

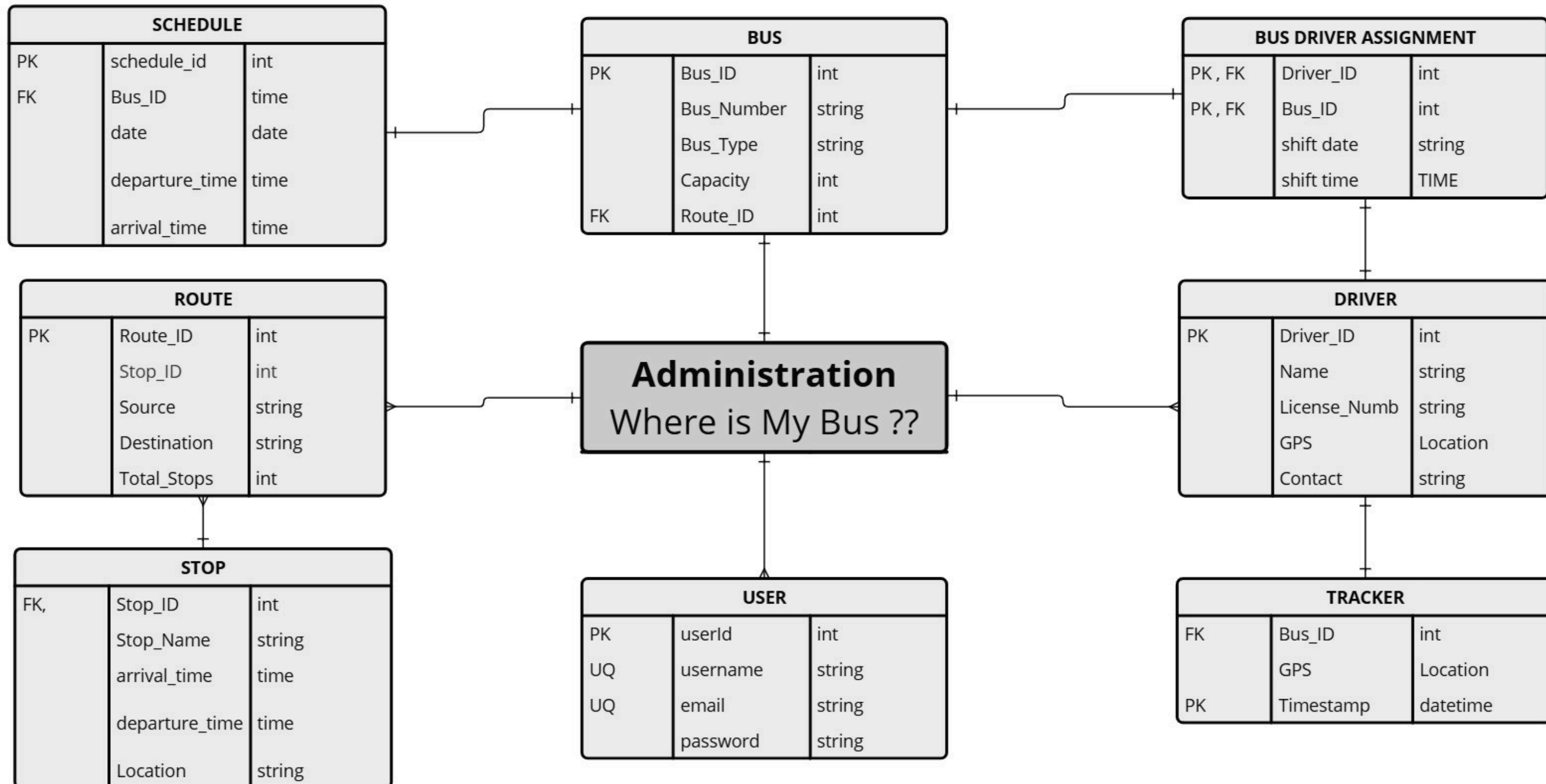
UNIFIED MODELING LANGUAGE (UML)



PROJECT: **WHERE IS MY BUS ??**

Track Your Ride, Anytime, Anywhere

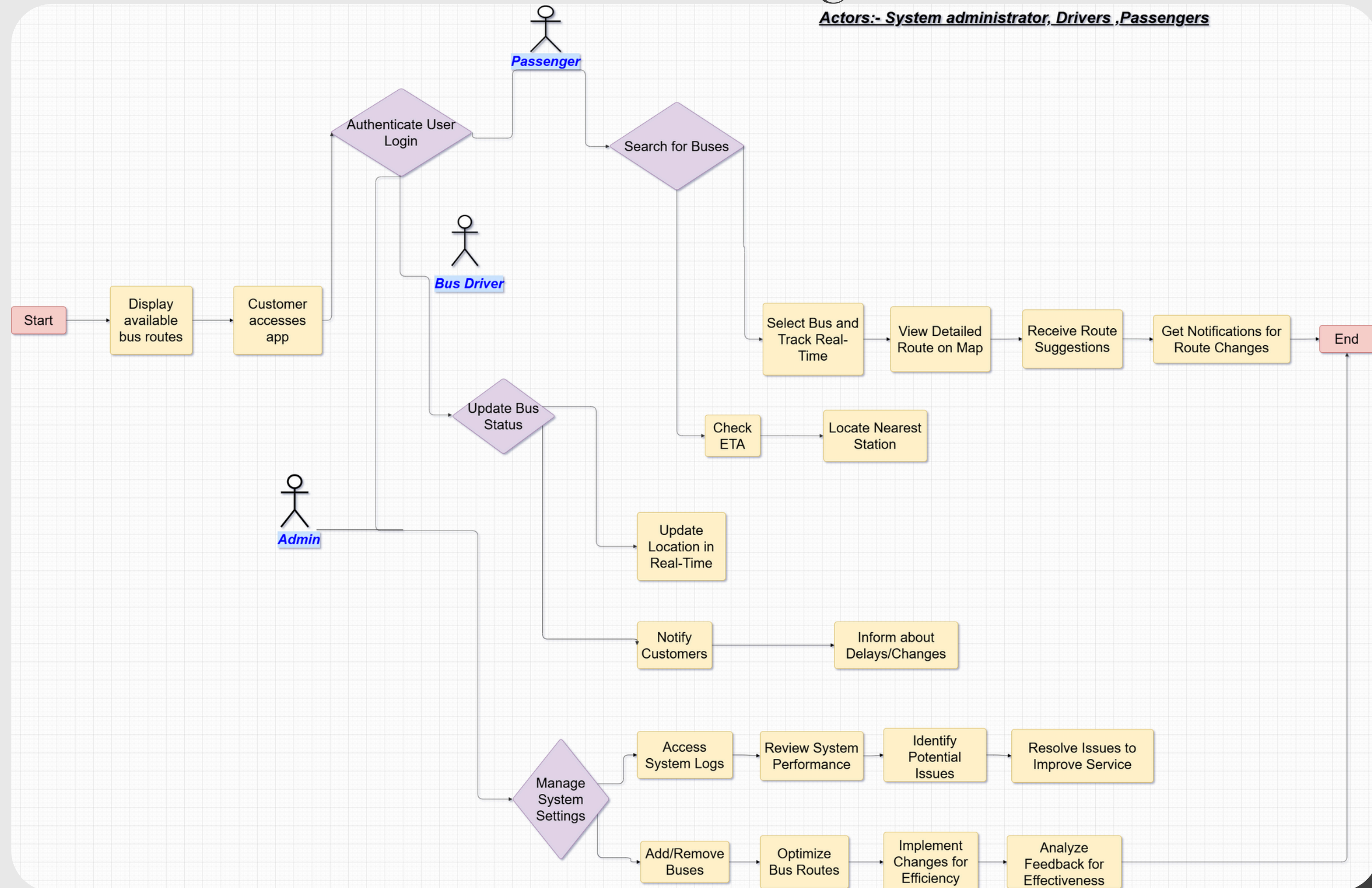
ER DIAGRAM



UML Use Case Diagram



Actors:- System administrator, Drivers, Passengers





DECISION TABLE

Condition	Bus Added?	Route Added?	Stop Added?	Driver Assigned?	Schedule Created?	Bus Reaches Stop?	GPS Updates?	Action Taken
New bus is added	Yes	No	No	No	No	No	No	Insert new bus record
New route is added	No	Yes	No	No	No	No	No	Insert new route record
New stop is added	No	No	Yes	No	No	No	No	Insert new stop record
A new driver is assigned to a bus	No	No	No	Yes	No	No	No	Insert driver assignment
A driver is removed from a bus	No	No	No	Yes	No	No	No	Delete assignment record
New schedule is created	No	No	No	No	Yes	No	No	Insert schedule record
Bus reaches a stop	No	No	No	No	No	Yes	No	Update stop details
Passenger boards a bus	No	No	No	No	No	No	No	Log passenger boarding
Passenger exits a bus	No	No	No	No	No	No	No	Log passenger exit
GPS tracker updates bus location	No	No	No	No	No	No	Yes	Insert location record
Passenger queries bus location	No	No	No	No	No	No	Yes	Fetch last known GPS data
A bus is removed from service	Yes	No	No	No	No	No	No	Delete BUS, SCHEDULE, and TRACKER records
A route is discontinued	No	Yes	No	No	No	No	No	Delete ROUTE, STOP, and update BUS records



Thank You