

Project Initiation

Student's name:

University Affiliation:

September 21, 2020

Phase 1: Project Initiation

Client Information

The client wants to open an automobile repair shop and carwash service. Being the proprietor of the business, he will be in charge of all operations and hold the director's position. His key responsibility will be management and oversight at an administrative level and supervision. Employees will handle technical roles and implementation of operations. I contacted Mr. Smith Williams on September 21, 2020, to hold the initial discussions on the database system he requires for the successful operations of his shop.

Abstract:

My client needs a database that stores details about employees, suppliers, spare parts, and customers. The client wants to store contact information, the department they are assigned to, and a record of days they report to work for employees. For suppliers, the client wants contact information and the items they supply to the shop. For spare parts, the client wants descriptive information and an inventory of all spare parts that can be updated daily. The shop wants to store contact information, descriptive information of the vehicle presented to the shop, and the service offered for customers.

Business Rules:

1. The business has only two departments; mechanics and carwash departments.
2. A department has one or more employees.
3. Each department offers a service independently.
4. A customer can have many invoices.
5. Each listed supplier must provide at least one item to either department.
6. Each supply used in either department must have a Stock Keeping Unit (SKU) code.
7. All machinery used must have a Universal Product Code (UPC).

Queries:

1. A director requires a full list of all employees that work at his shop, grouped by department.
2. A departmental head needs to create a list of all machinery in their department.
3. An automotive engineer needs a list of all spare parts and tools available.
4. The director needs to know the number of vehicles handled by each department daily.
5. A customer needs to digitally schedule a service session or a car wash for his/her vehicle.