INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT AKURDI, PUNE

Diagrams and Tables

Group no:87

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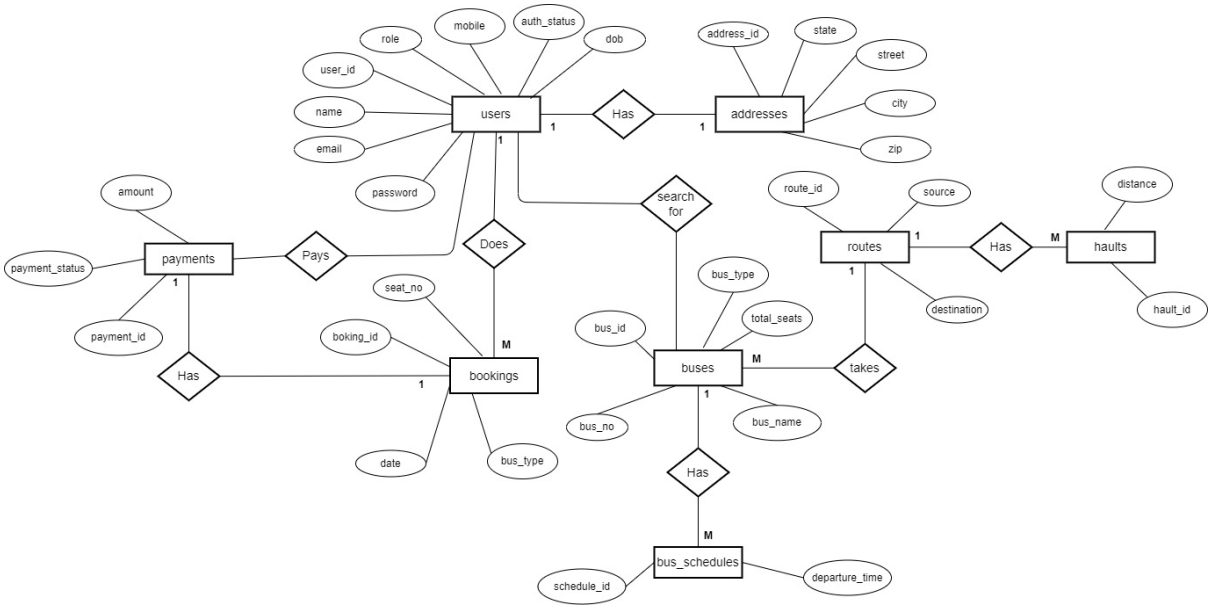
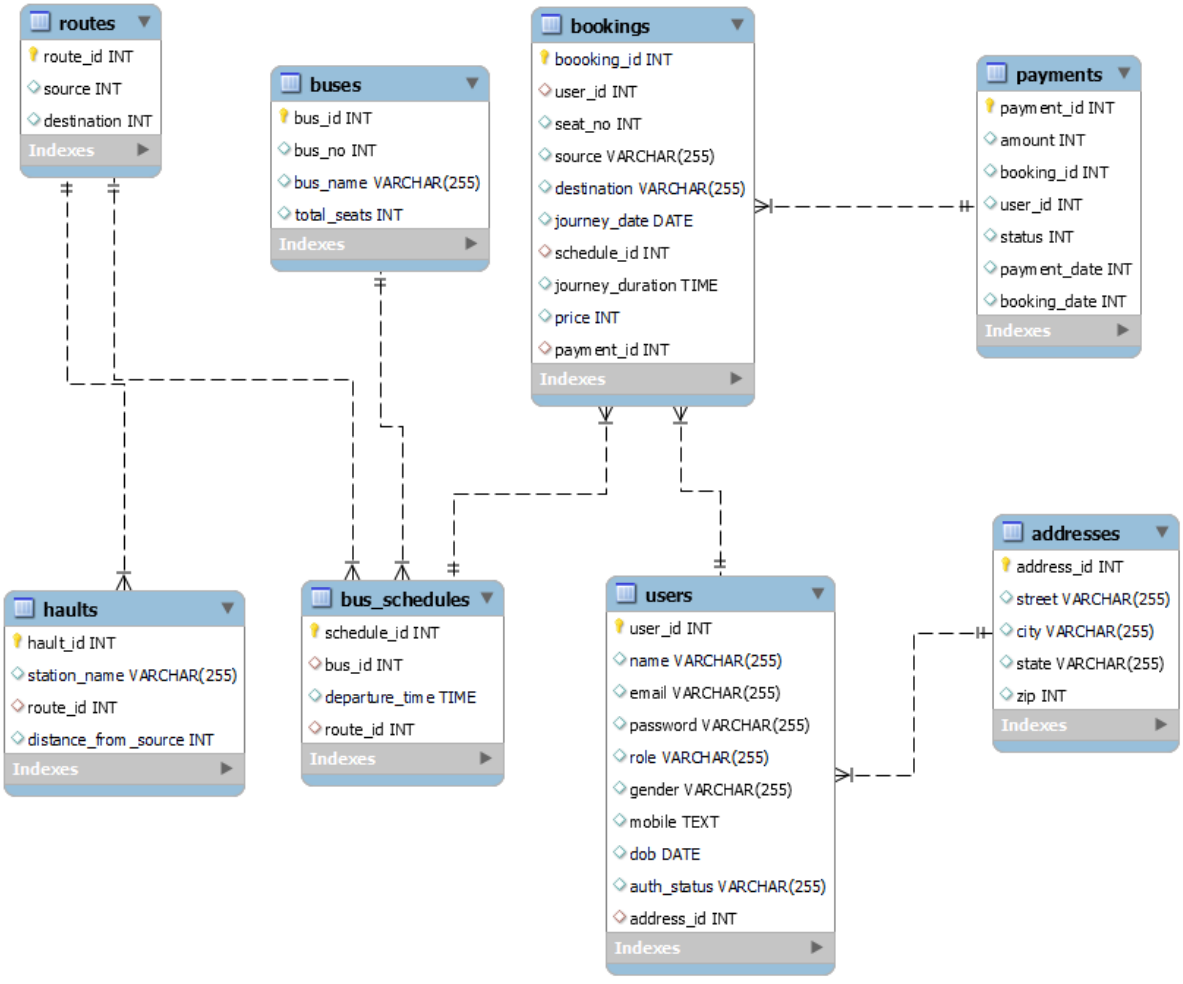
Project Name:Bus Booking System

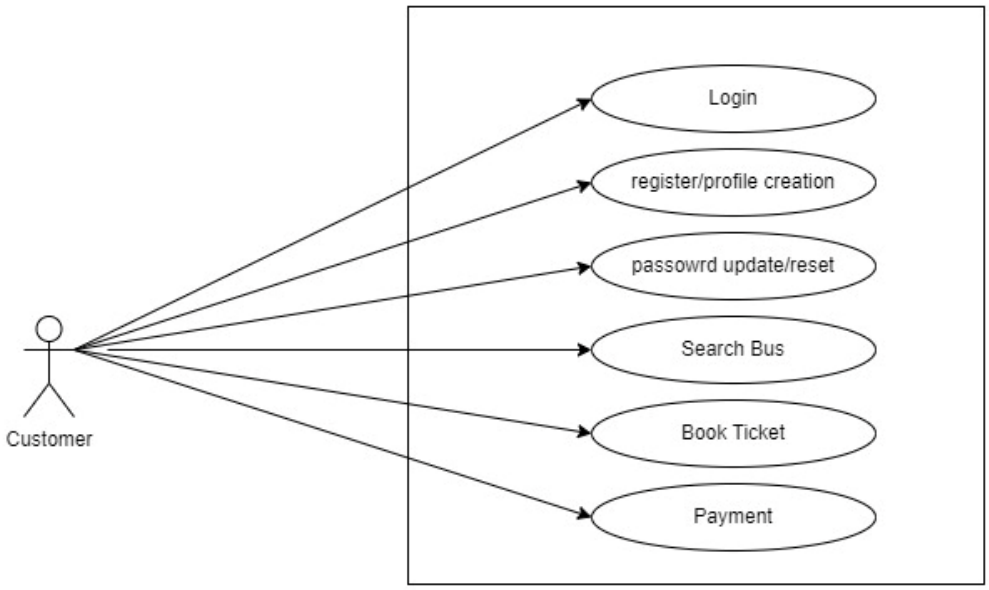
ER DIAGRAM



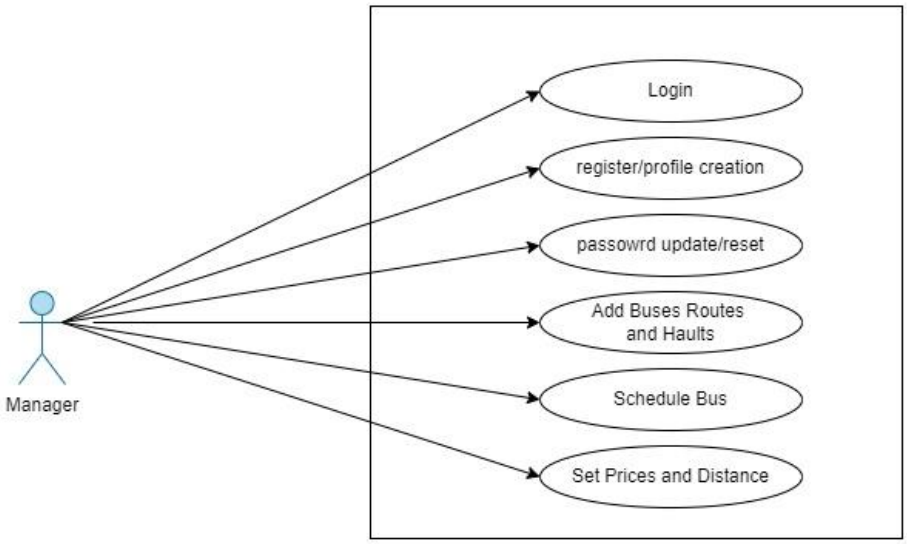
ER System Genrated DIAGRAM



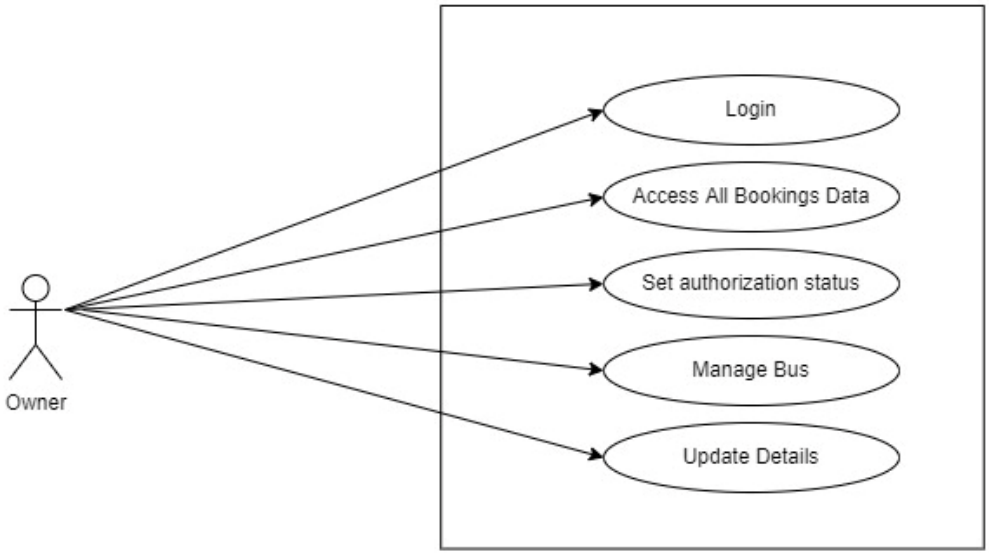
USE CASE DIAGRAMS



CUSTOMER USE CASE DAIGRAM



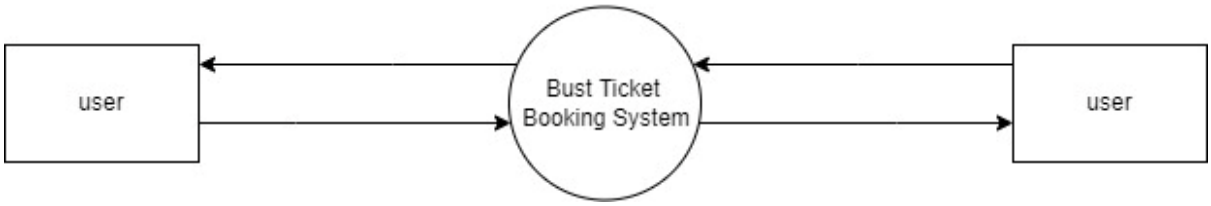
MANAGER USE CASE DIAGRAM



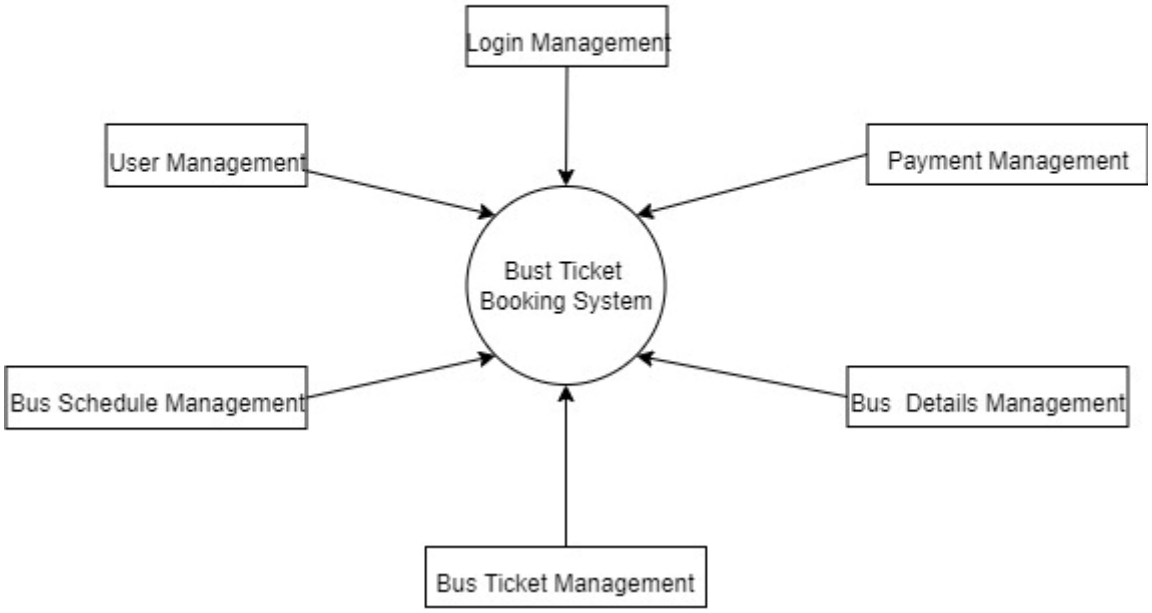
OWNER USE CASE DAIGRAM

Data Flow diagram:

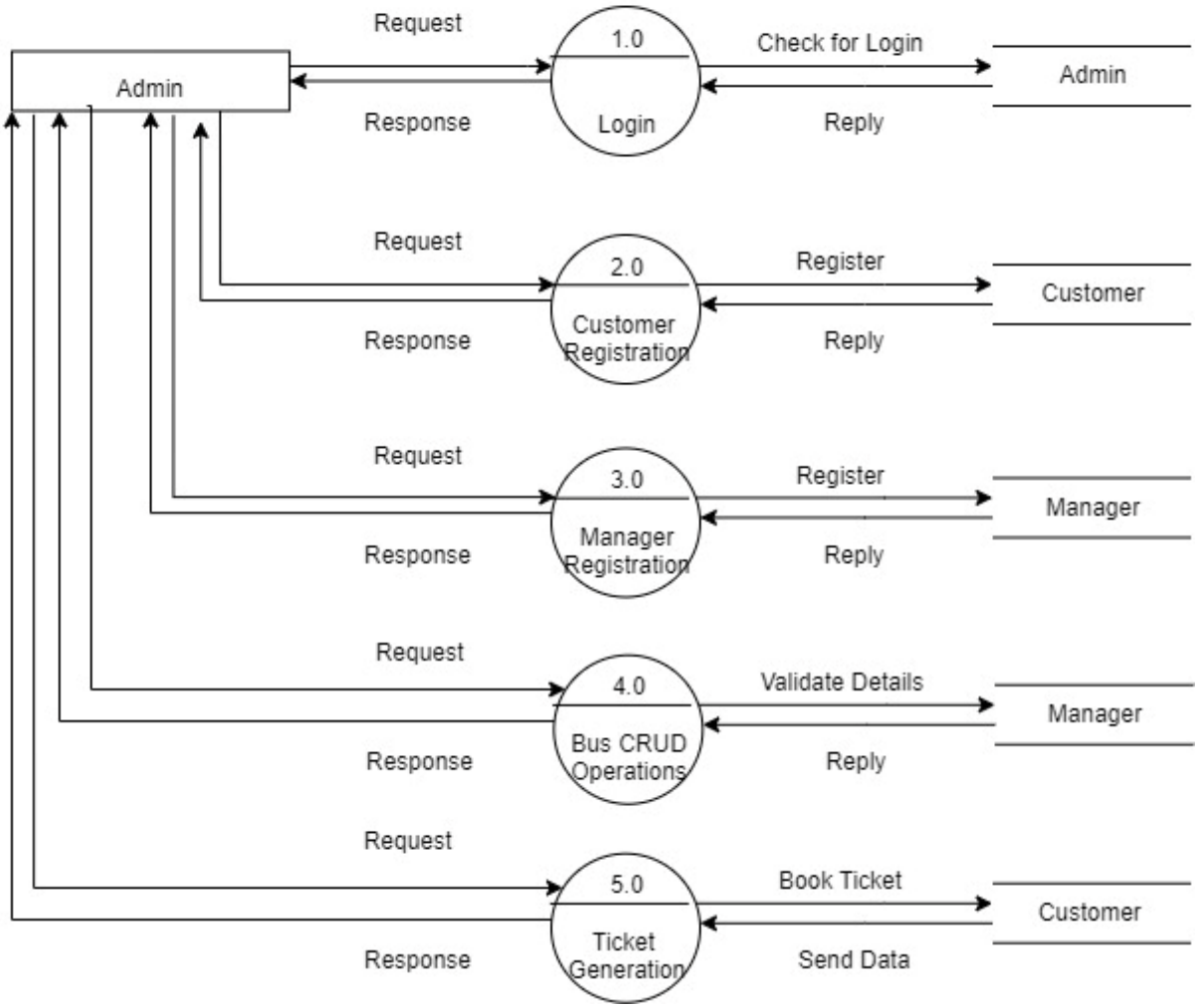
ZERO LEVEL DFD



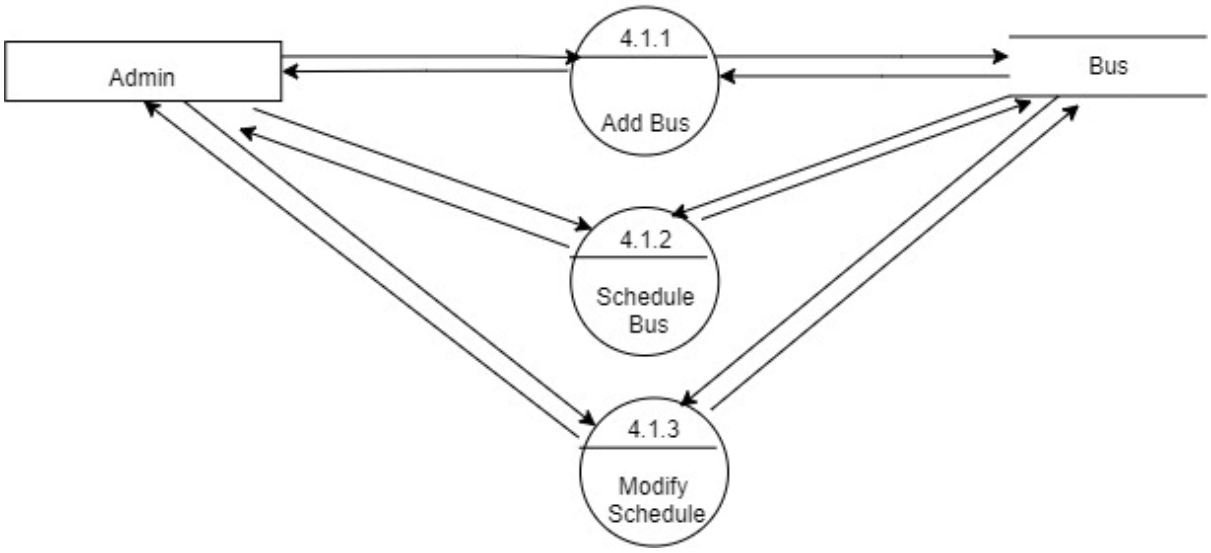
FIRST LEVEL DFD



SECOND LEVEL DFD

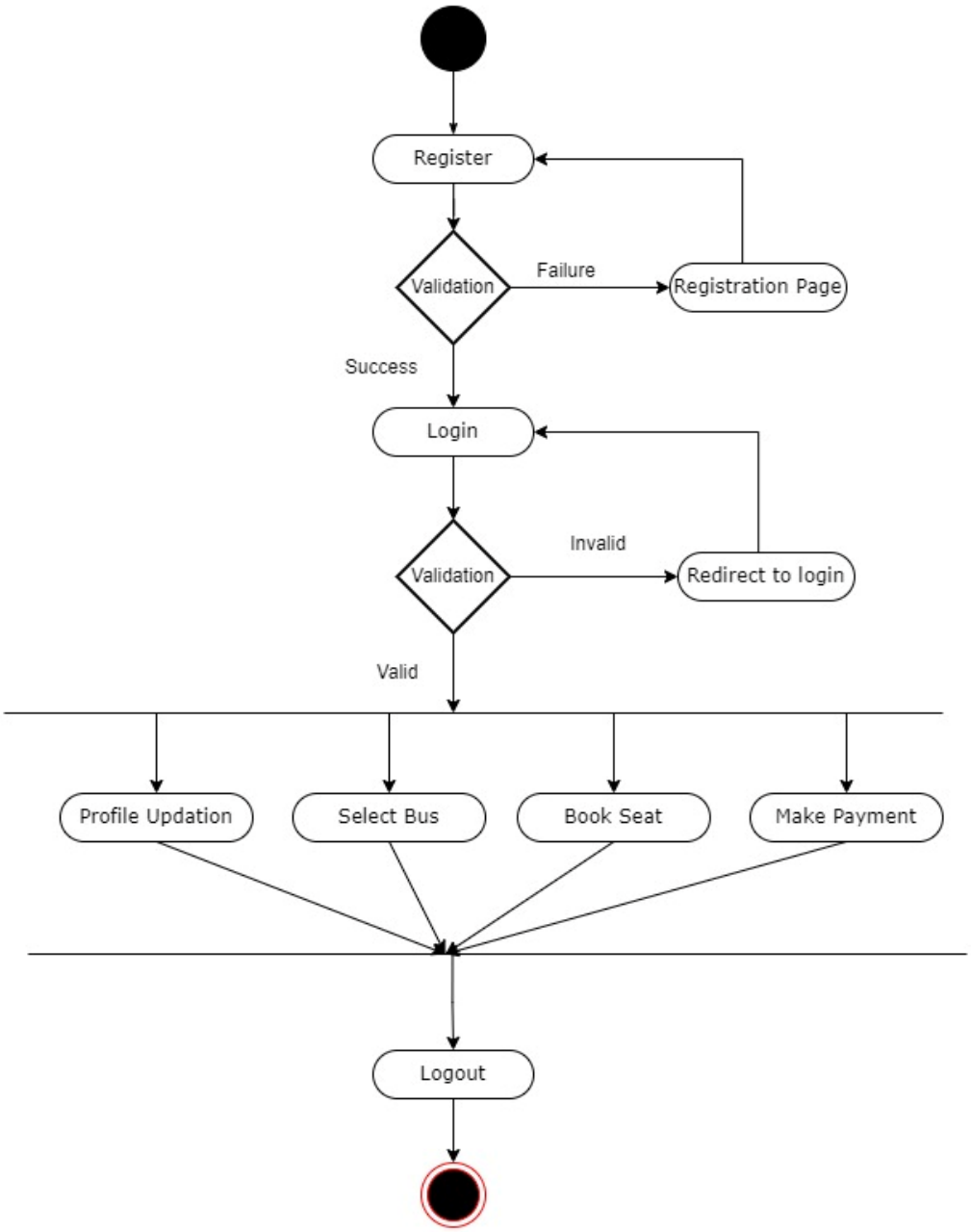


BUS DFD

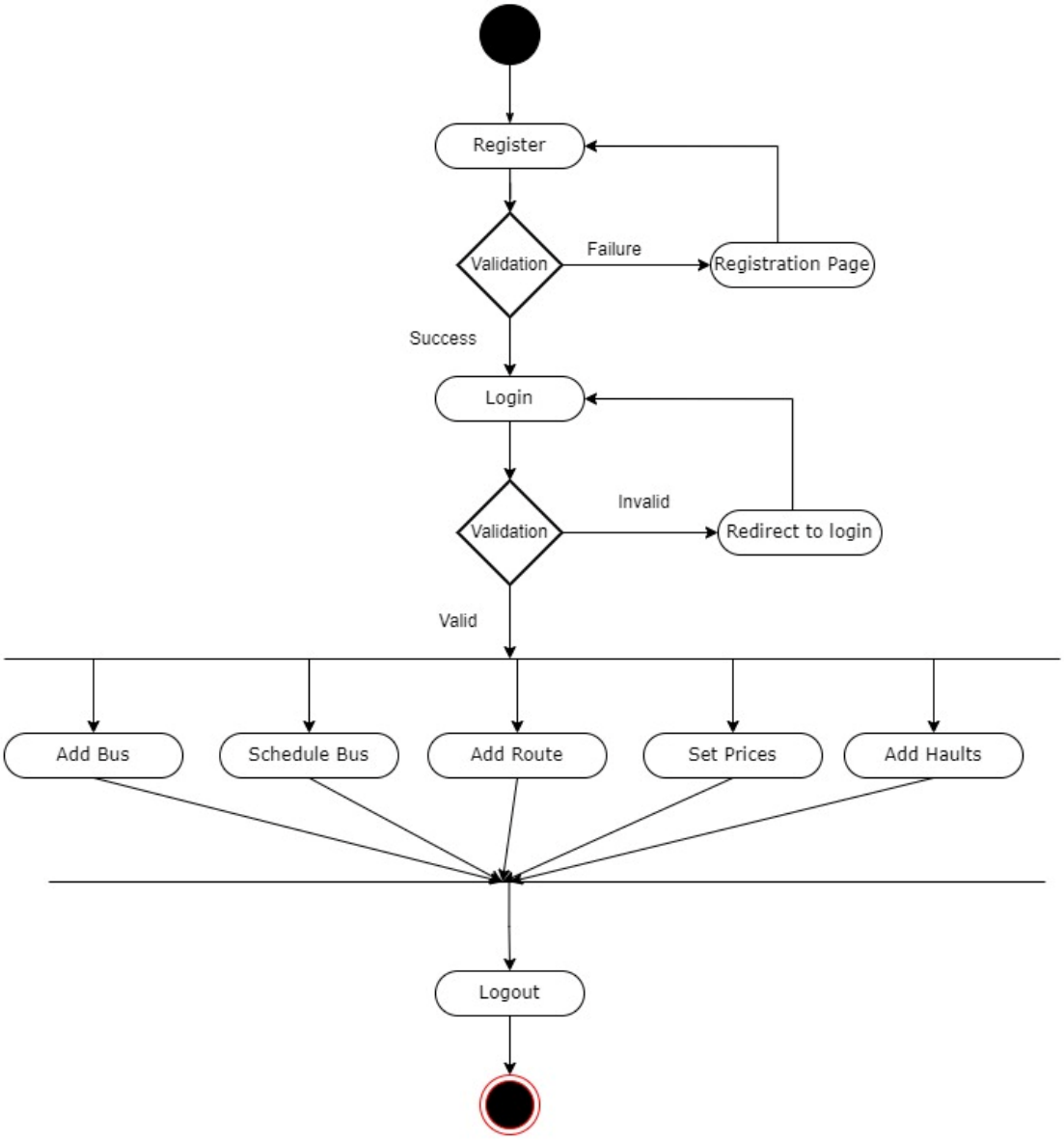


ACTIVITY DIAGRAM

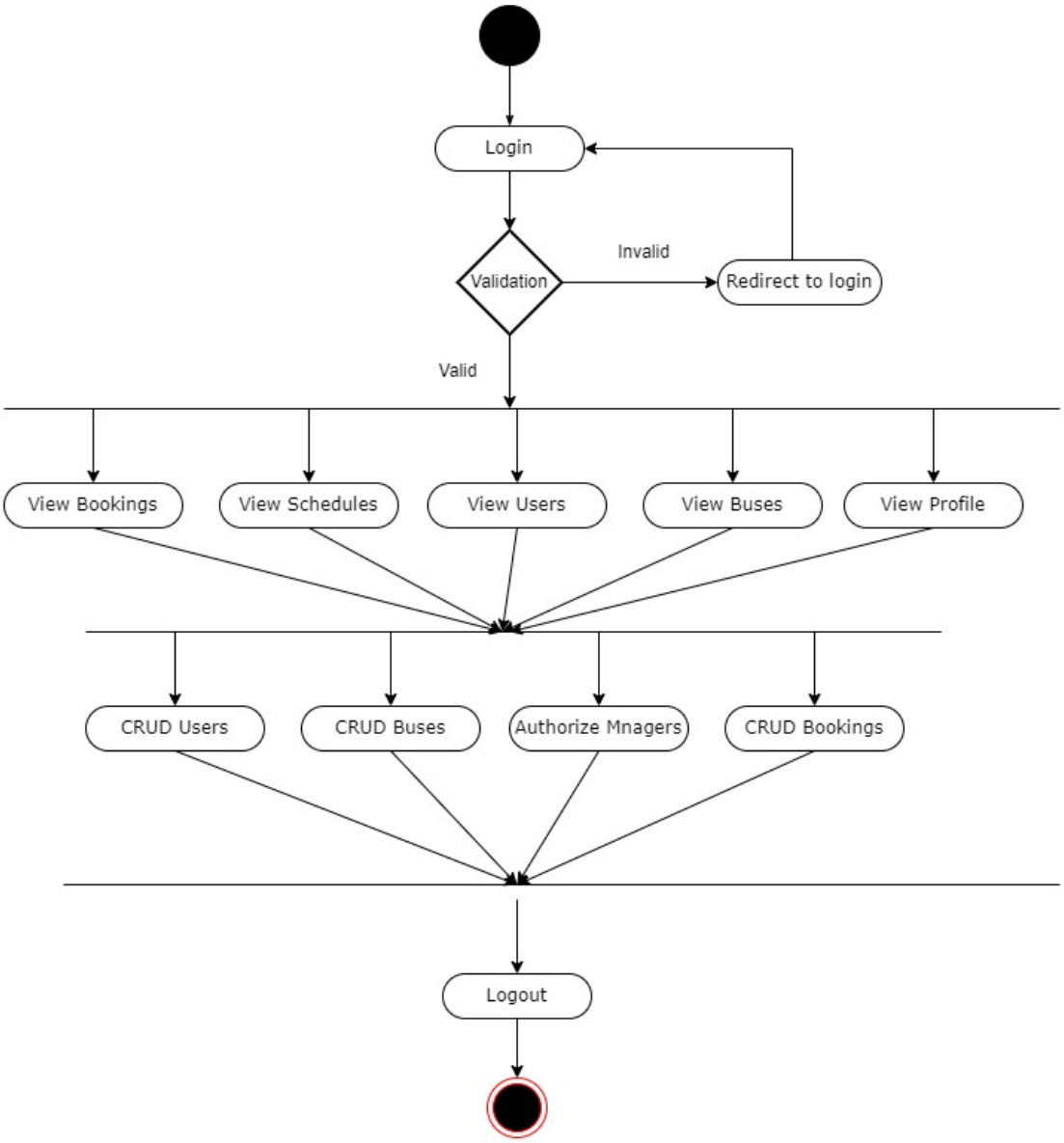
Customer Activity Diagram



Manager Activity Diagram



Owner Activity Diagram



Class Diagram

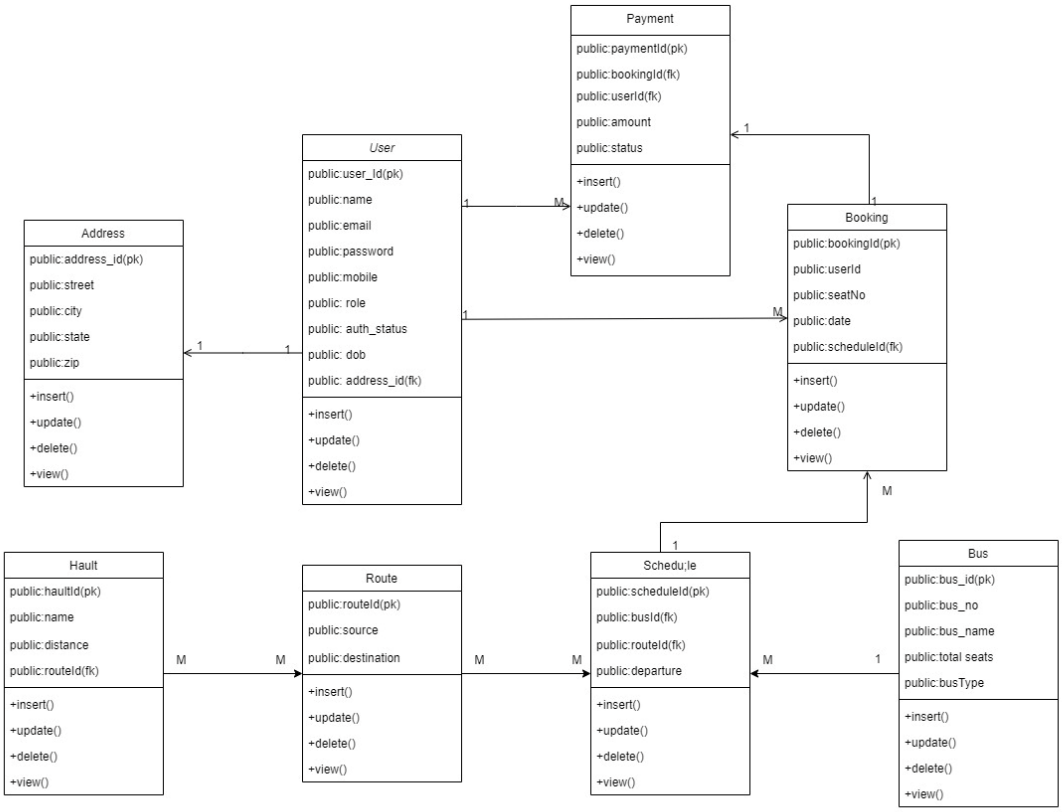


Table Structure

Users:

Field	Type	Null	Key	Extra
user_id	int	NO	PRI	auto_increment
name	varchar(255)	YES		
email	varchar(255)	YES	UNI	
password	varchar(255)	YES		
role	varchar(255)	YES		
gender	varchar(255)	YES		
mobile	text	YES		
dob	date	YES		
auth_status	varchar(255)	YES		
address_id	int	YES	MUL	

Addresses

Field	Type	Null	Key	Extra
address_id	Int	NO	PRI	auto_increment
street	varchar(255)	YES		
city	varchar(255)	YES		
state	varchar(255)	YES		
zip	Int	YES		

Buses

Field	Type	Null	Key	Extra
bus_id	int	NO	PRI	auto_increment
bus_no	int	YES	UNI	
bus_name	varchar(255)	YES		
total_seats	int	YES		

Routes

Field	Type	Null	Key	Extra
route_id	int	NO	PRI	auto_increment
source	int	YES		
destination	int	YES		

Haults

Field	Type	Null	Key	Extra
hault_id	int	NO	PRI	auto_increment
station_name	varchar(255)	YES		
route_id	int	YES	MUL	
distance_from_source	int	YES		

Bus_schedules

Field	Type	Null	Key	Extra
schedule_id	Int	NO	PRI	auto_increment
bus_id	Int	YES	MUL	
departure_time	time	YES		
route_id	Int	YES	MUL	

Bookings

Field	Type	Null	Key	Extra
boooking_id	int	NO	PRI	auto_increment
user_id	int	YES	MUL	
seat_no	int	YES		
Source	varchar(255)	YES		
Destination	varchar(255)	YES		
journey_date	date	YES		
schedule_id	int	YES	MUL	
journey_duration	time	YES		
Price	int	YES		
payment_id	int	YES	MUL	

Payments

Field	Type	Null	Key	Extra
payment_id	int	NO	PRI	auto_increment
Amount	int	YES		
booking_id	int	YES		
user_id	int	YES		
Status	int	YES		
payment_date	int	YES		
booking_date	int	YES		