Group -14

Members- 2020120{53-56}, 2020180{27,28}

Database Management Project

**Title:** Database for managing the warehouse part of a online business.

**Scope of Database:**

Our job is to manage the data regarding the storage and shipment of the goods across many warehouses.

We’ll be dealing with the inflow and outflow of goods from suppliers to warehouses to customers.

But we won’t be dealing with the data regarding how the goods arrives at the warehouse.

Supplier -> Warehouse -> customer

|----------- our scope --------|

**Description/Requirements:**

* There are many warehouses in many cities.
* There are many suppliers supplying items to the warehouses.
* An item can be supplied by many suppliers to different warehouses.
* A customer can order different items of different quantities.
* Payment can be made by either cash or online.
* Employees work at a particular warehouse , they can be either a worker, manager, driver etc.
* The delivery of an order is done by vehicles.
* It must store details about the following:
  + Warehouse – name, city, capacity, manager.
  + Supplier- id, name, number.
  + Employee – name, salary, number.
  + Item – type, cost, name.
  + Item type – name.
  + Transport – date,vehicle, driver.
  + vehicle – number plate.
  + Order – quantities of different items, order time, delivery time.
  + Payment – type, amount, status, account no.

**Queries that the database system should be able to answer:**

1. Find the supplier of a faulty item.
2. List suppliers according to there total sales in last month.
3. Find the driver who delivered a given order.
4. List all the customers who have ever ordered a given item.
5. List all the unique items ordered by a given customer.
6. List all the warehouses at which a given item is available and in how much quantity.
7. List all the details about a given order, like who is the supplier, who is the customer, who delivered it etc
8. List all the customer to whom a given driver has delivered in last week.
9. List all the Orders that are unpaid with there respective customers.
10. List all the managers of all the warehouses.