Question : Book a Ticket in online [Online Bus Reservation System]

WHAT ?	HOW?
1.What are the functionalities or modules Required ? **Ans :** **A) Admin** a) Add/Delete/View/View all the Bus details **Ans :** Bus no, Bus Route, Bus Type b) Add/Delete/Update/View Fare Details c) Add/Delete/Update/View Customer Details **Ans :** Customer name, phone no, age,mail id d) Add/Delete/Update/View the driver and cleaner Details **Ans :** Driver, Cleaner Details with Mobile number **B) User** a) Register b) Login c) Search a bus d) Book a Bus e) Cancel a Bus f) Payment g) Review h) Travel History 2.Client Need a Mobile Application or Web Application? **Ans :** Both Mobile Application and Web Application 3.What is the time limit you will give us? **Ans :** 4 to 6 Months	01. In the admin panel, enter the bus ID and bus details with add/delete/view/update by using the Text Bar. 02. In the admin panel, use the drop-down bar to add/delete/view/update the bus ID and bus details. 03. In the admin panel, add, delete, or update the bus details after the document verification, and your bus will be added to the app and a unique identifier will be generated. 04.In fare, enter route in the textbox to add, delete, or update an option. 05. In fare select the source and destination route with add,delete or update option. 06. After booking, provide the driver and cleaner details to the customer. 07. After booking, don't provide the driver and cleaner details to the customer. 08. Registration done by manually. 09. Registration done with a help of google account. 10. Seat selection count selection by using text box, then seat will allocate automatically. 11. Seat selection count selection by using increment and decrement button, then seats will be allocated automatically. 12. Seat selection will be a manual method (manual selection).

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4.What are the languages the client needed in this project? ***Ans :*** *Indian languages and English(UK)* *5.Is this application going to be open-source or closed-source?* ***Ans :*** *Open-Source*	*13. Show the Travel history in the Main Page.* *14. Don't Show the Travel history in the Main Page.*
WHY ?	**WHY NOT?**
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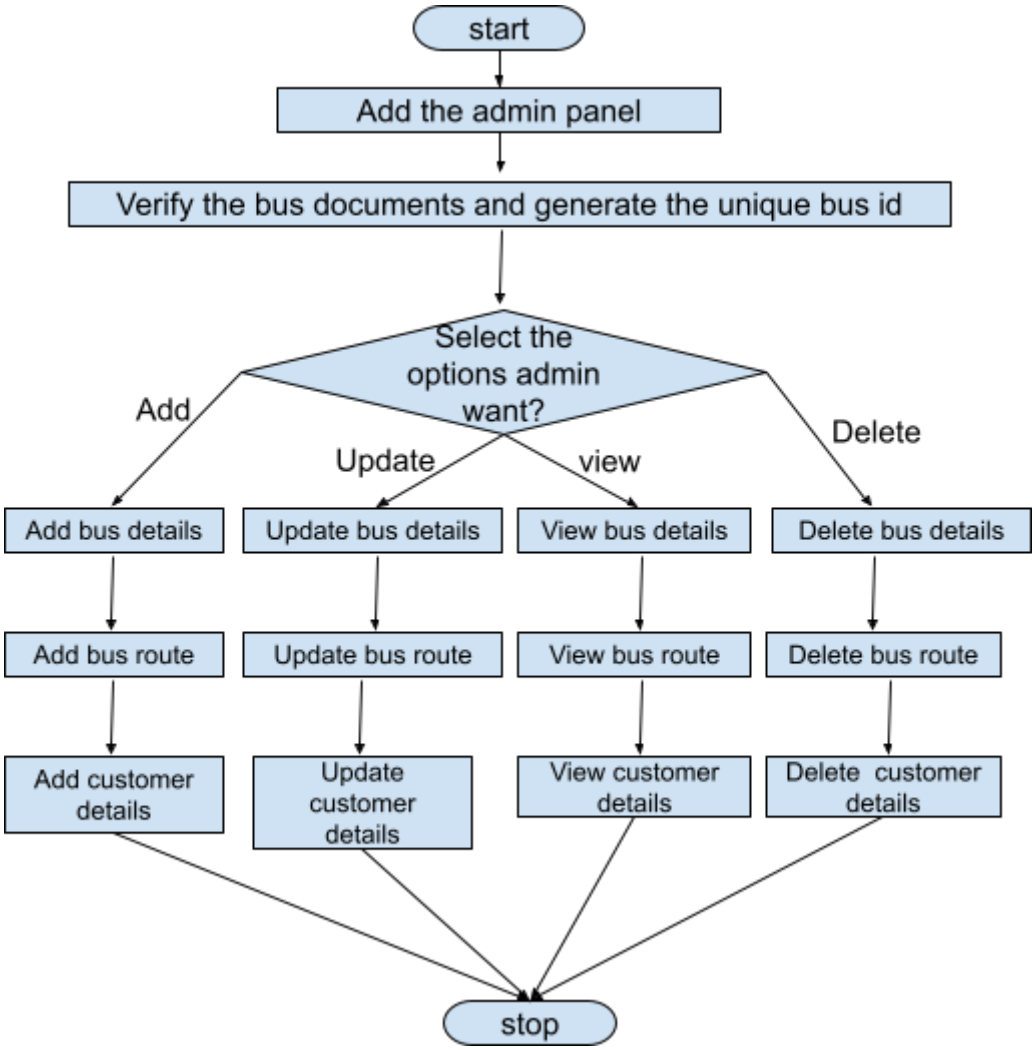
ADMIN :

Algorithm :

Step 01: *Start*
Step 02: *Create an admin panel.*
Step 03: *Verify the bus documents*
Step 04: *Add the bus details, Delete the bus details, Update the bus details and View the details by using an individual bus id.*
Step 05: *Add the bus route, Update the bus route, Delete the bus route after adding bus details.*
Step 06:*Admin can Add the customer details, Update the customer details, Delete the customer details .*
Step 07: *Add the driver and cleaner details, Update the driver and cleaner details, Delete the driver and cleaner details.*
Step 08: *stop*

FLowchart :



USER :

Algorithm :

Step 01 : *start*
Step 02 : *A new user must register his details in the registration form.*
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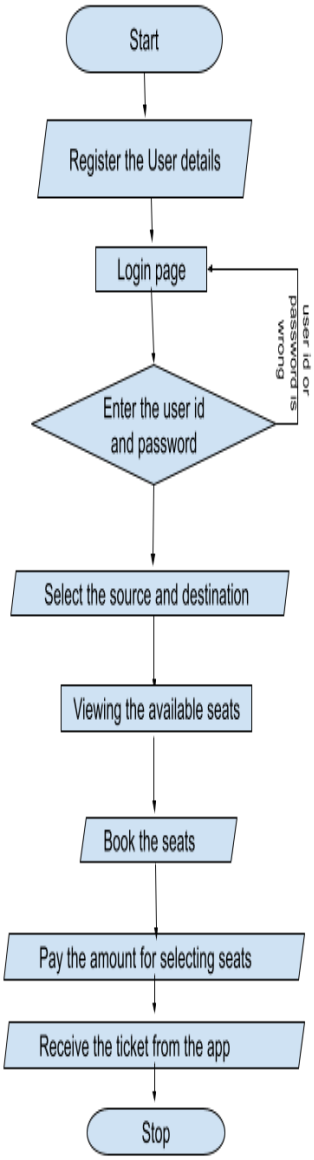
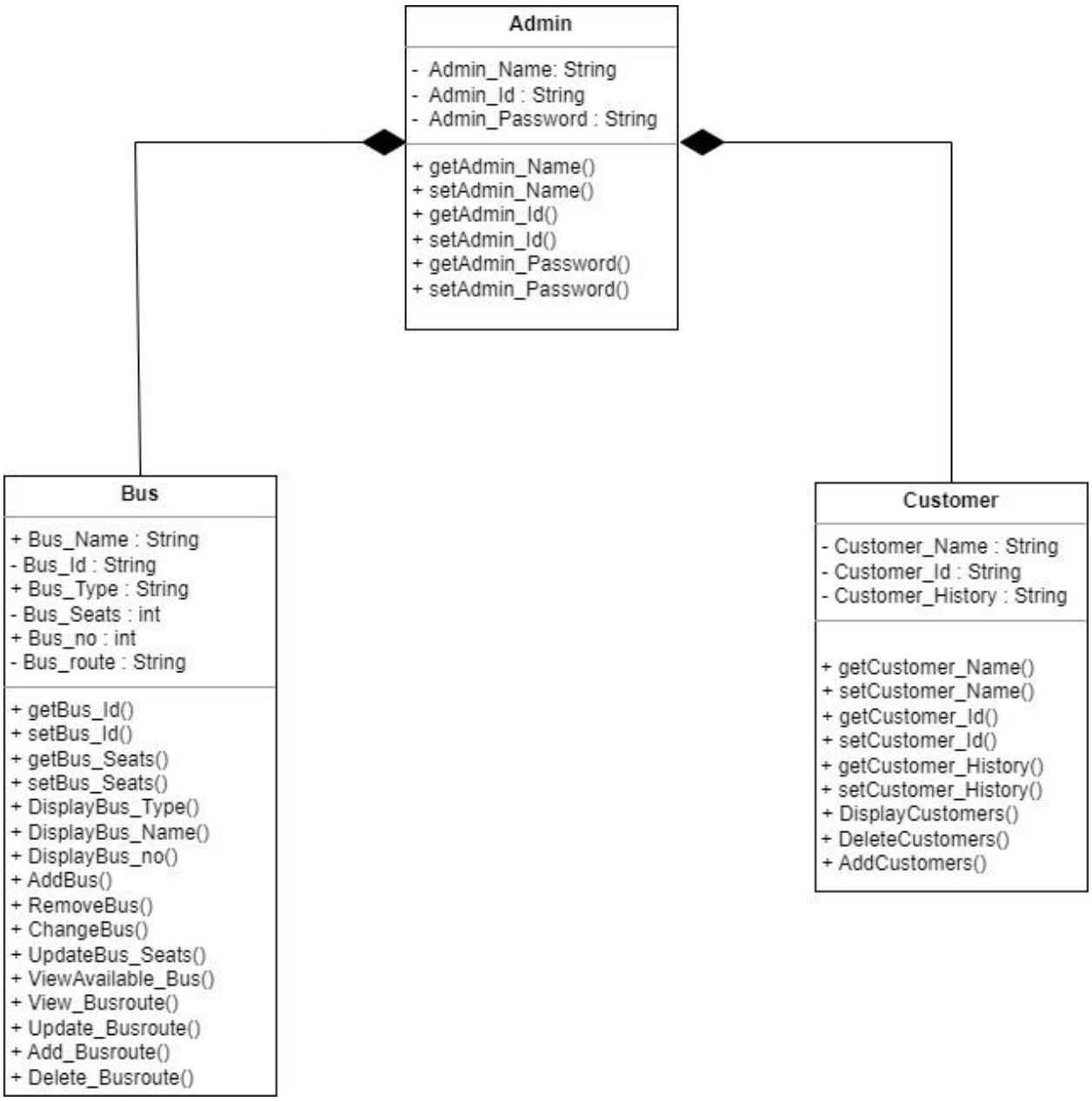
Step 08 : *Book the seats.*
Step 08 : *Pay the amount for booking.*
Step 09 : *Get the ticket from the application.*
Step 10 : *stop*

Flowchart :

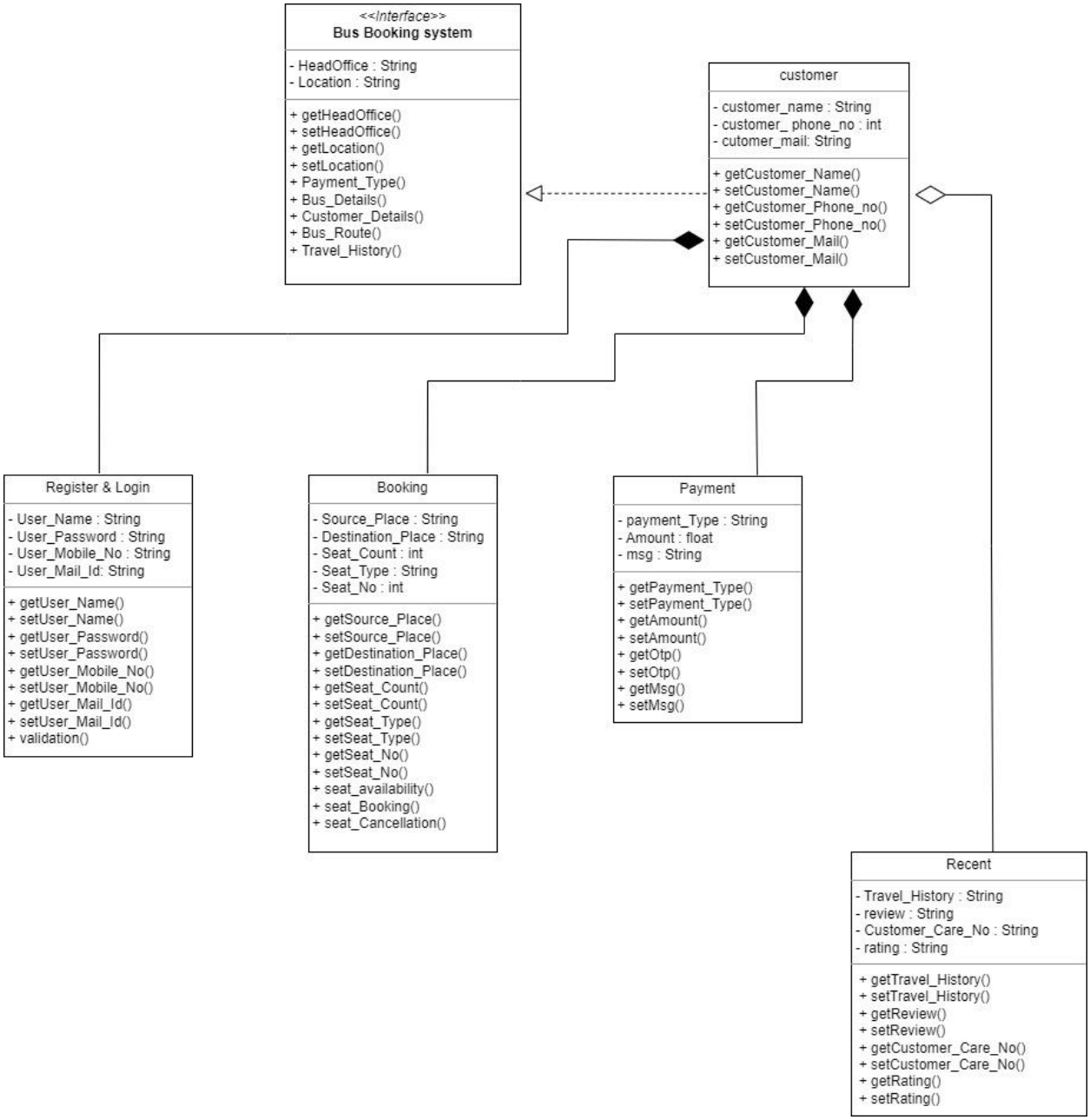

Start
Register the User details
Login page
user id or password is wrong
Enter the user id and password
Select the source and destination
Viewing the available seats
Book the seats
Pay the amount for selecting seats
Receive the ticket from the app
Stop

UML

Admin :

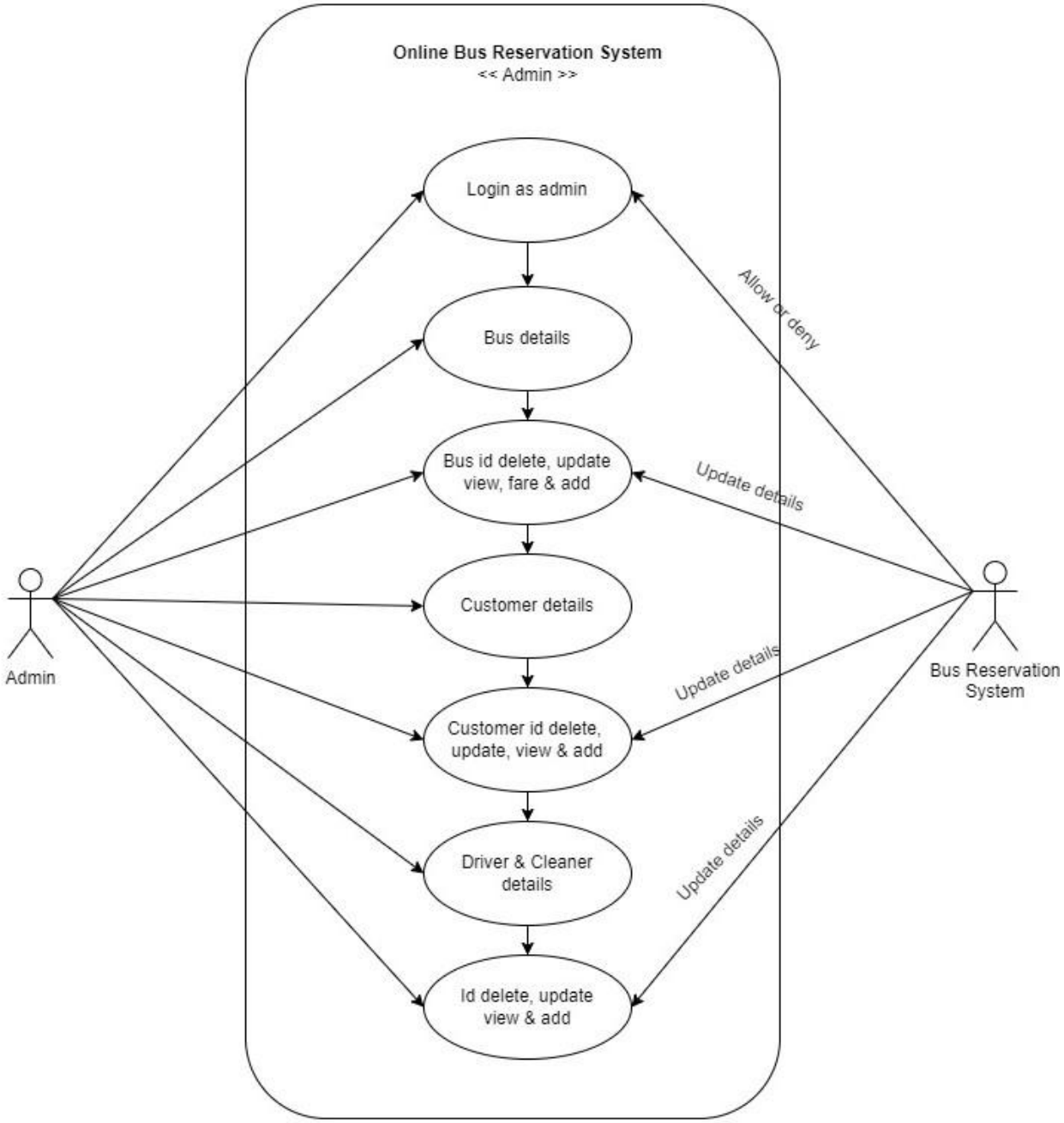


User:



UseCase Diagram:

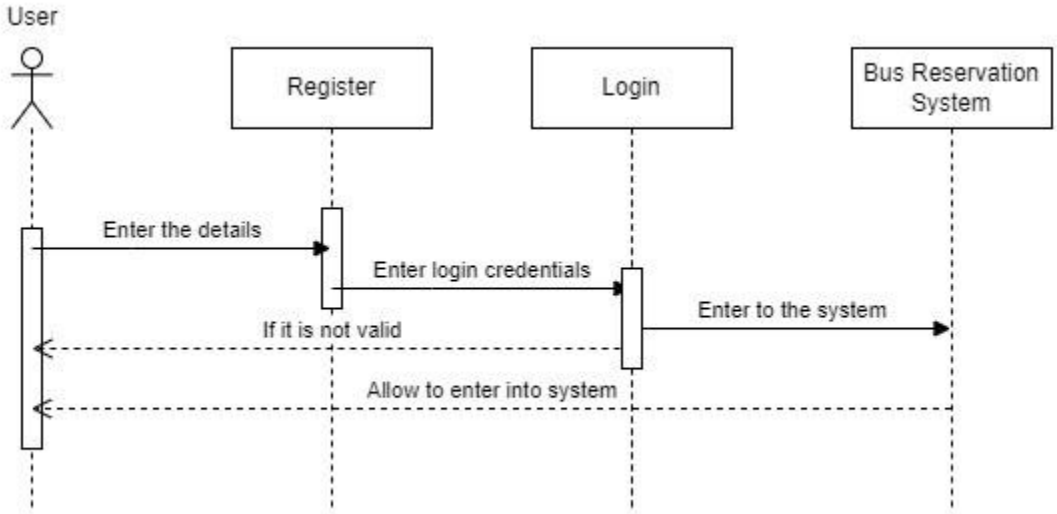
Admin:


Online Bus Reservation System
<< Admin >>
Login as admin
Bus details
Bus id delete, update view, fare & add
Customer details
Customer id delete, update, view & add
Driver & Cleaner details
Id delete, update view & add
Allow or deny
Update details
Update details
Update details
Admin
Bus Reservation System

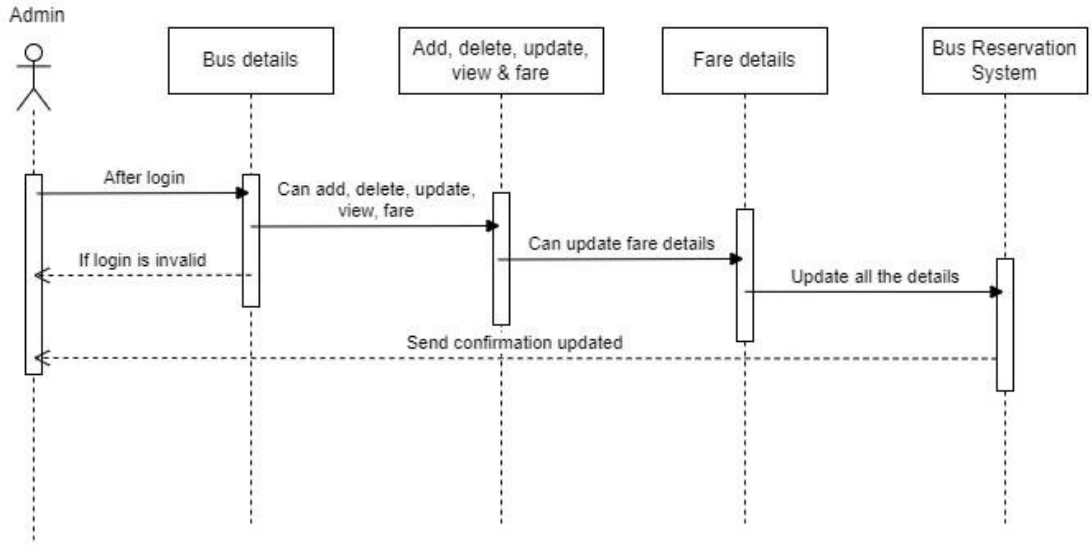
User:

Sequence Diagram :

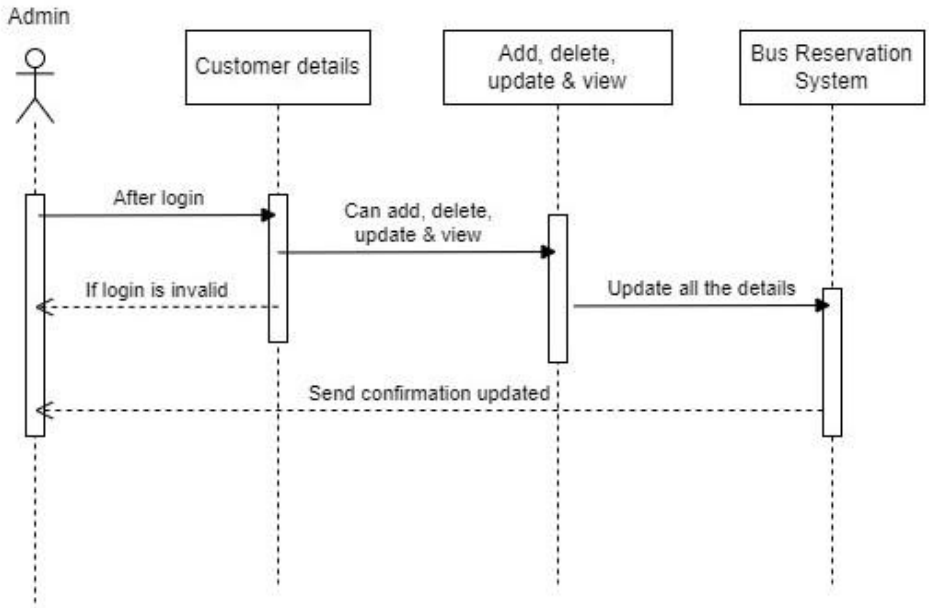
Register & Login



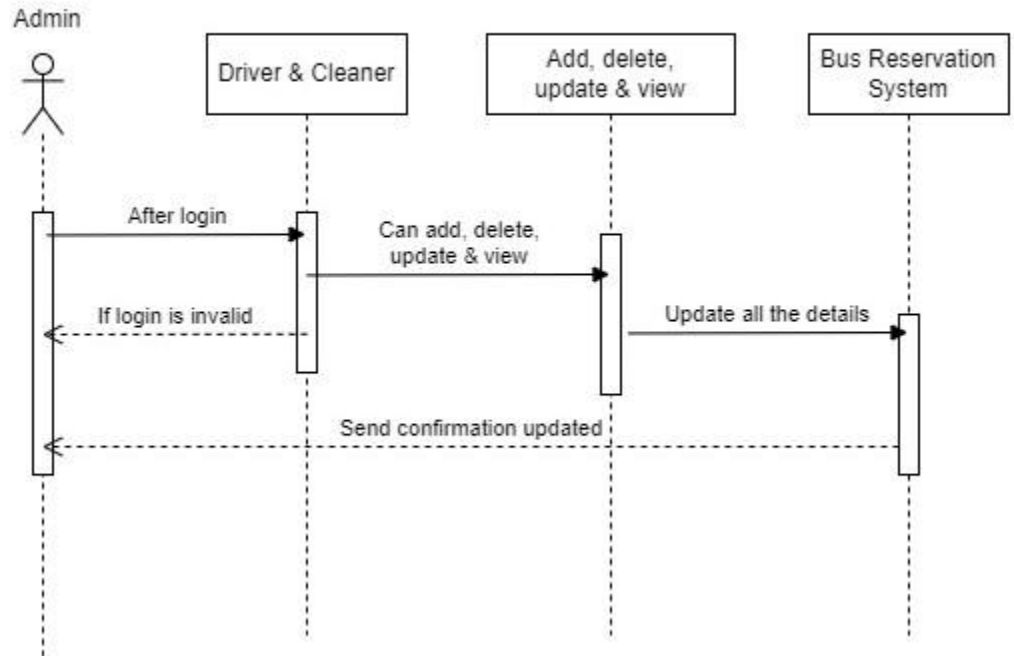
Bus Fare :



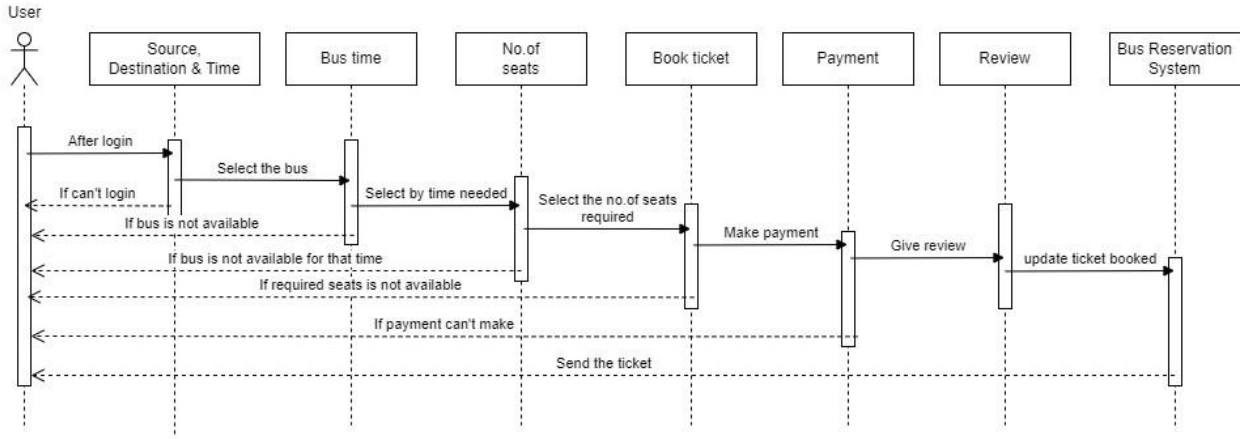
Customer Details :



Driver & Cleaner Details :



Booking :



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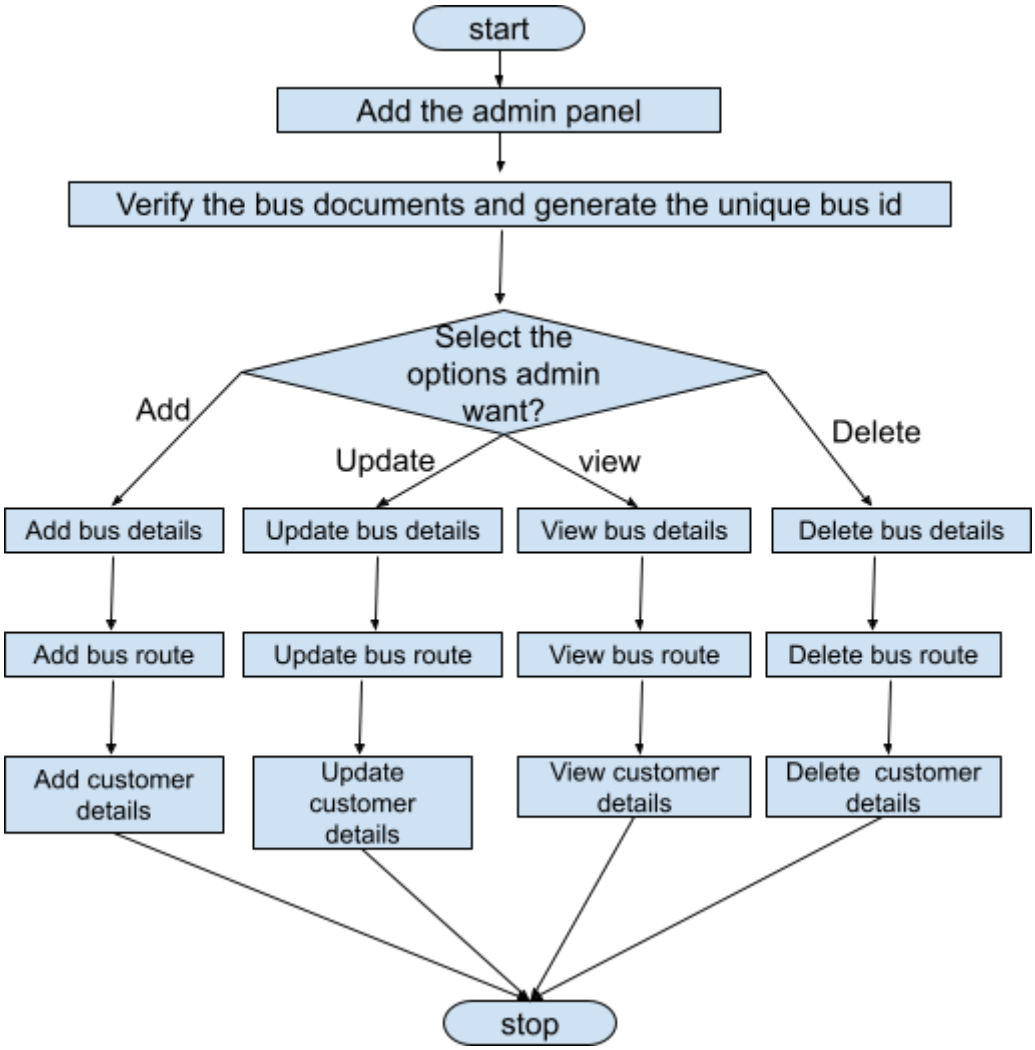

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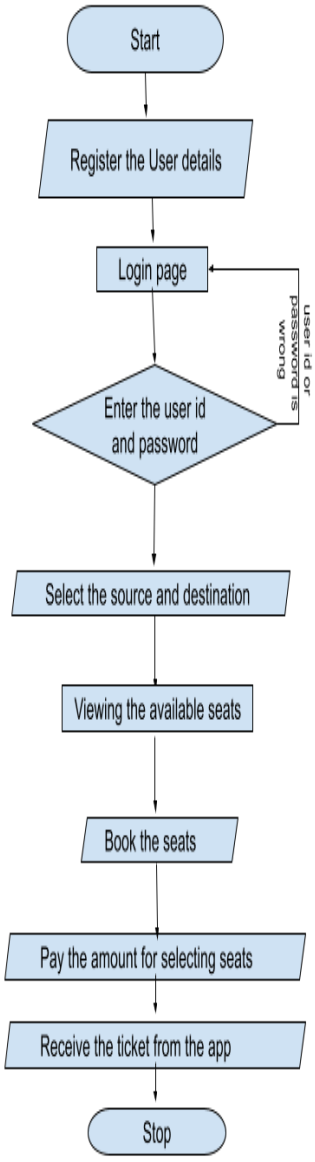

UML

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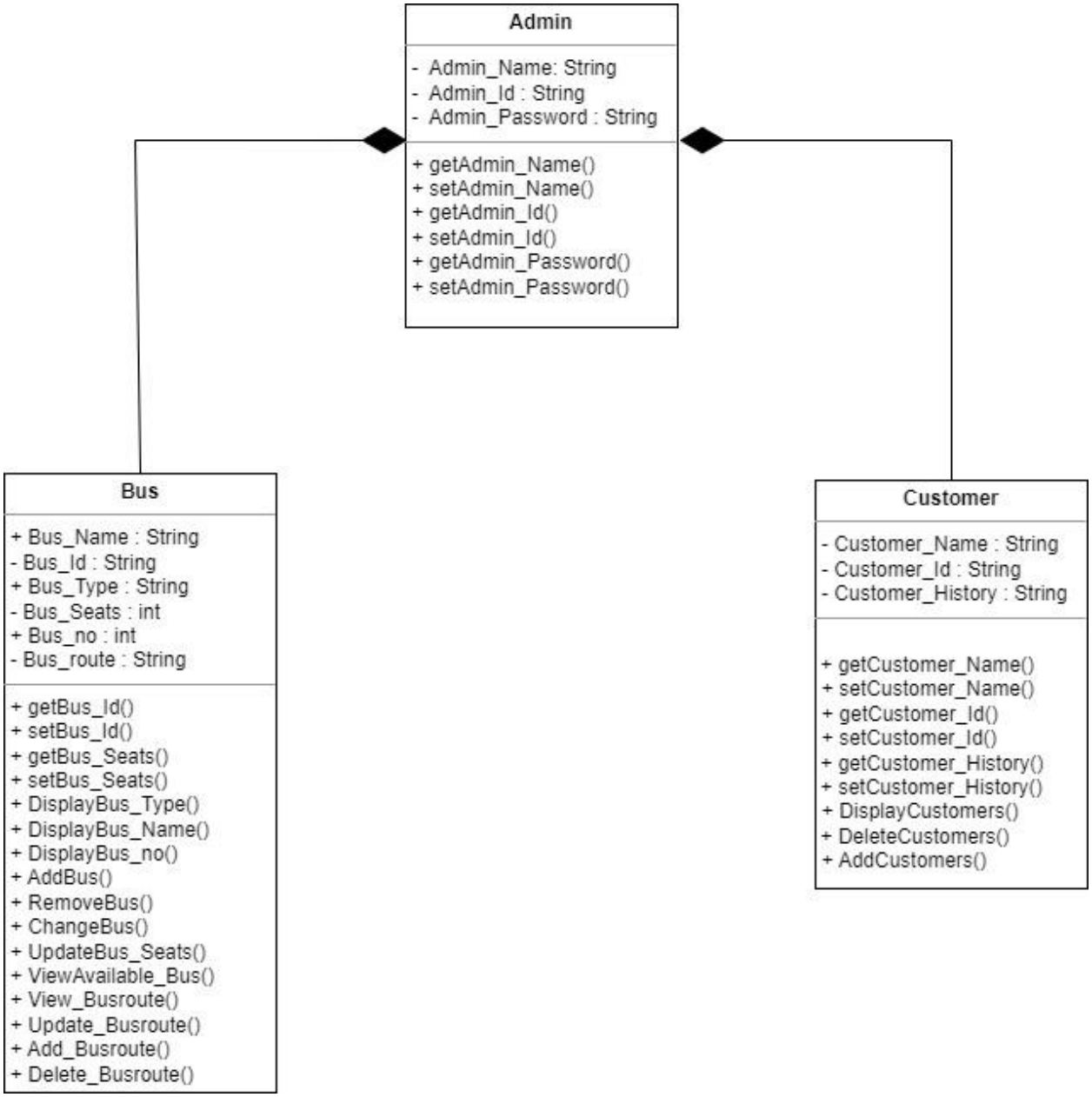
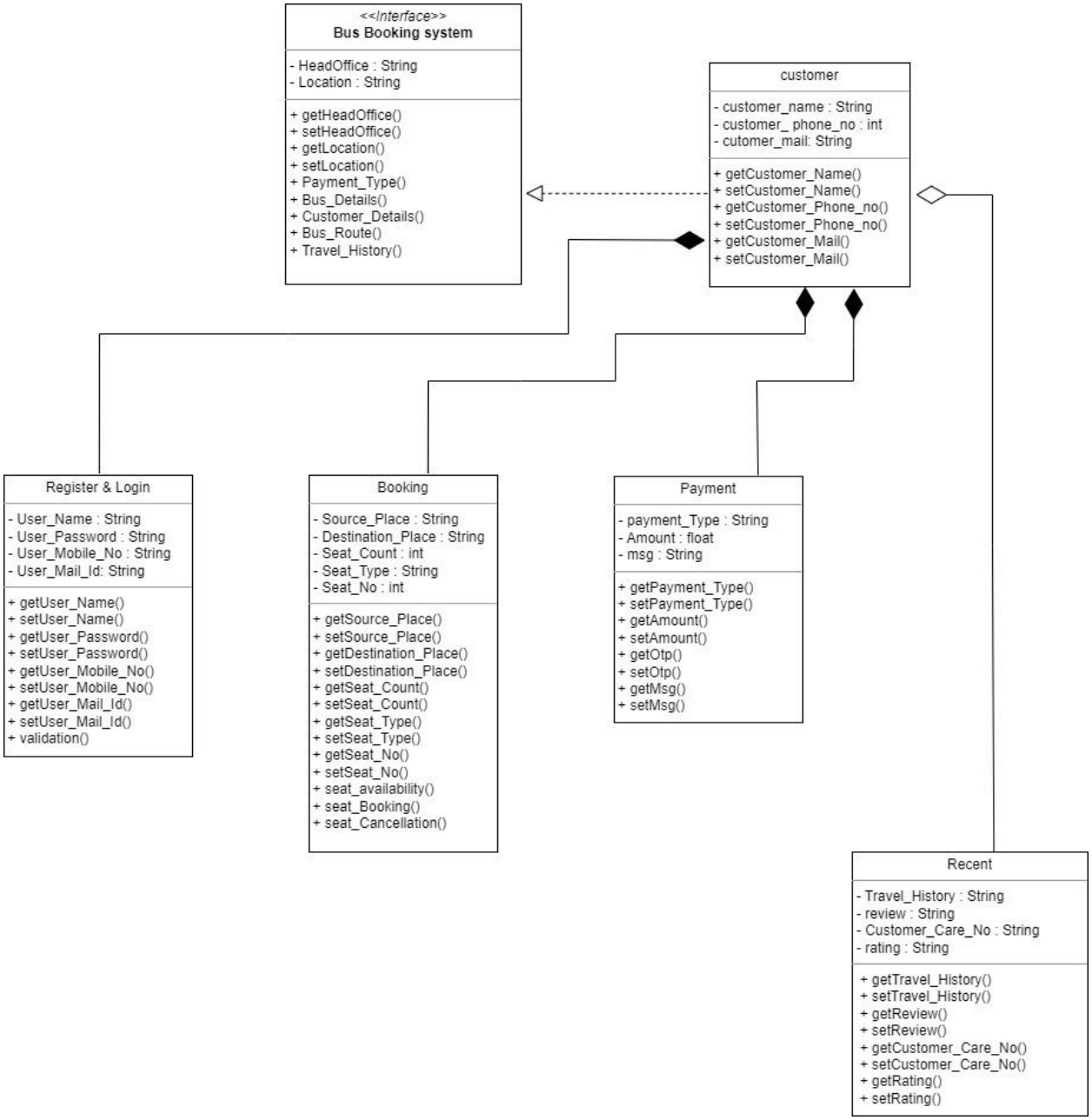

Admin
- Admin_Name: String
- Admin_Id : String
- Admin_Password : String
+ getAdmin_Name()
+ setAdmin_Name()
+ getAdmin_Id()
+ setAdmin_Id()
+ getAdmin_Password()
+ setAdmin_Password()
Bus
+ Bus_Name : String
- Bus_Id : String
+ Bus_Type : String
- Bus_Seats : int
+ Bus_no : int
- Bus_route : String
+ getBus_Id()
+ setBus_Id()
+ getBus_Seats()
+ setBus_Seats()
+ DisplayBus_Type()
+ DisplayBus_Name()
+ DisplayBus_no()
+ AddBus()
+ RemoveBus()
+ ChangeBus()
+ UpdateBus_Seats()
+ ViewAvailable_Bus()
+ View_Busroute()
+ Update_Busroute()
+ Add_Busroute()
+ Delete_Busroute()
Customer
- Customer_Name : String
- Customer_Id : String
- Customer_History : String
+ getCustomer_Name()
+ setCustomer_Name()
+ getCustomer_Id()
+ setCustomer_Id()
+ getCustomer_History()
+ setCustomer_History()
+ DisplayCustomers()
+ DeleteCustomers()
+ AddCustomers()

User:



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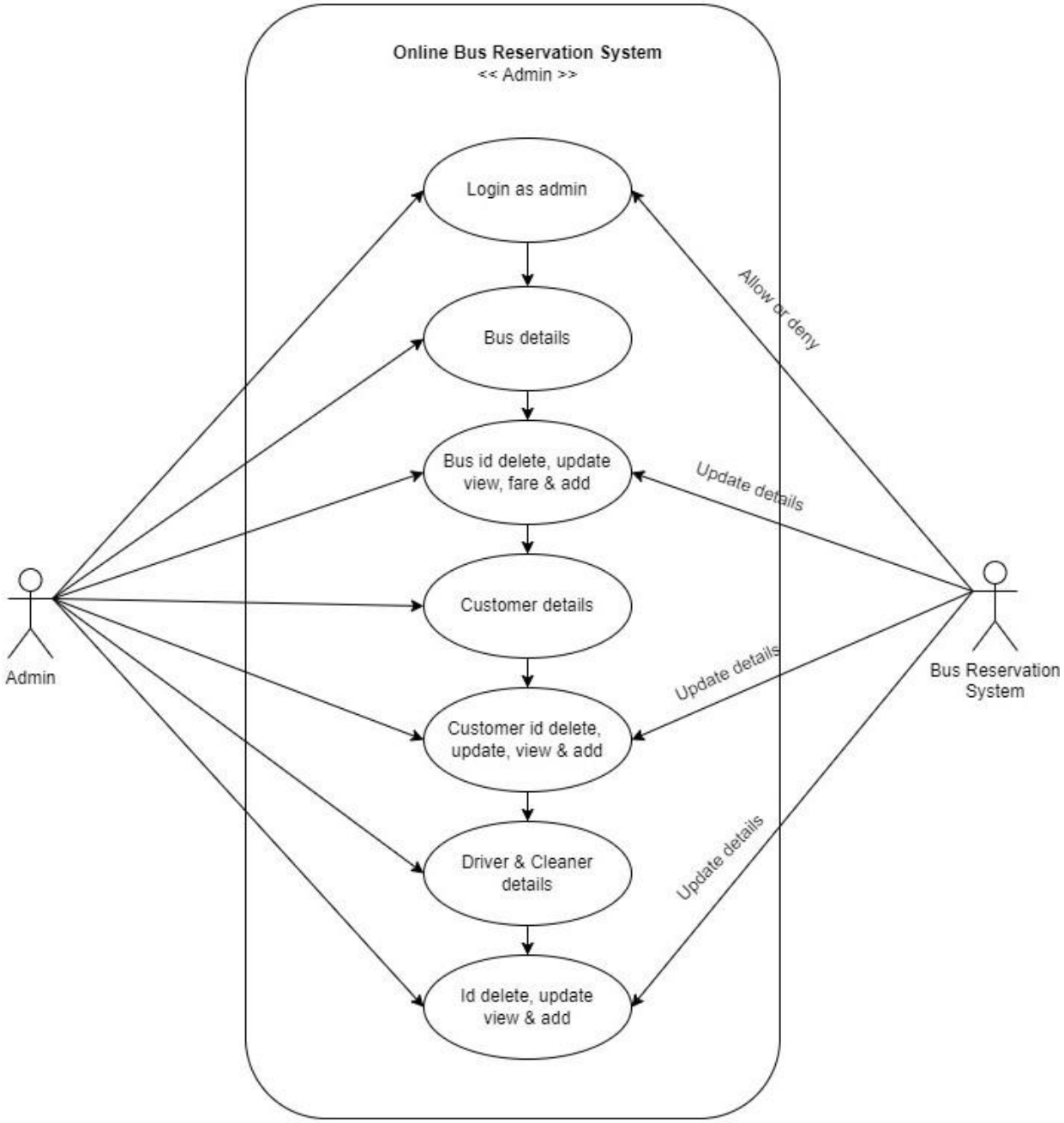
Online Bus Reservation System
<< Admin >>
Login as admin
Bus details
Bus id delete, update view, fare & add
Customer details
Customer id delete, update, view & add
Driver & Cleaner details
Id delete, update view & add
Allow or deny
Update details
Update details
Update details
Admin
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Sequence Diagram :

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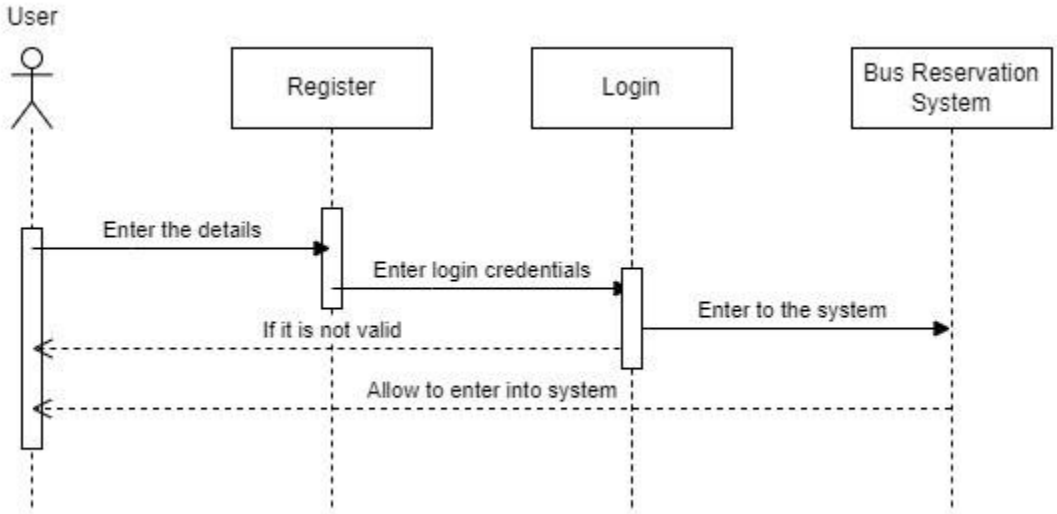
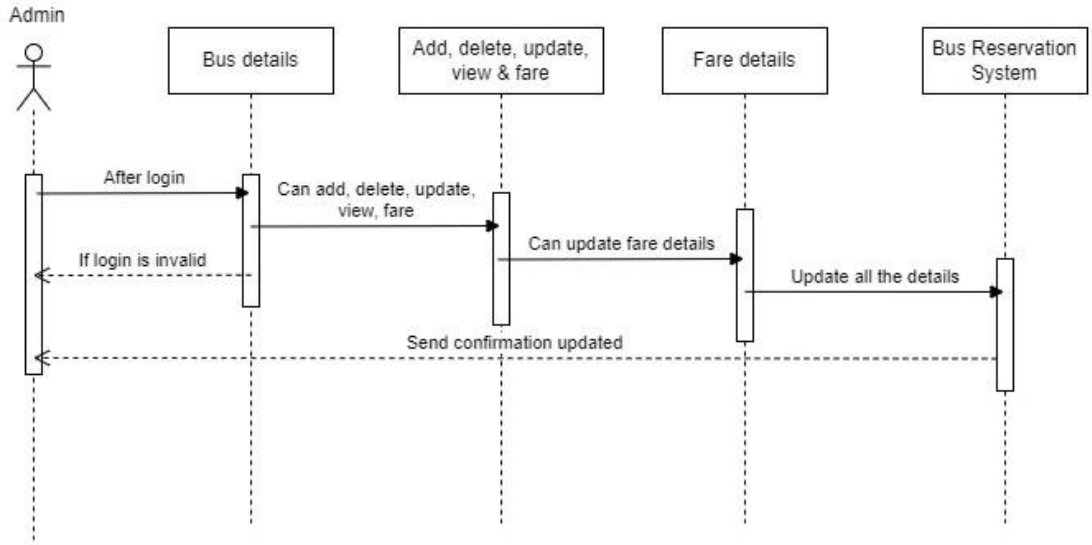


Bus Fare :



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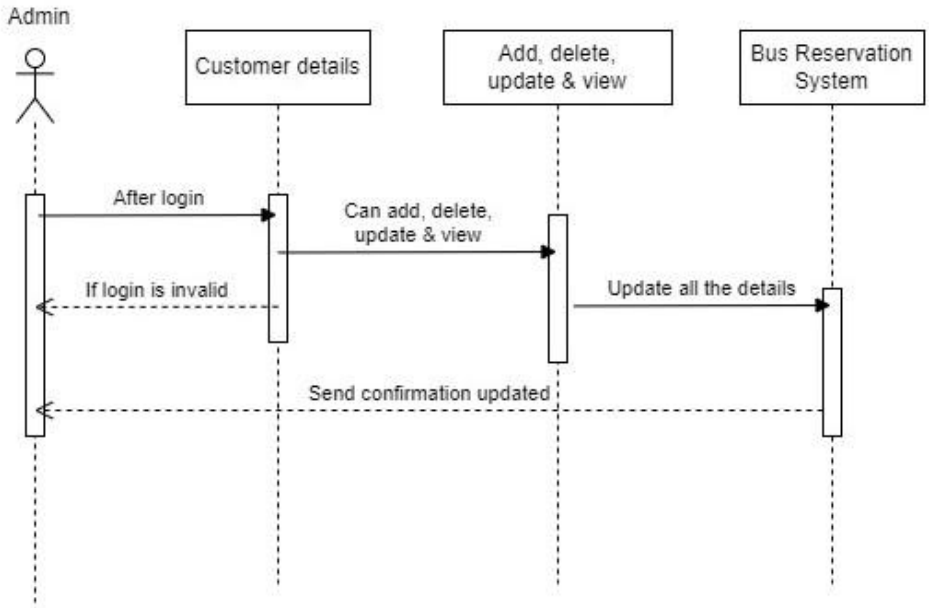

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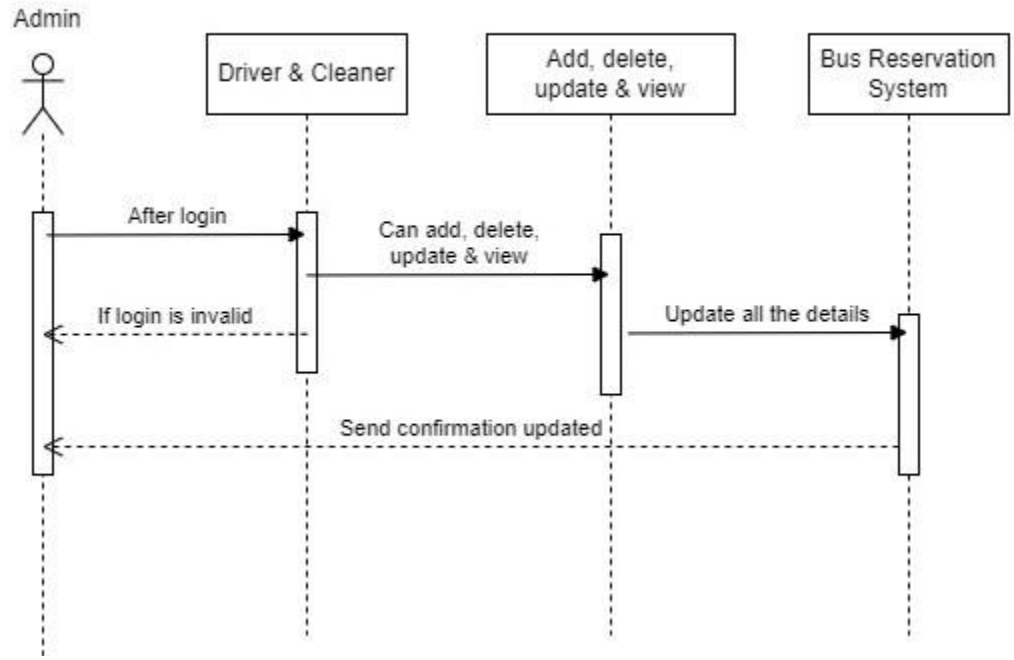

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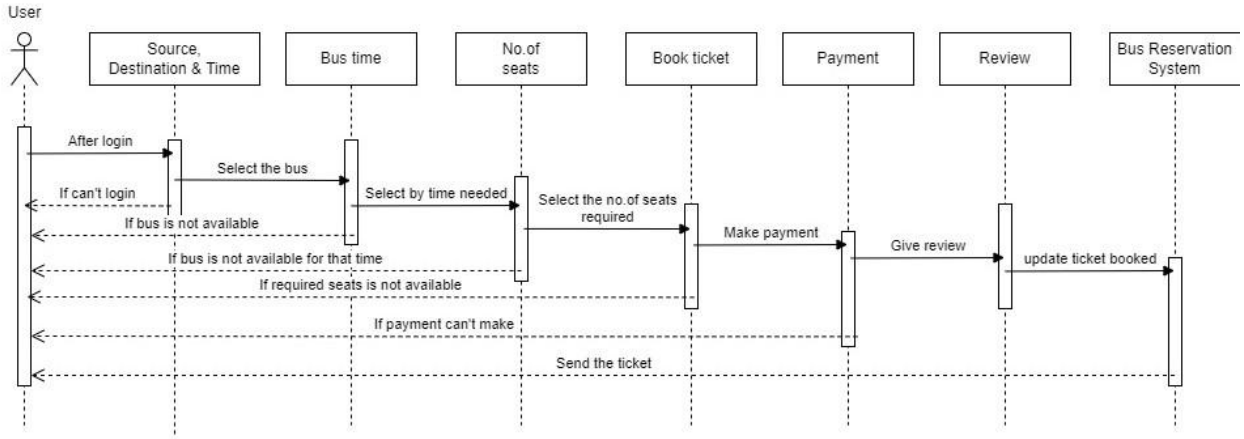
User
Source, Destination & Time
Bus time
No.of seats
Book ticket
Payment
Review
Bus Reservation System
After login
Select the bus
Select by time needed
Select the no.of seats required
Make payment
Give review
update ticket booked
If can't login
If bus is not available
If bus is not available for that time
If required seats is not available
If payment can't make
Send the ticket