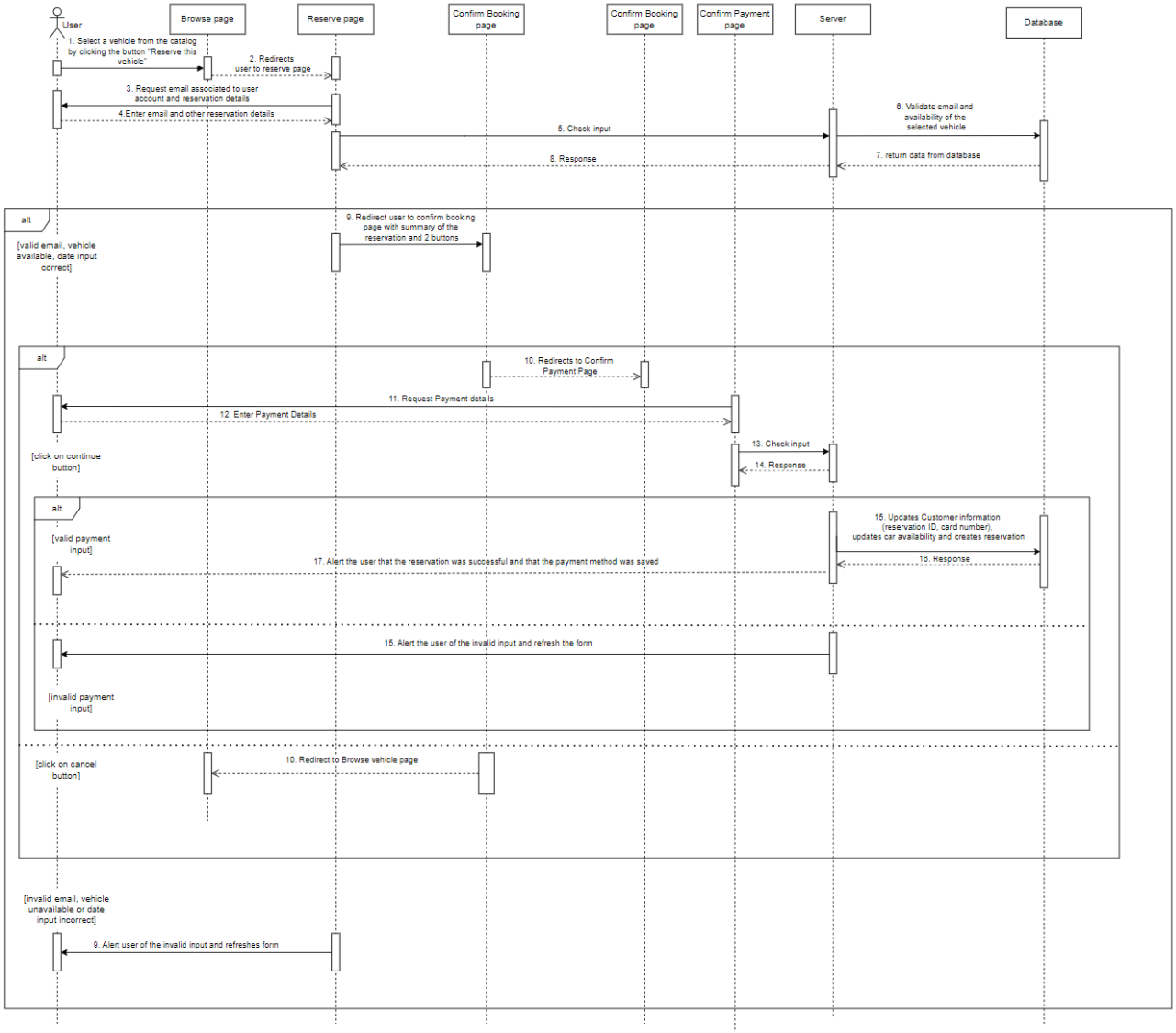
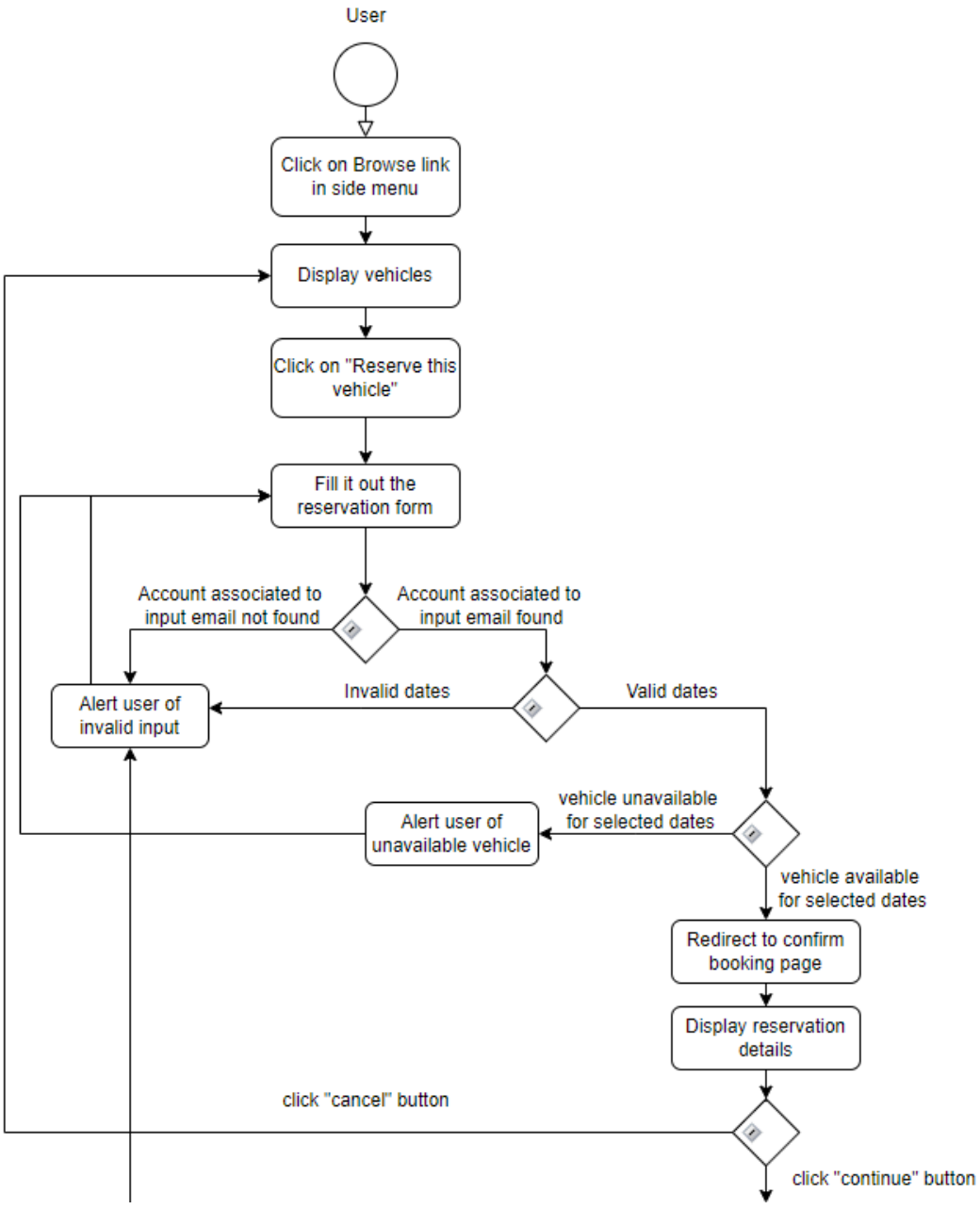
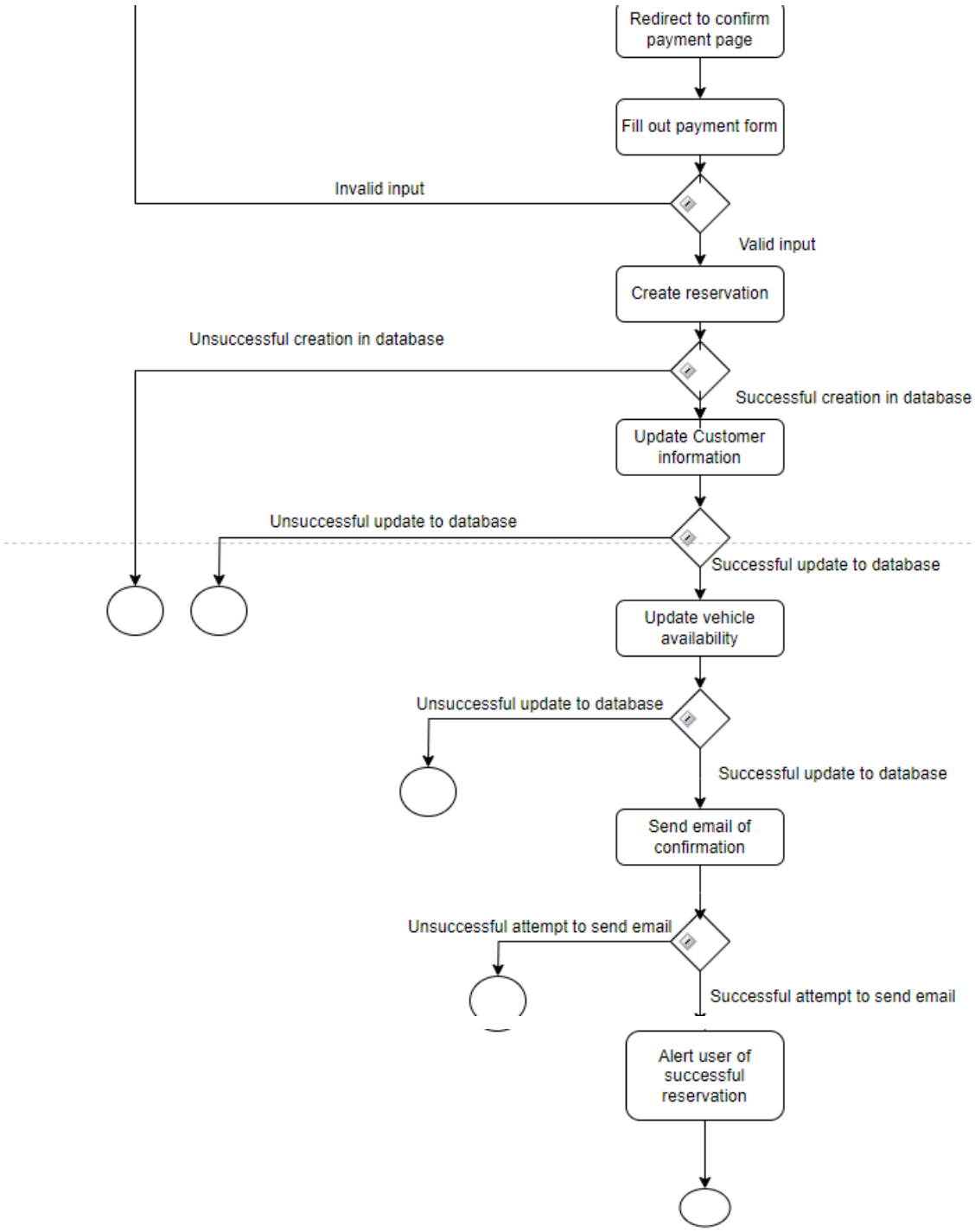
UML Diagrams

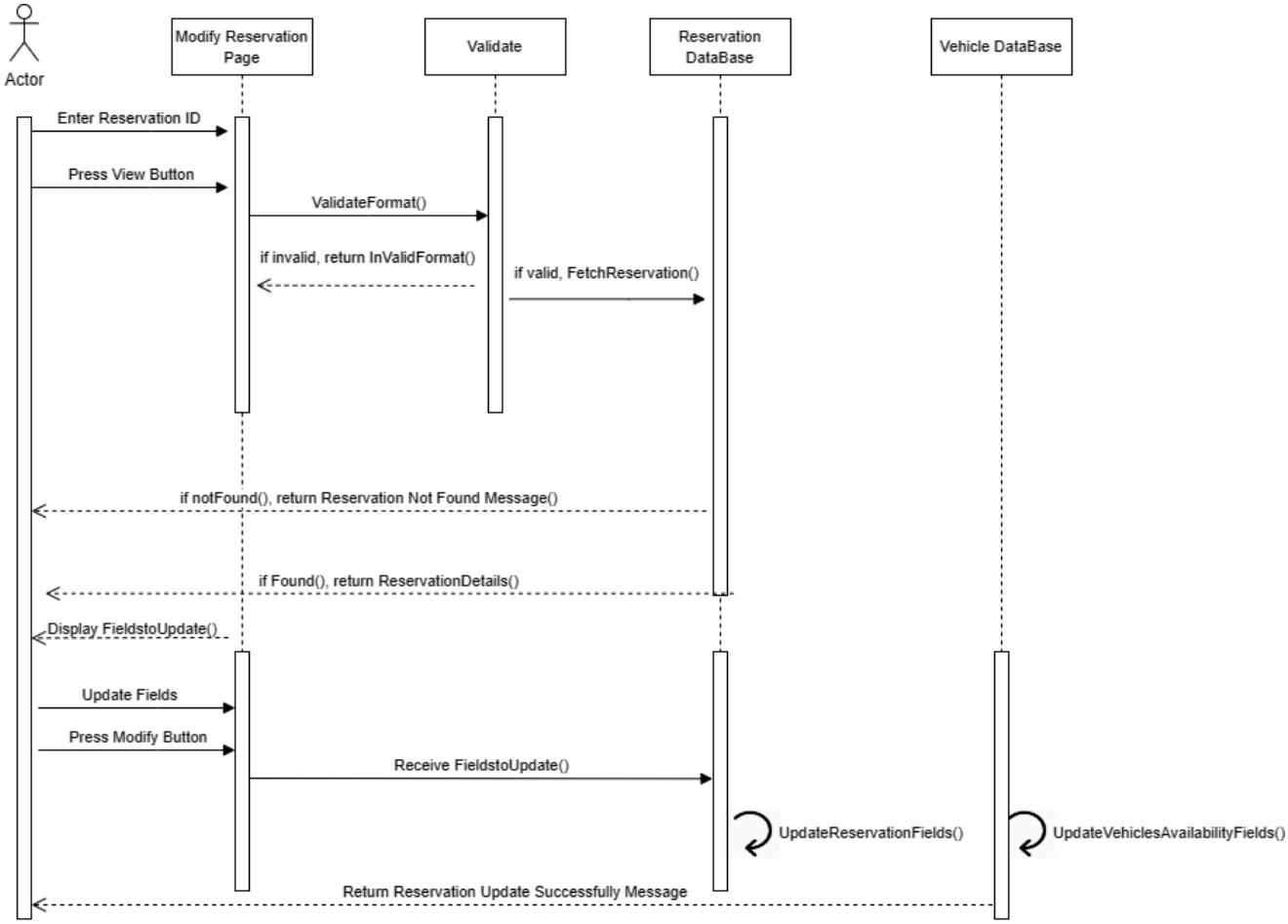
US 1

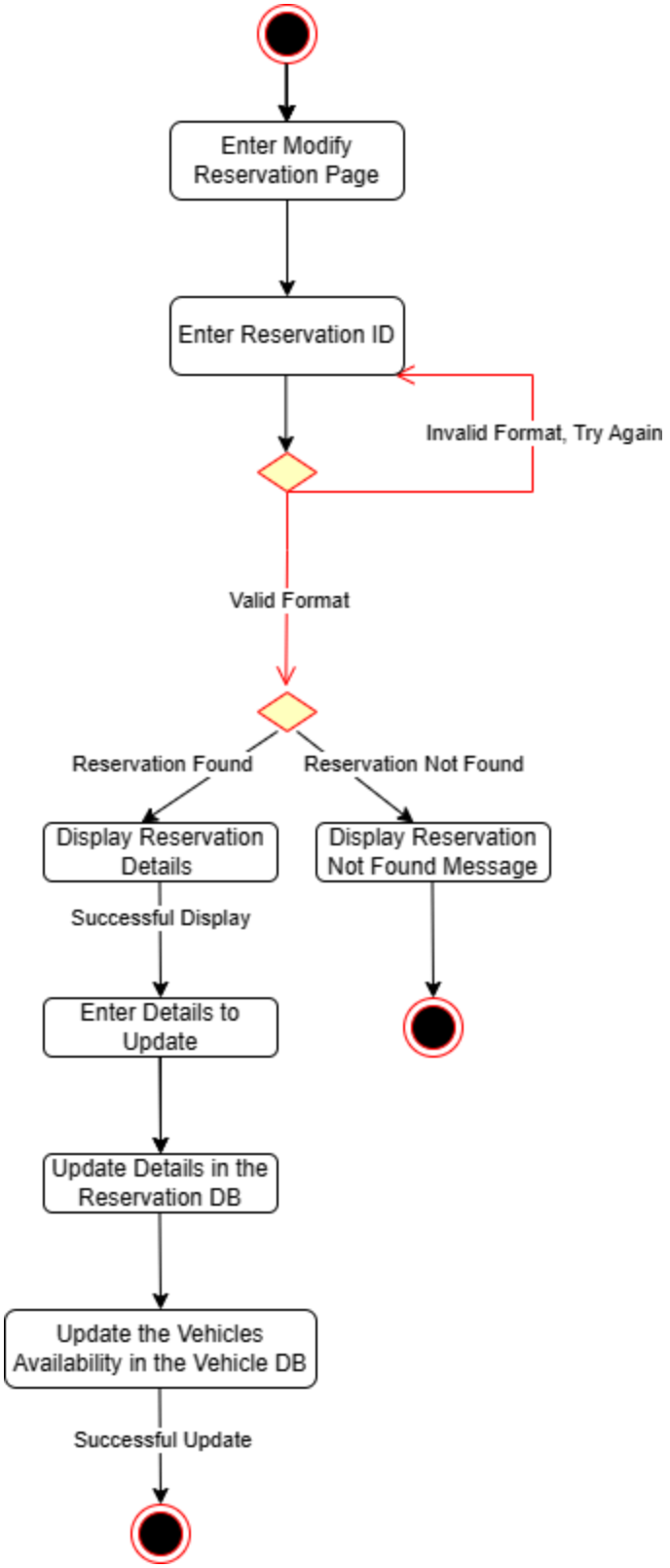



User
Click on Browse link in side menu
Display vehicles
Click on "Reserve this vehicle"
Fill it out the reservation form
Account associated to input email not found
Account associated to input email found
Alert user of invalid input
Invalid dates
Valid dates
Alert user of unavailable vehicle
vehicle unavailable for selected dates
vehicle available for selected dates
Redirect to confirm booking page
Display reservation details
click "cancel" button
click "continue" button

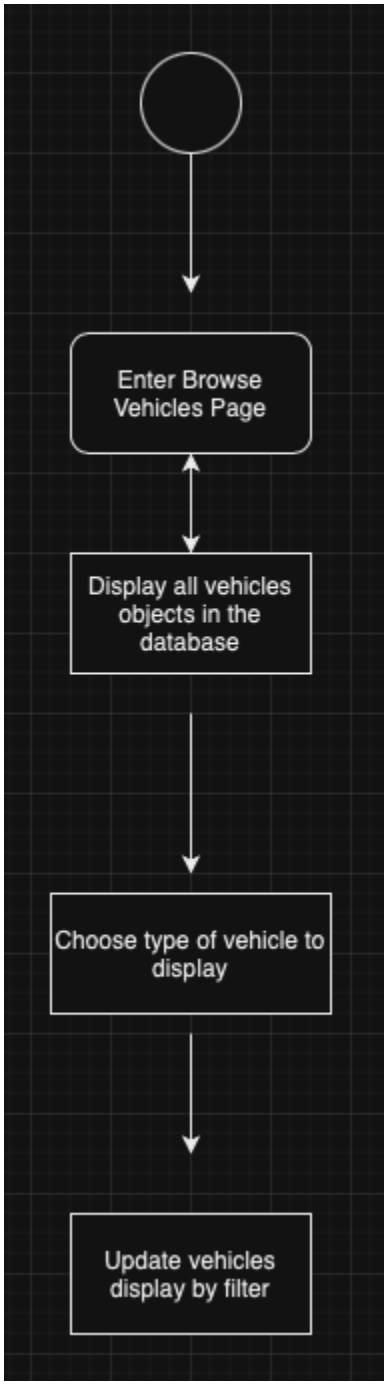


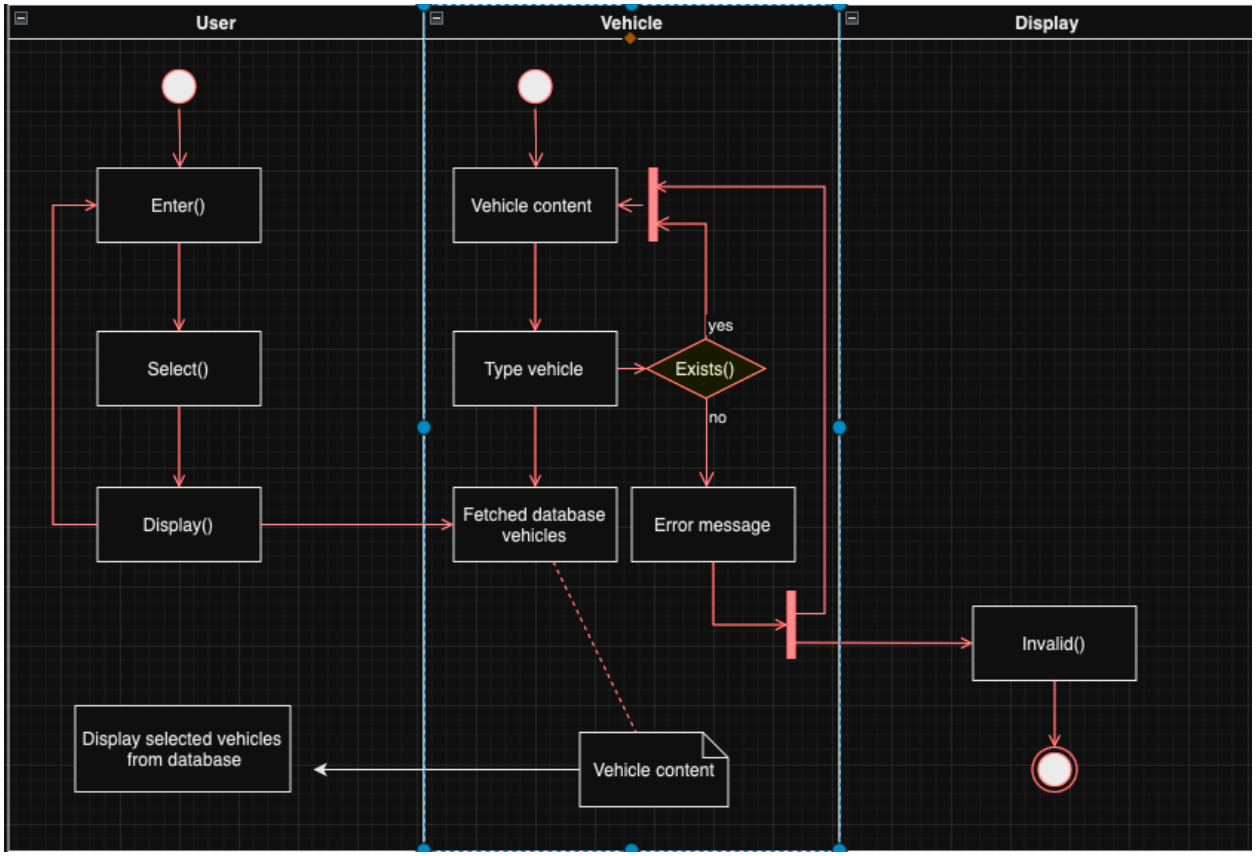
US 2: User can modify their reservation


Actor
Modify Reservation Page
Validate
Reservation DataBase
Vehicle DataBase
Enter Reservation ID
Press View Button
ValidateFormat()
if invalid, return InValidFormat()
if valid, FetchReservation()
if notFound(), return Reservation Not Found Message()
if Found(), return ReservationDetails()
Display FieldstoUpdate()
Update Fields
Press Modify Button
Receive FieldstoUpdate()
UpdateReservationFields()
UpdateVehiclesAvailabilityFields()
Return Reservation Update Successfully Message

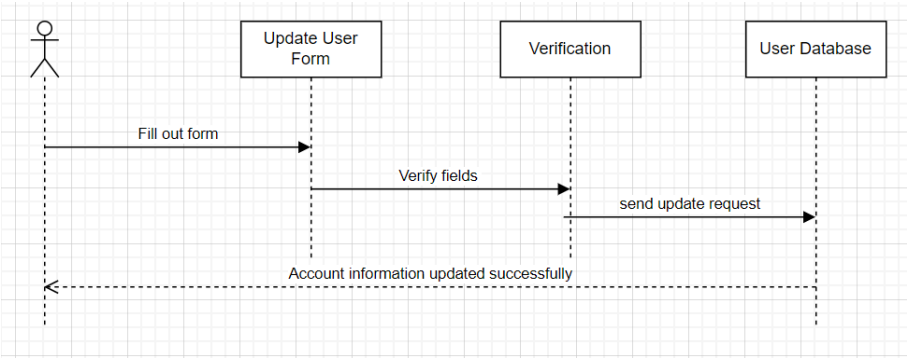

Enter Modify Reservation Page
Enter Reservation ID
Invalid Format, Try Again
Valid Format
Reservation Found
Reservation Not Found
Display Reservation Details
Display Reservation Not Found Message
Successful Display
Enter Details to Update
Update Details in the Reservation DB
Update the Vehicles Availability in the Vehicle DB
Successful Update

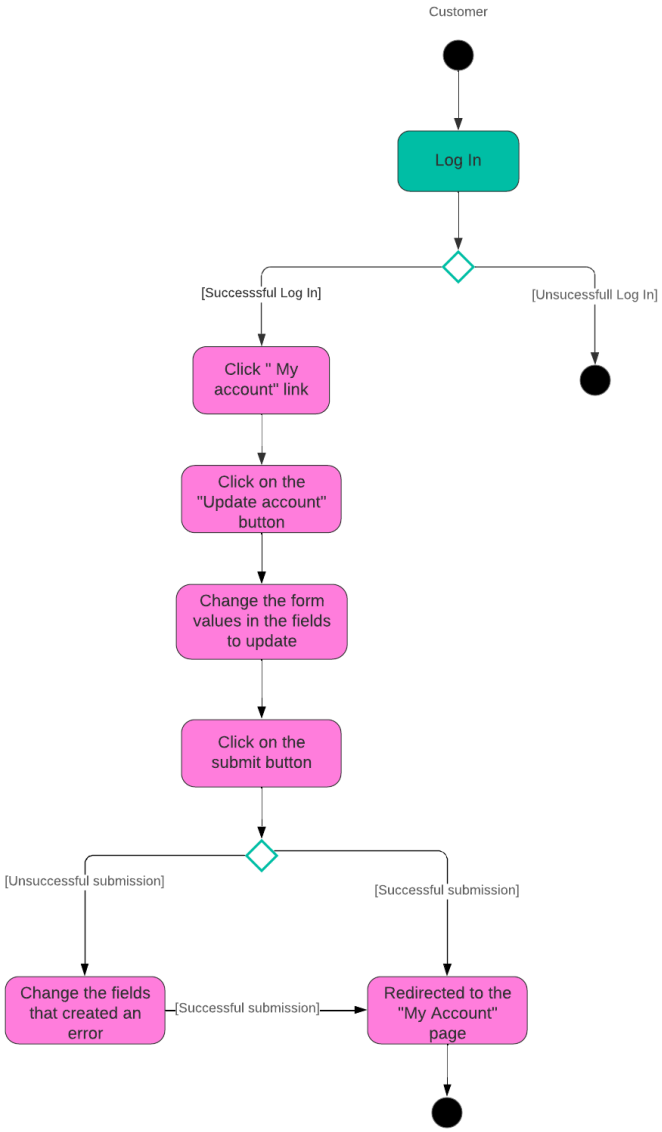
US 3 User can browse vehicles



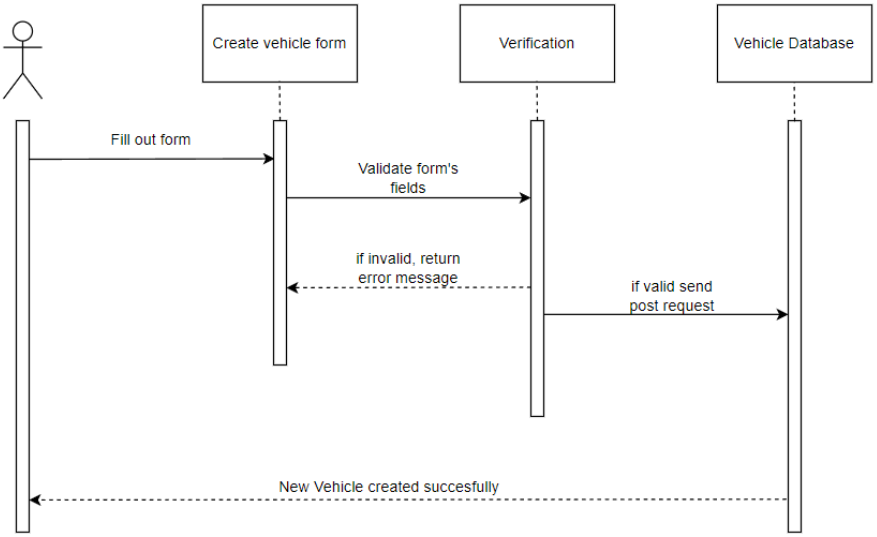


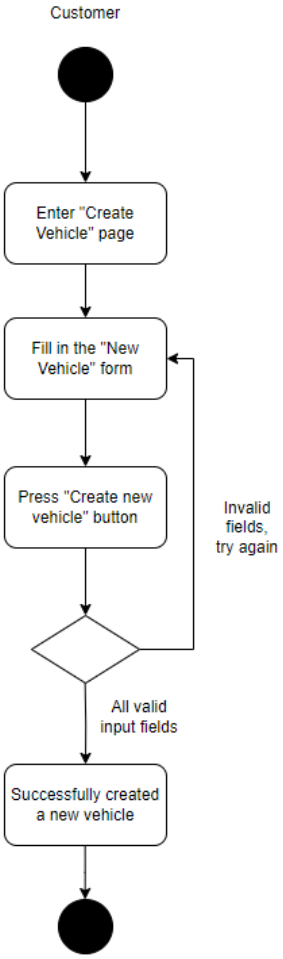
US 4 User can update their account


Update User Form
Verification
User Database
Fill out form
Verify fields
send update request
Account information updated successfully

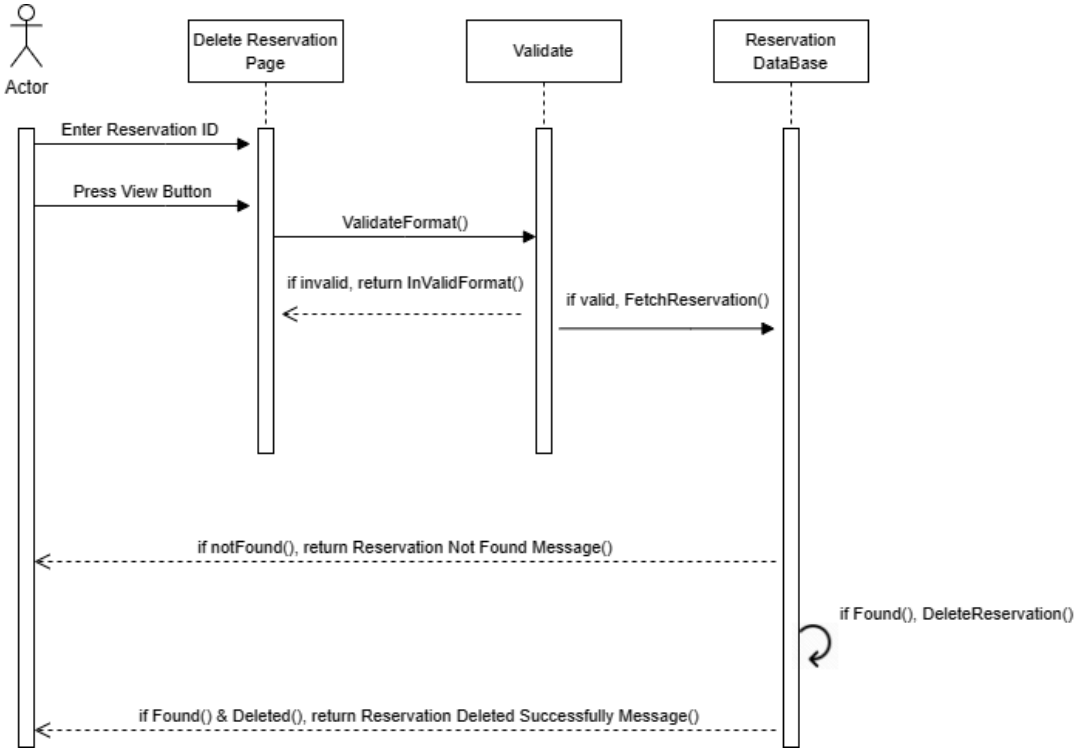

Customer
Log In
[Successful Log In]
[Unsuccessfull Log In]
Click " My account" link
Click on the "Update account" button
Change the form values in the fields to update
Click on the submit button
[Unsuccessful submission]
[Successful submission]
Change the fields that created an error
[Successful submission]
Redirected to the "My Account" page

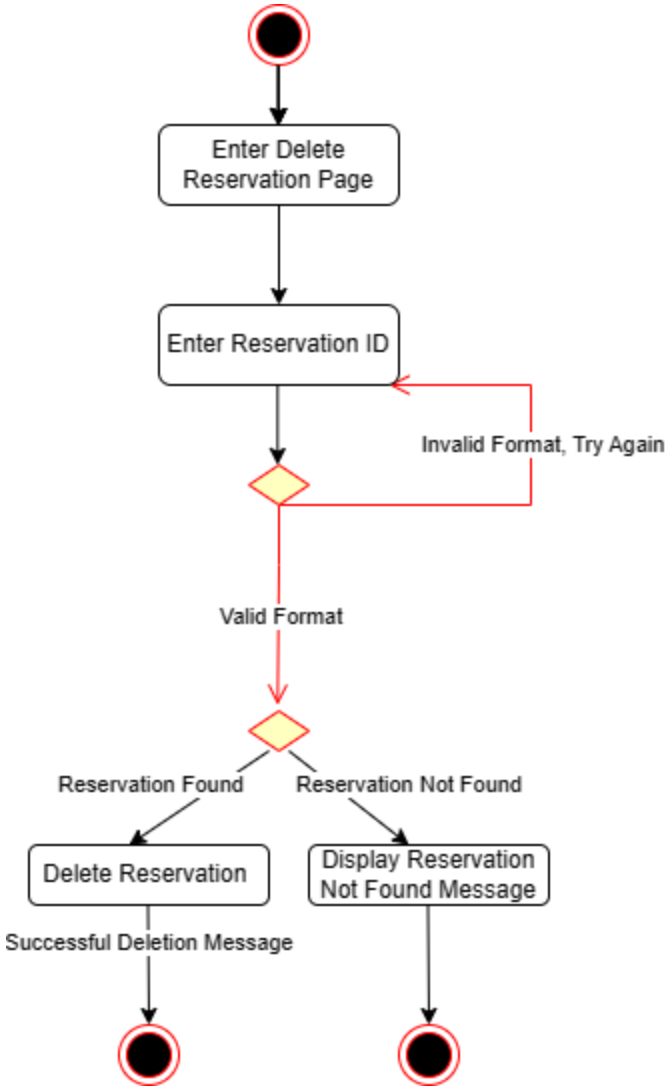
US 5 User can create a new vehicle



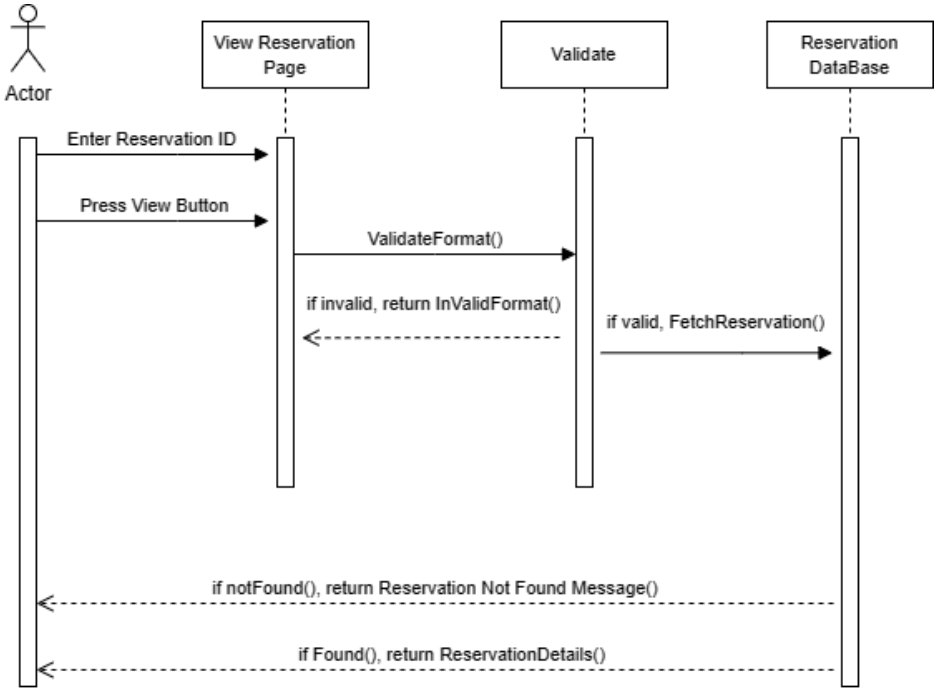


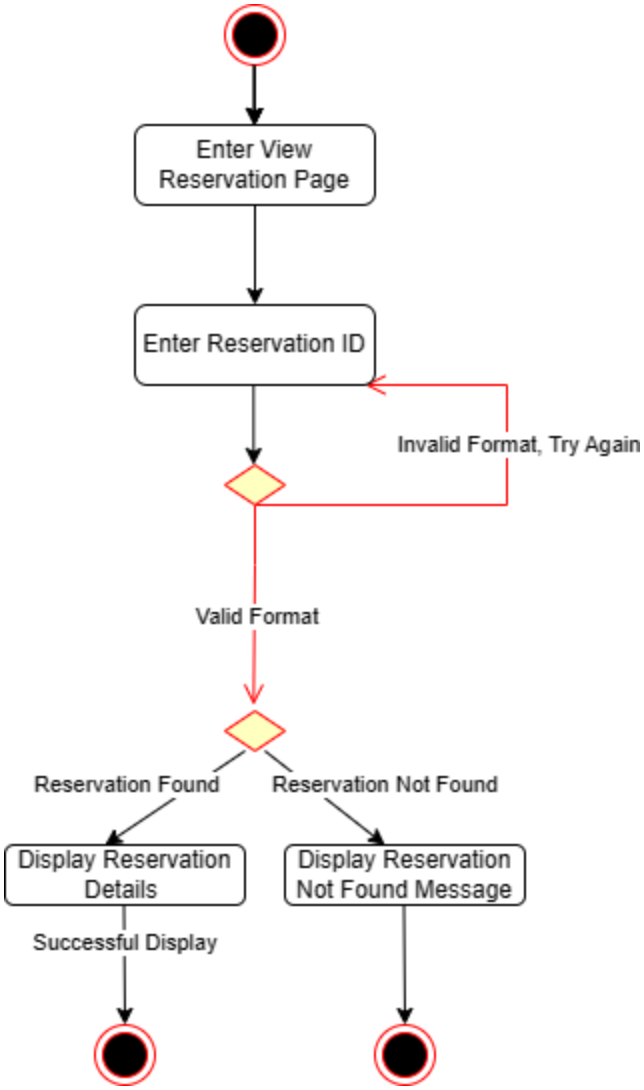
US 6 User can delete their reservation


Actor
Delete Reservation Page
Validate
Reservation DataBase
Enter Reservation ID
Press View Button
ValidateFormat()
if invalid, return InValidFormat()
if valid, FetchReservation()
if notFound(), return Reservation Not Found Message()
if Found(), DeleteReservation()
if Found() & Deleted(), return Reservation Deleted Successfully Message()

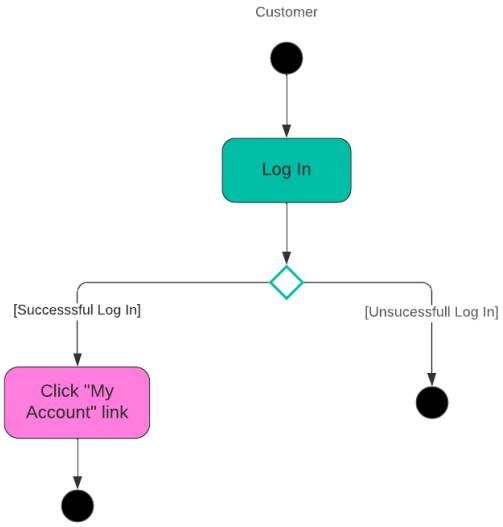


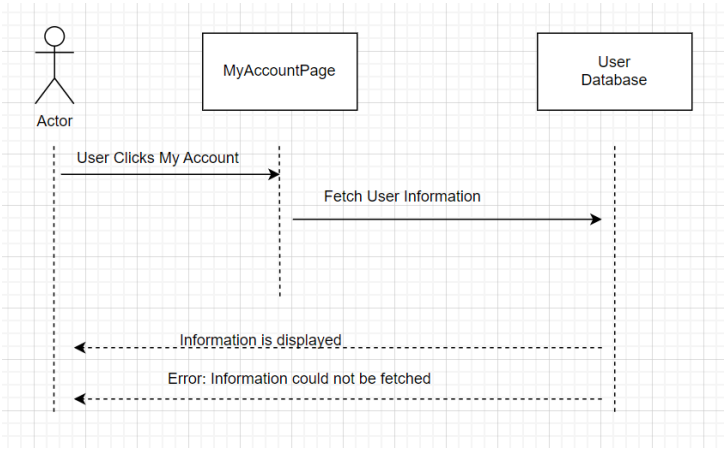
US 7 User can view their reservation


Actor
View Reservation Page
Validate
Reservation DataBase
Enter Reservation ID
Press View Button
ValidateFormat()
if invalid, return InValidFormat()
if valid, FetchReservation()
if notFound(), return Reservation Not Found Message()
if Found(), return ReservationDetails()

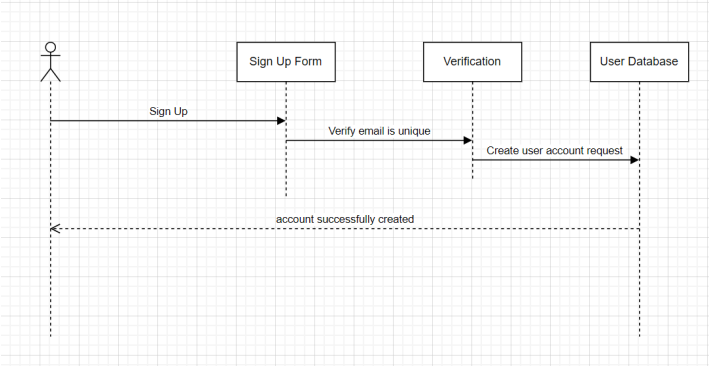


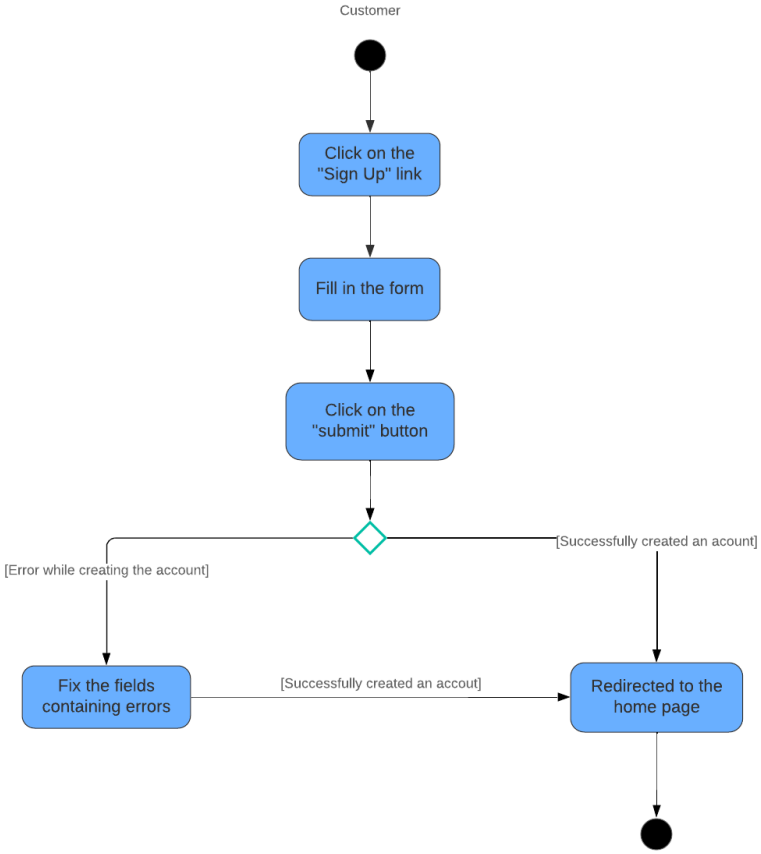
US 8 User can view their account



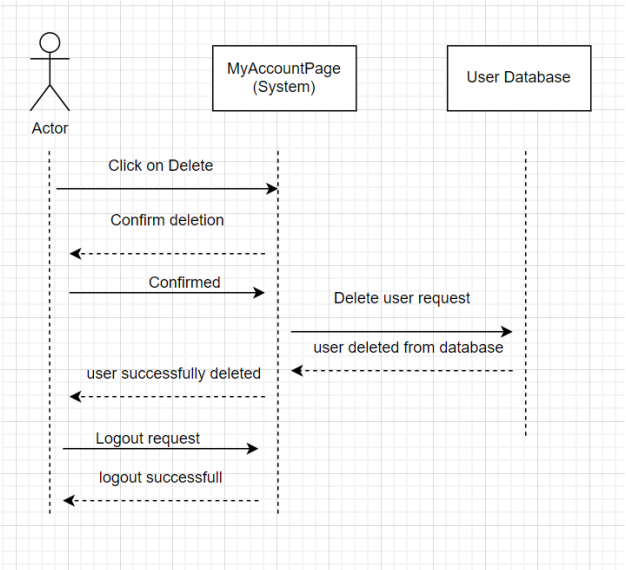


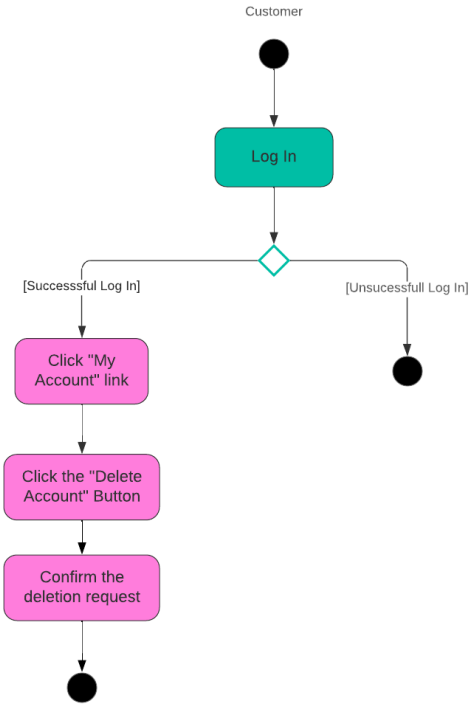
US 9 User can create an account



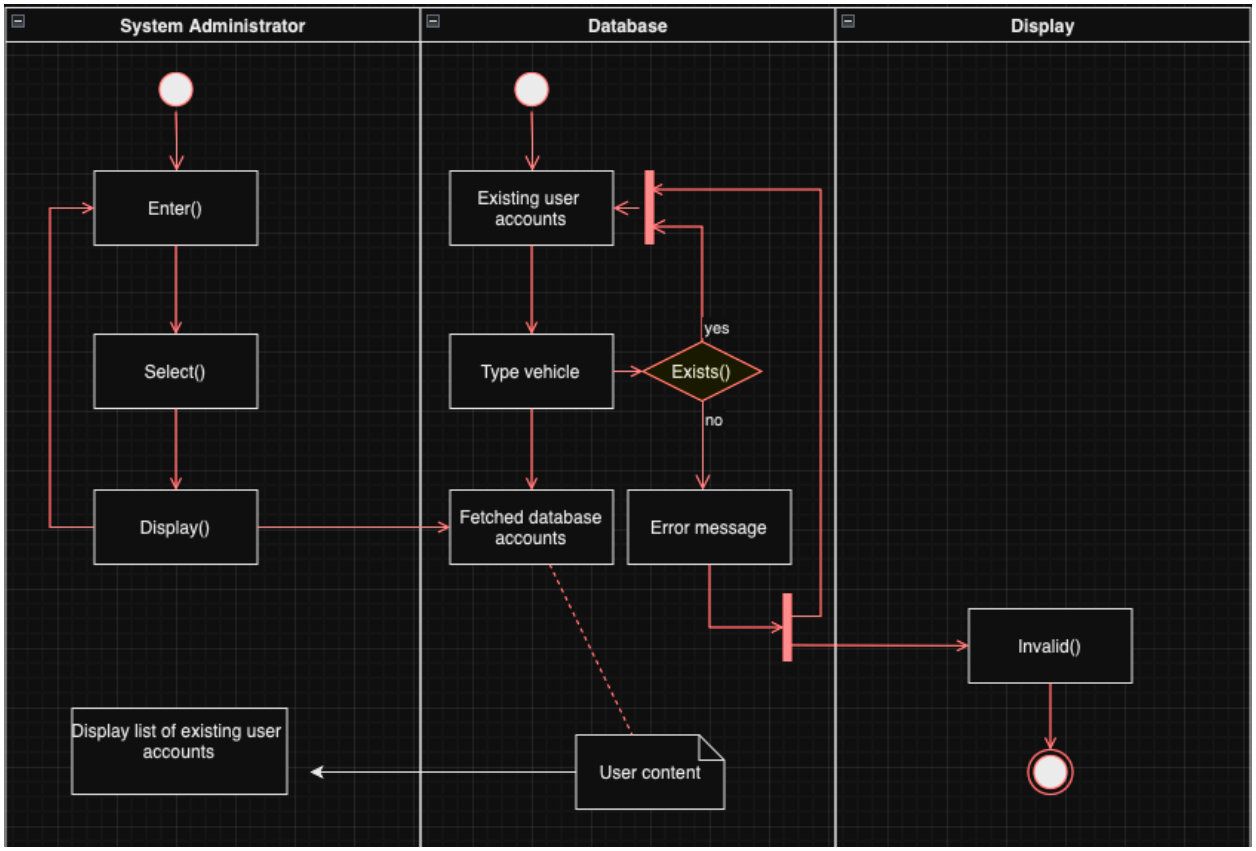


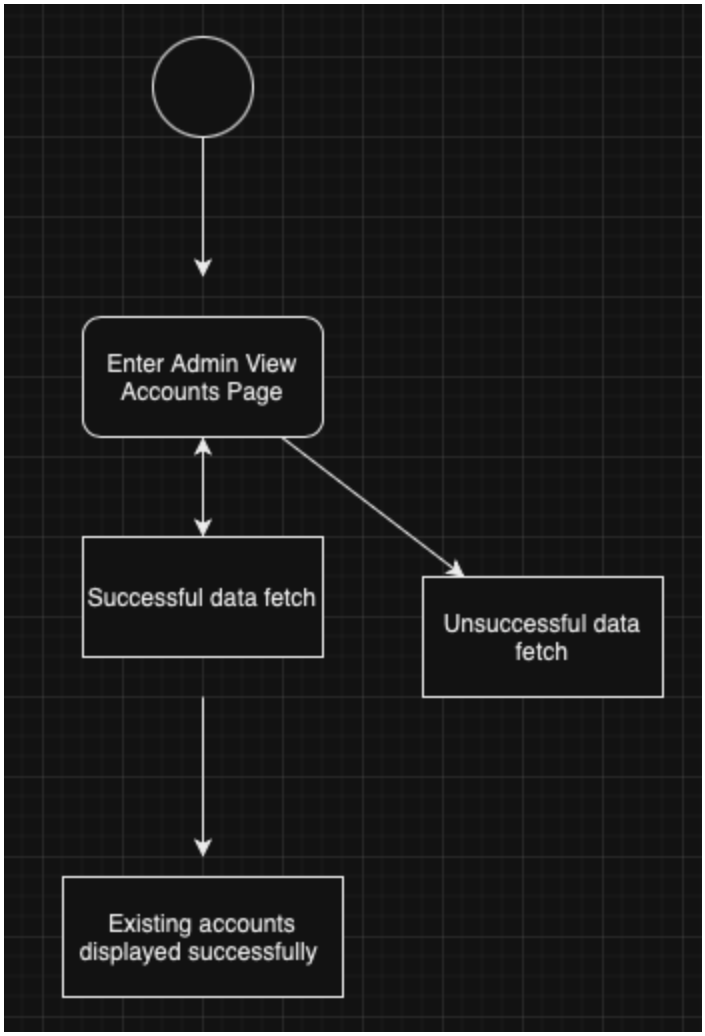
US 10 User can delete their account



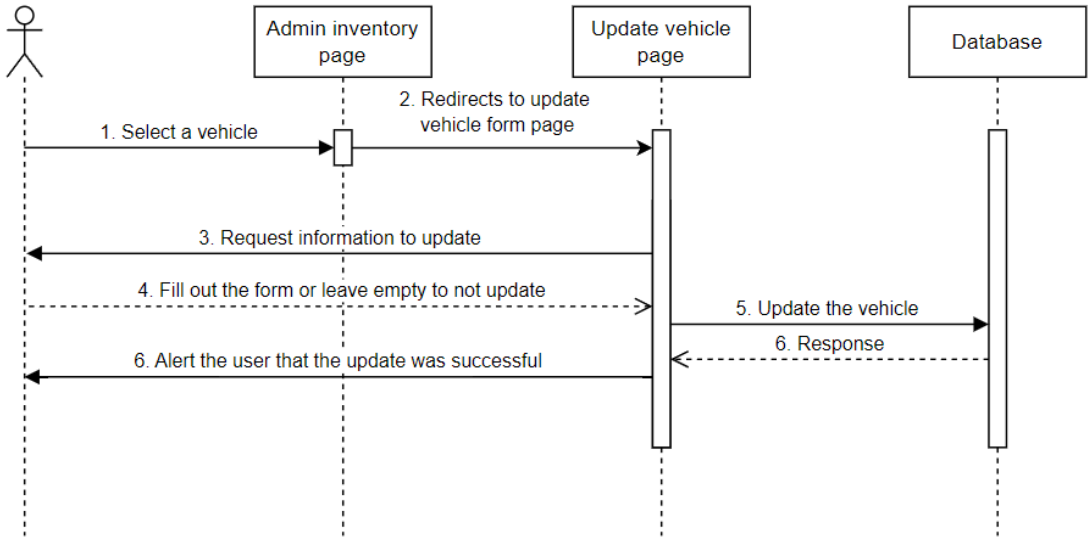


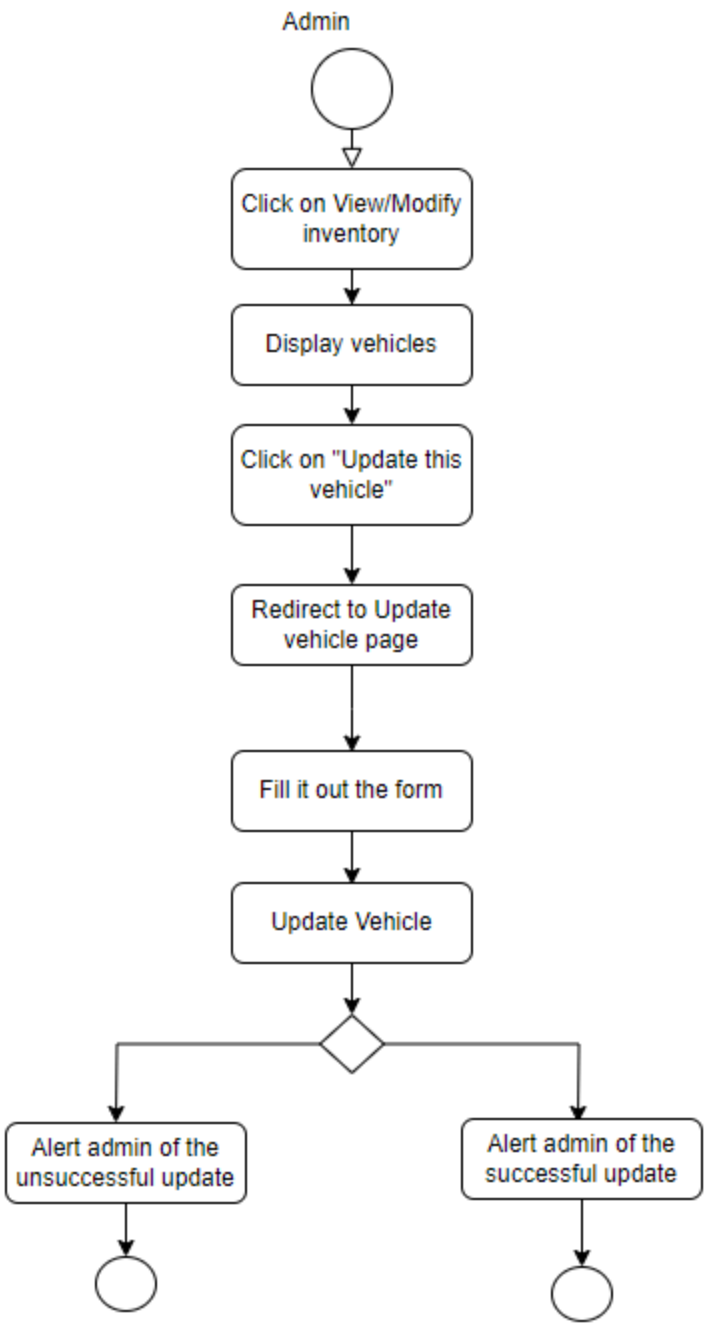
US 11 Admin can view all existing accounts



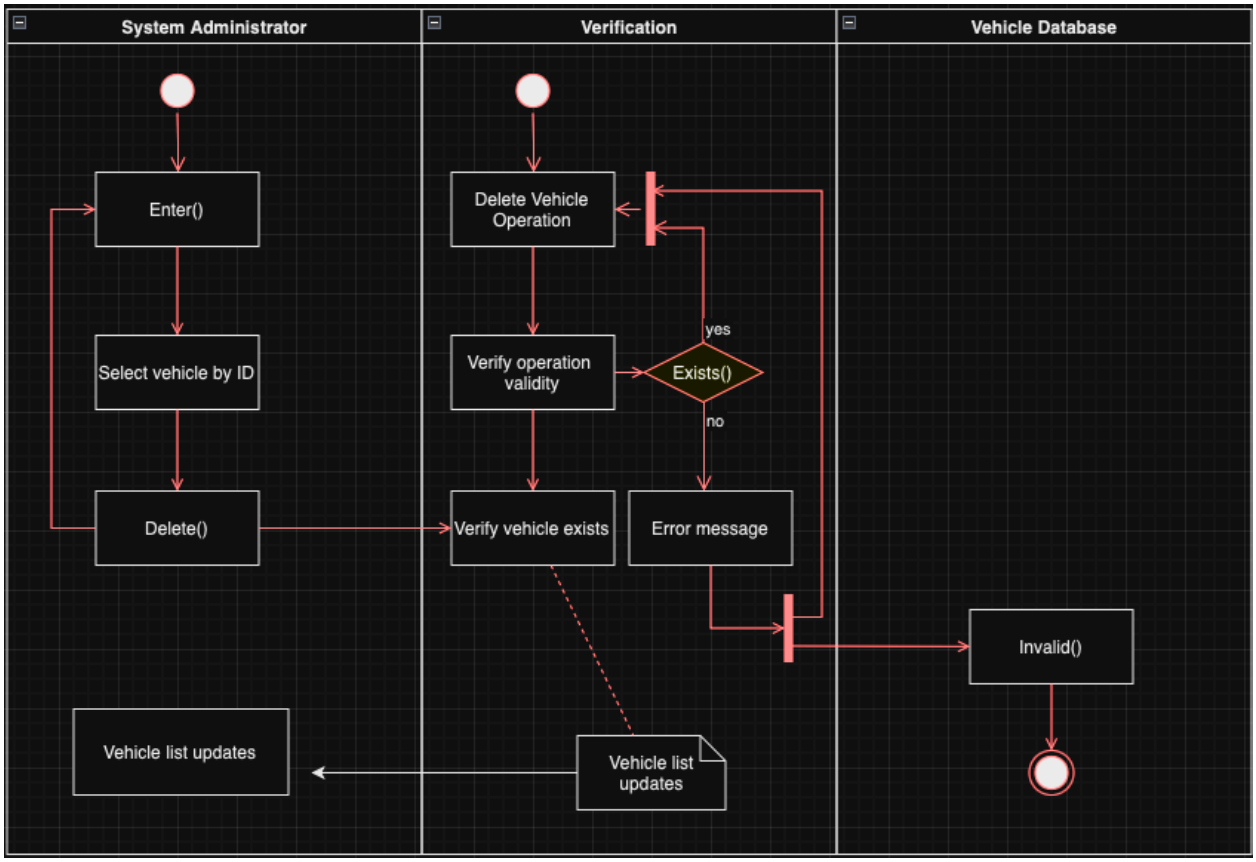


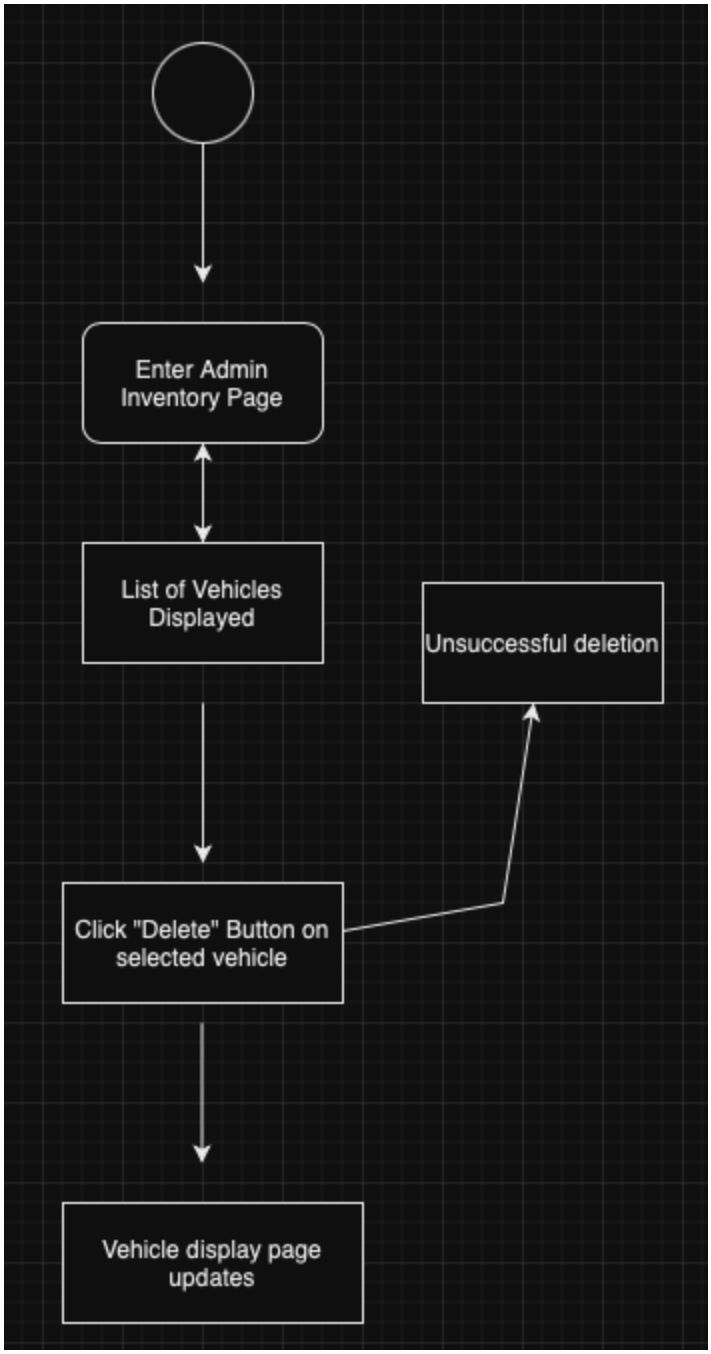
US 12 Admin update an existing vehicle


Admin inventory page
Update vehicle page
Database
1. Select a vehicle
2. Redirects to update vehicle form page
3. Request information to update
4. Fill out the form or leave empty to not update
5. Update the vehicle
6. Response
6. Alert the user that the update was successful

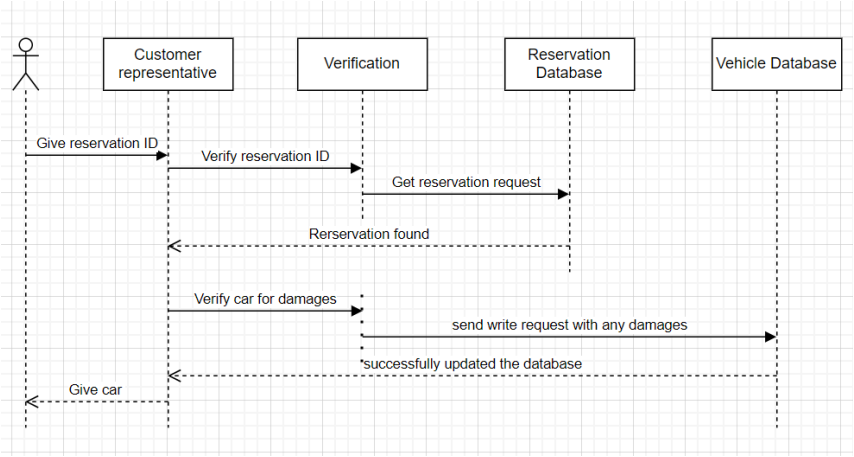


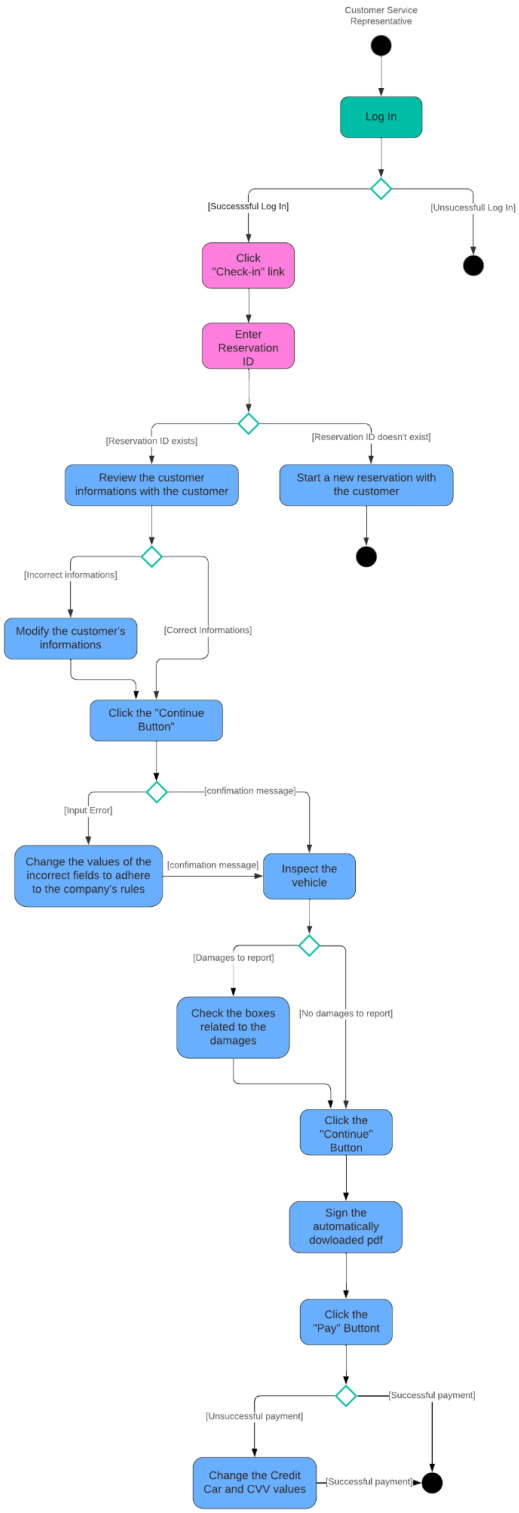
US 13 Admin can delete existing vehicle


System Administrator
Verification
Vehicle Database
Enter()
Delete Vehicle Operation
Select vehicle by ID
Verify operation validity
yes
Exists()
no
Delete()
Verify vehicle exists
Error message
Invalid()
Vehicle list updates
Vehicle list updates

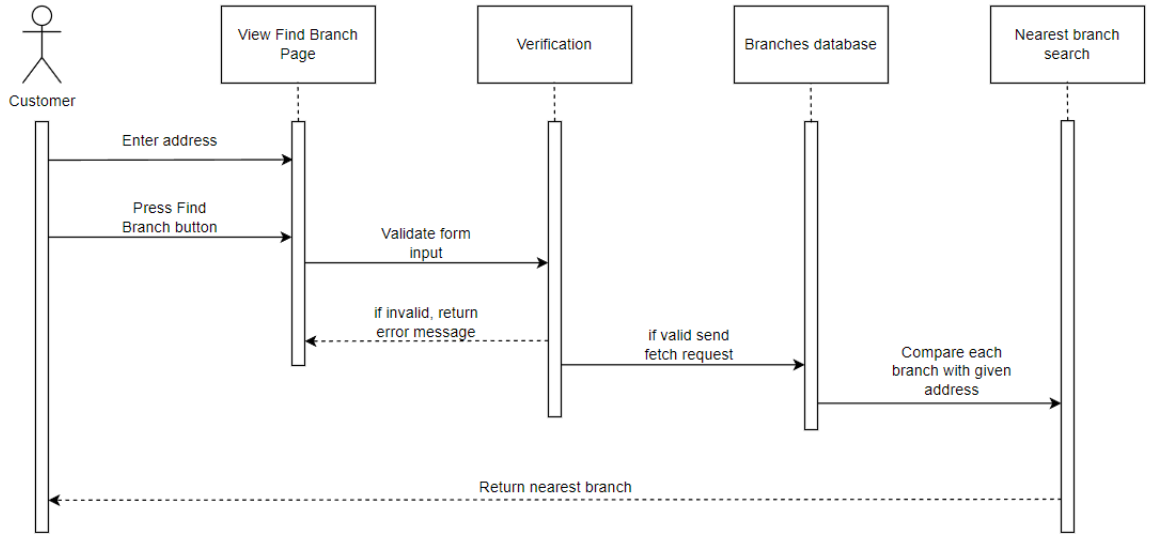

Enter Admin Inventory Page
List of Vehicles Displayed
Unsuccessful deletion
Click "Delete" Button on selected vehicle
Vehicle display page updates

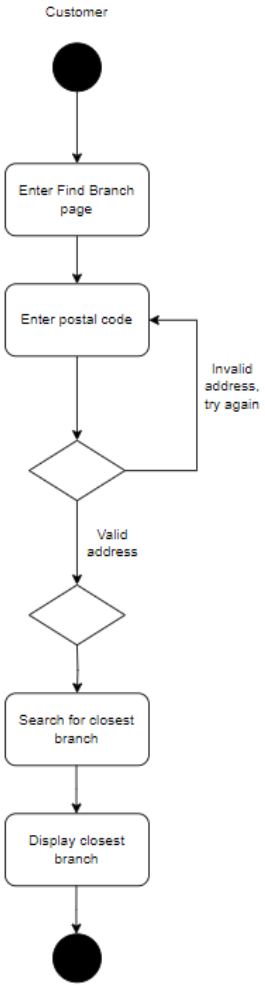
US 14 Check-in



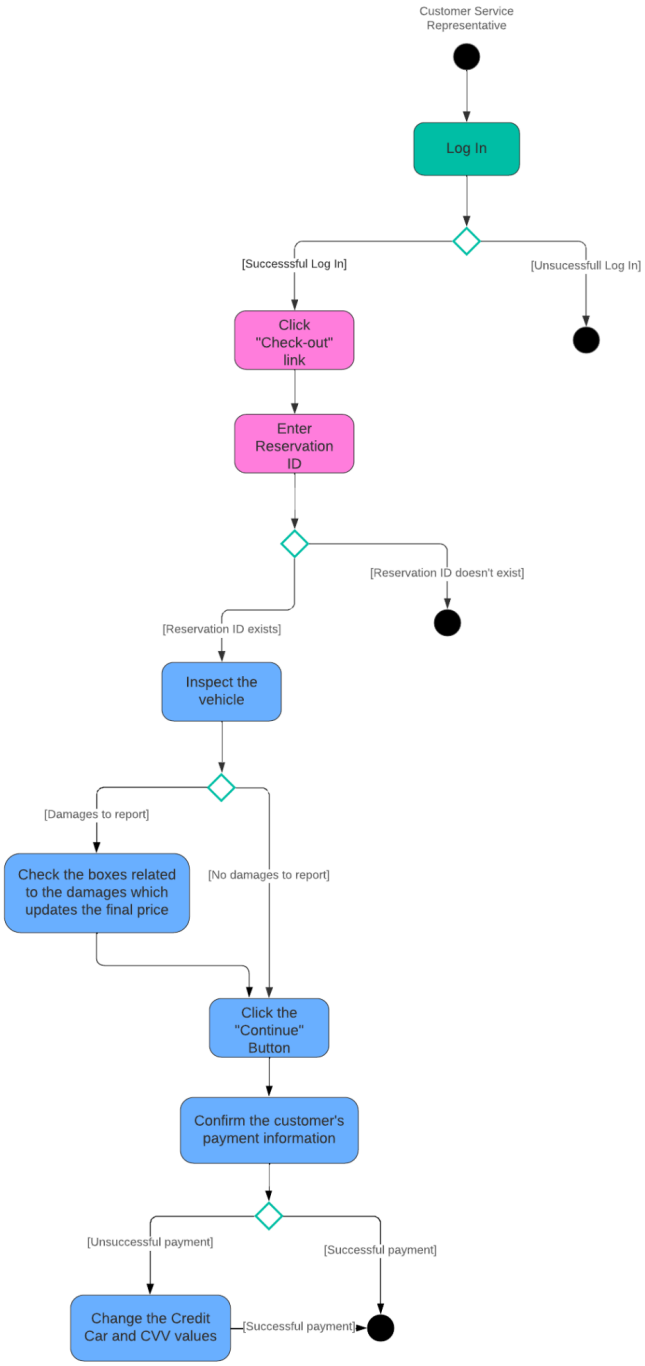

Customer Service Representative
Log In
[Successful Log In]
[Unsucessfull Log In]
Click "Check-in" link
Enter Reservation ID
[Reservation ID exists]
[Reservation ID doesn't exist]
Review the customer informations with the customer
Start a new reservation with the customer
[Incorrect informations]
[Correct Informations]
Modify the customer's informations
Click the "Continue Button"
[confimation message]
[Input Error]
Change the values of the incorrect fields to adhere to the company's rules
[confimation message]
Inspect the vehicle
[Damages to report]
[No damages to report]
Check the boxes related to the damages
Click the "Continue" Button
Sign the automatically dowloaded pdf
Click the "Pay" Buttont
[Successful payment]
[Unsuccessful payment]
Change the Credit Car and CVV values
[Successful payment]

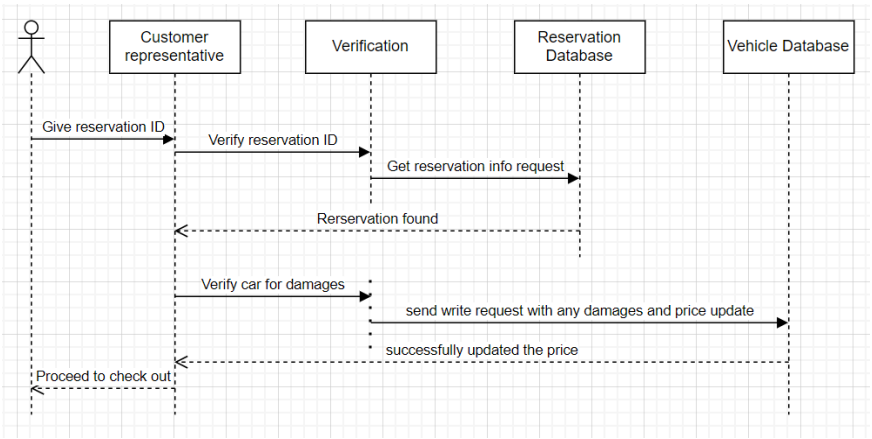
US 15


Customer
View Find Branch Page
Verification
Branches database
Nearest branch search
Enter address
Press Find Branch button
Validate form input
if invalid, return error message
if valid send fetch request
Compare each branch with given address
Return nearest branch


Customer
Enter Find Branch page
Enter postal code
Invalid address, try again
Valid address
Search for closest branch
Display closest branch

US 16 Check-out




Customer representative
Verification
Reservation Database
Vehicle Database
Give reservation ID
Verify reservation ID
Get reservation info request
Rerservation found
Verify car for damages
send write request with any damages and price update
successfully updated the price
Proceed to check out