**Project Questions**

1. Can you think 5 more rules (other than the one explicitly described above) that are likely to be used in a company.

(i) Company needs to keep track of the inventory for the parts. If the inventory is running out or is lower than a certain threshold, then the company places an order with the vendor.

(ii) The system should not allow a certain product to be produced if there aren’t enough parts to make it.

(ii) The employees can be compensated for overtime pay if the number of hours they work exceeds the required amount.

(iii) The existing employee can’t apply to the same position that they are already in and the employee must have worked a certain period of time in the company before seeking a promotion.

(v) The system should automatically select vendors that offer the lowest price for a particular part.

1. Is the ability to model super-class/subclass relationships likely to be important in such environment? Why or why not?

Yes, the ability to model a super-class/subclass relationship is important in this kind of environment. This is because there are three types of people in this environment that share common attributes. We can make a person a super-class and employees, potential employees, and customers as subclasses because they have shared attributes as well as their own unique attributes specific to their roles.

1. Justify using a Relational DBMS like Oracle for this project.

It is beneficial to use a relational DBMS like Oracle for this project because a relational database ensures data integrity and any changes made are consistent and accurate throughout. You can also explicitly define the relationship between each entity. It also scalable and can handle large amounts of data. It is also possible to backup and recover any corrupted files or unwanted changes made to the database.