Organisation Background

      The business organisation that we've chosen is GoGo Bus Company. GoGo Bus Company is a profit organisation which mainly provides services in the express bus industry. GoGo Bus was founded in 1995 by Ng Wei Chun, the CEO of GoGo Bus. This company has been steadily growing its market share due to the increase of customers needing safe, reliable and timely transport to and from Genting Highlands from Penang. GoGo Bus Company is considered as a small business organisation which has 2 offices. One of the offices is located at Genting Highland while the other is at located at Penang.
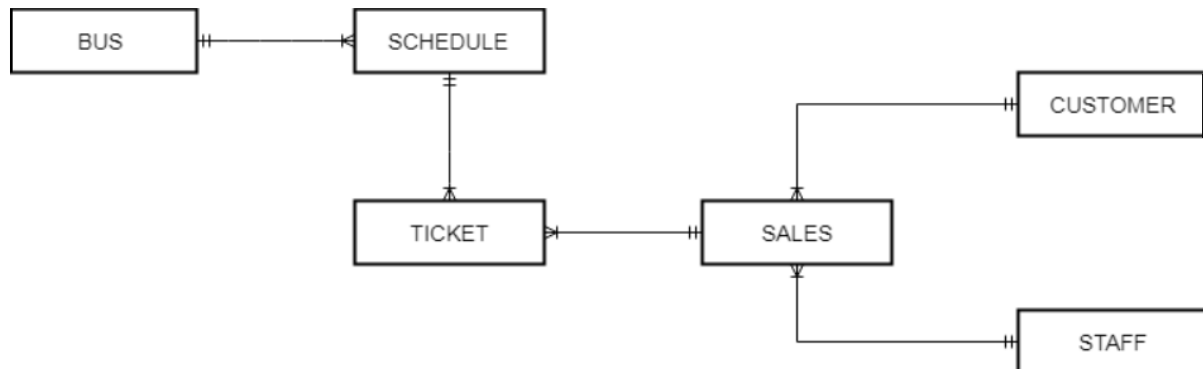

Deluxe Bus Model

Business Rules

1. One bus can have one or many schedules.
2. One schedule can only for one bus.
3. One schedule can have one or many tickets.
4. One ticket can only one schedule.
5. One ticket can only be sold to one particular customer.
6. One sale can contain one or many tickets.
7. One ticket can only be considered only one sale.
8. One sale may only be handled by one staff.
9. One staff can handle one or many sales at a particular time.
10. One sale can only be considered only one customer.
11. One customer can have one or many sales.
12. Bus tickets cannot be refunded 3 days before the departure time.
13. Bus Ticket refund on day fourth, fifth and sixth before departure time will charge 50% of the ticket price.
14. A customer is not allowed to refund more than 3 tickets in a month.

Entity-Relationship Diagram (ERD)

Database Design Language

Bus   (<u>BusID</u>, Model, PlateNumber, Colour, TotalSeat)

Schedule (<u>ScheduleID</u>, DepartureTime, DepartureDate, departurePoint, Destination, WeekDay, *BusID)

Ticket   (<u>TicketID</u>, Price, SeatNumber, *ScheduleID, *SalesID)

Sales   (<u>SalesID</u>, S_Date, S_Time ,*CustomerID, *StaffID)

Customer (<u>CustomerID</u>, CName, CAddress, CAge, CGender, C_email, CPhoneNumber, CIdentityCard)

Staff   (<u>StaffID</u>, SName, SAddress, SAge, SGender, S_email, SPhoneNumber, Salary, EmploymentDate, Job_Title, working_hour)