**Requirements**

**Application:**

1. An application that where Customers can request a taxi, from currently available taxis, and let them have a personal reservation number for their taxi reservation.
2. If a taxi is reserved, no one else should be able to reserve it.
3. An application where Employees can login to their accounts and see their information and what is currently stored on the database about them.
4. An application where Supervisors can login to their accounts and see what station they supervise and all the employees they supervise separated by their profession, such as mechanic, cashiers, etc.
5. An Administrator account where the Administrator can add, and delete vehicles, and has the capability of adding, and deleting employees from the database.
6. The application should properly be able to display the company’s contact information, and should have a place for users to submit complaints.
7. The application should be able to display bus routes for people looking to use the transit buses.

**Database:**

1. Every Vehicle should have a unique Vehicle id
2. Every Employee should have a unique Employee id
3. Every Station should have a unique number and name.
4. One Supervisor per station so every supervisor should have a unique station number
5. Supervisor should be able to get number of employees that work for them.
6. Every Employee, Supervisor, and Administrator should have a user name and password
7. Every Employee should have the information of the years they’ve worked for the company
8. Every Employee should have their hourly wage stored on the database
9. Every Employee should have a first name, and last name in the database
10. Every Employee should have their address in the database
11. Every Employee should have their station ID in the database
12. Every Employee should have a supervisor ID in the database
13. All Bus stops should be stored into the database with information including the departure and arrival time. It should also have the location. These Locations should have a stop number.
14. There should be a place in the database to store fares, the amount of the fare, the date of the trip, and an identifying Fare number.
15. All routes should be stored in the database, with the information of Route number, Date of route, distance, an estimate of how long it takes to complete the route, and the number of stops.
16. Every private bus should have a start location, end location, fare, number of seats or capacity of the bus, driver id, and a bus id that matches the vehicle id.
17. Every public bus should have a station number, current stop, next stop, Route number, bus number, driver id, and a vehicle id.
18. Every Taxi should have a Taxi id, and the number of seats or its capacity.
19. Every driver should a Bus license number, bus number assigned to them, and an employee id.
20. Every Janitor should have a station number and employee id.
21. Every Mechanic should have a place to show what they work on as in what type of vehicle they can work on bus or car. They should also have an employee id.
22. Every Cashier should have a Register Password, and an Employee id.
23. Every HR person should have a number of complaints, and an Employee id.
24. Ever Repair Log should have Date the work started, the worker id of the one working on the vehicle repair, the id of the car being repaired, and the type of issue stored in the database
25. Every Station should have a station number, station name, capacity, Number of Employees that work there, Supervisor id, street, and city.
26. Every vehicle should have a make, model, year, and vehicle id.