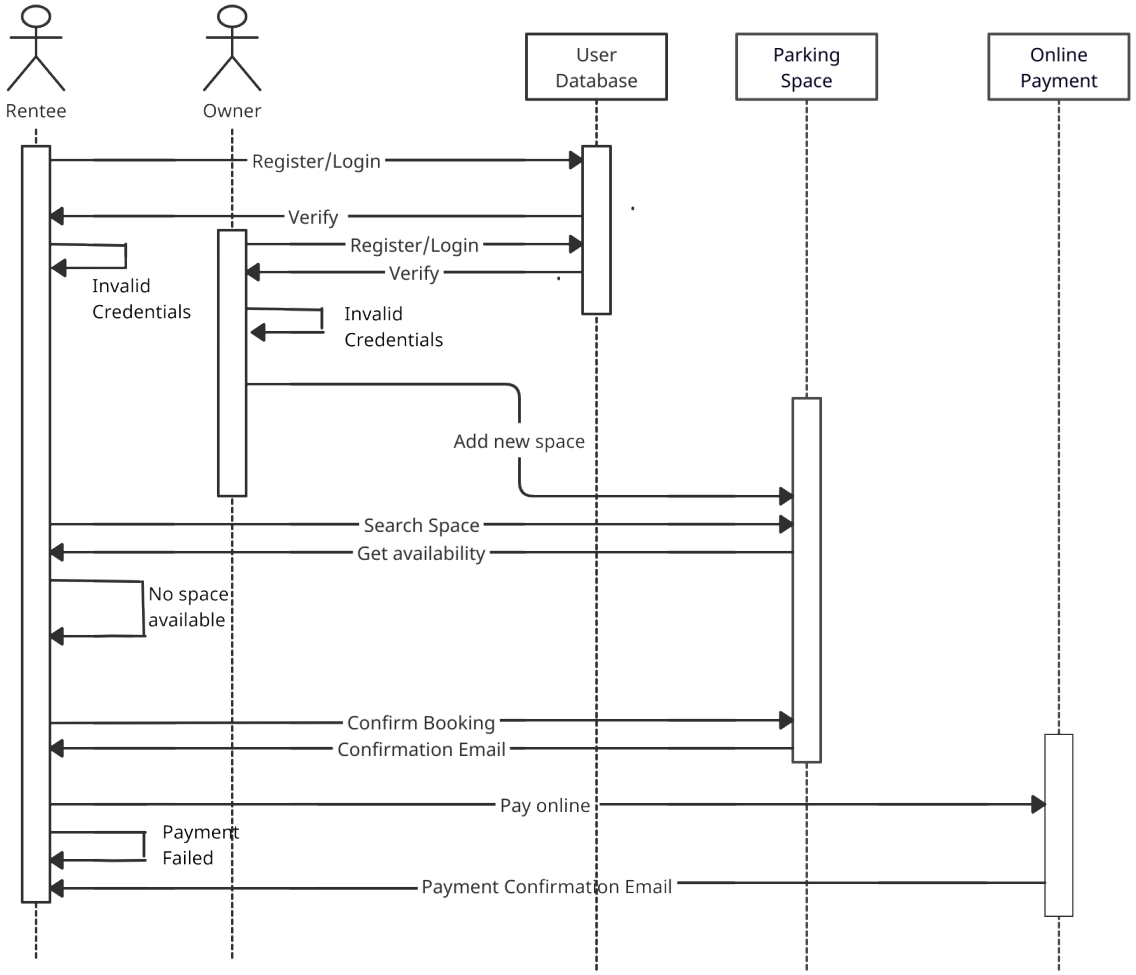
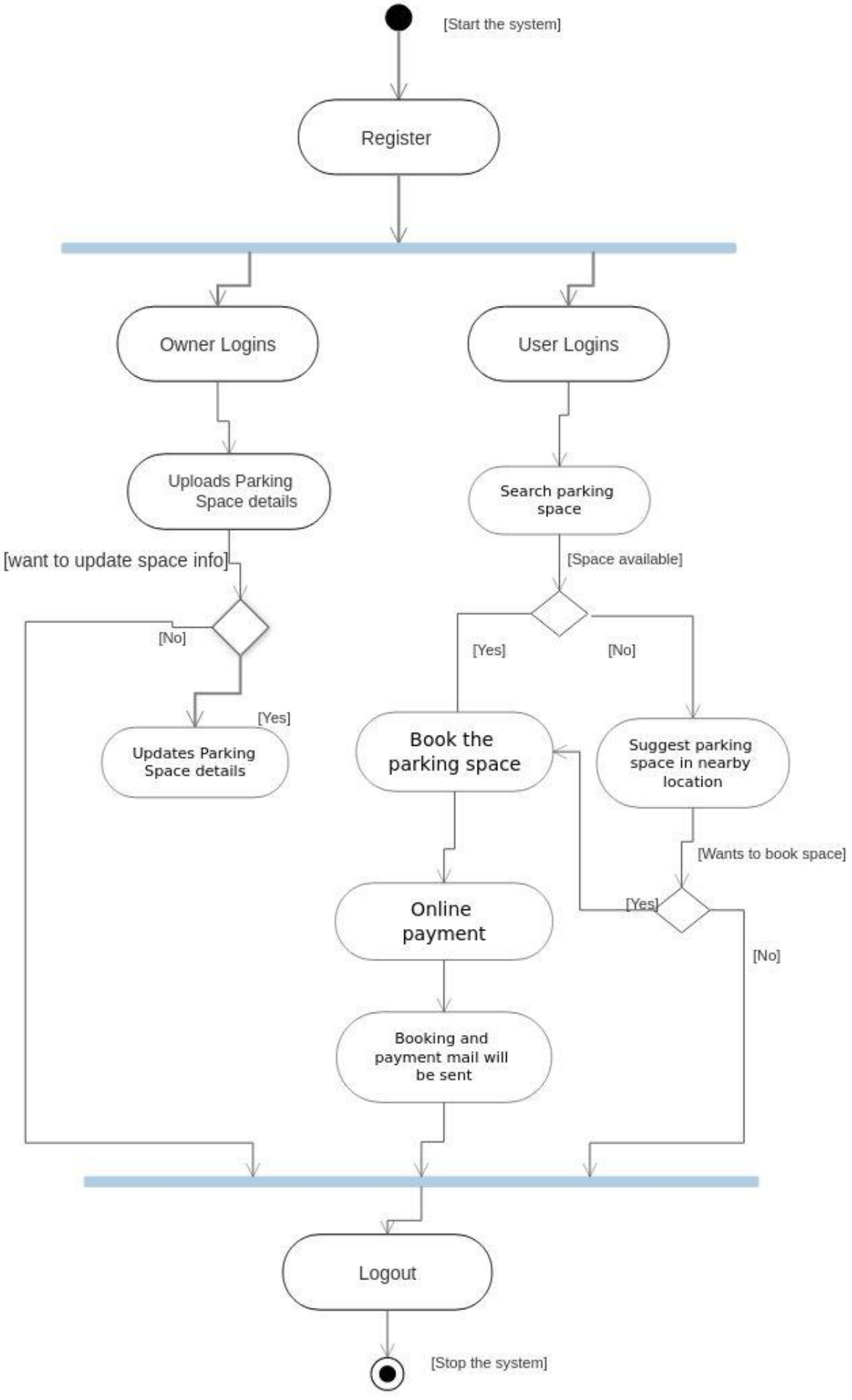
ER Diagram


Password
Username
Email
USER
Contact
User ID
isRentee
Is_A
Owner
Rentee
Has
M
1
Email
Parking Space ID
No_of_vehicles
Parking Space Details
Image
Surface type
Address
Information
Price
Accepted_ vehicles
1
N
Has
N
Email
Booking ID
Booked Space
Address
Arrival Time
Departure Time
Date
Email
Payment
Booking ID
Transaction ID
Amount

State Diagram in UML



Sequence Diagram



Activity Diagram