The database that we are designing in Project Trash will keep track of the employees, departments in which they work, and partners associated with our company. Following are the requirements for the database:

1. We want to store and query information for the database for the employees, departments and our associated partners.
2. Each Employee has a Name(FName, LName), SSN, Phone, DOB and Address.
3. For each Department, We shall keep track of Dept\_Name, Dept\_ID, Location and Phone.
4. The database shall keep information about Partners which has a Company\_ID, Company\_Name, start\_date, type and phone.
5. Employee has two main typed based on the working time-Full\_Time and Part\_Time. We shall keep track of hours worked by Part\_Time employee. Full\_Time employees has two main types based on their way of getting paid-Salary and Hourly. We shall keep track of salary amount for Salary Full\_Time and hours worked by Hourly Full\_Time. A Salary Full\_Time Employee manages a department. When a employee starts managing the date when the employee started is recorded.
6. Every Department has one or more employees associated with it. Department has several types based on their specialty. Among all, two main types are Tech\_dept and Sales\_dept. Tech\_dept has three types-Banner\_dept, App\_dept, and Maintenance\_dept. App\_dept must have create\_fit\_app for one or more partners. Banner\_dept must have create\_banner for one or more partners. Sales\_dept has two main types based on their assigned work-Buying and Selling.
7. Partners have two main types-Buying\_Partners and Selling\_Partners. A Buying\_Partners can also be a Selling\_Partners and vice-versa.
8. Buying Sales\_dept has one or more Buying\_Partners linked with it and Selling Sales\_dept has also one or more Selling\_Partners associated with it.
9. Every Employee shall have at most one supervisor and one or more supervisee, they have as supervison.
10. Department shall keep track of Volunteers which has a Name and Email. Many Volunteers shall work on one or more Departments.
11. Employee shall have one or more Dependents associated with it which has a Name, Sex and Age.