**DBMS PROJECT**

BUS RESERVATION SYSTEM

*This system is basically concerned with the reservation and cancellation of bus tickets to the passenger. This type of system is needed since the reservations and cancellations is too difficult to maintain manually. By computerizing it we can save time, get better efficiency and its easy to maintain.*

*We will have the following entities in the database: Admin, Passenger, Bus, Route, Bus Station and Bus Status.*

*Admin of the database can be more than one person. Each person will have attributes as ID and password and will be able to control Passenger, Bus, Route, Bus Station and Bus Status. The admin will be able to manage the bookings and cancellations.*

*The Passenger in the database will have the following attributes: Booking\_ID, Passenger\_Name, Age, Gender, Reservation\_Status, Booked\_By. The passenger can pick a date and book a bus accordingly.*

*The Bus in the database have the following attributes: Bus\_ID, Bus\_Name, Bus\_Type, Seats\_Availibility. Bus can be booked by the passenger and the passenger can see the bus no., bus name and seat availability. Bus data is needed by the passenger as well as the route.*

*The Route in the database have the following attributes: Source\_distance, Arrival\_Time, Departure\_Time. Route can be seen by the passenger it will provide the passenger with arrival, departure and distance. Route data is needed by Bus Station as well as Bus.*

*The Bus Station in the database have the following attributes: Station\_ID, Station\_Name. Bus station can be viewed by passenger to get the name of the source or destination station name. Bus station data is needed by the route as well.*

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