



BIRZEIT UNIVERSITY

Computer Science & Computer Engineering Department

DATABASE MANAGEMENT SYSTEM

Comp333

By : Dr.Shatha Ajaj

Phase 1

Group Member's :

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Concrete Plant

- ❖ Customer have SSN , Address , Name , Phone ,Manager ID .
- ❖ Product have Name and Price.
- ❖ Employee have SSN, Address , Name ,Phone.
- ❖ Manager have Manager_ID , Phone , Adress , Name.
- ❖ Drivers have Driver_ID , Manager_ID , Name , Phone , Adress.
- ❖ Car have RegNumber , Car_type , Car_Color , Driver ID.
- ❖ Order have Order_ID , Driver_ID , Customer_ID , quantity , Order_Date .
- ❖ Manager communicate with one or more Customer.
- ❖ Every Customer can place one or more Order.
- ❖ Manager manages one or more Drivers.
- ❖ Every Driver can delivers one or more Order.

Information for a Project :

The idea is generally about a concrete plant, which has many entities that are characterized by their tasks so that the process of producing concrete and selling it to customers is done well. The first of these entities is the product (concrete), which is distinguished by their Name from the rest of the concrete such as (concrete 300, concrete 400), where they are produced and placed in the cars dedicated to the transportation of these materials so that the cars are characterized by the RegNumber , so that the cars are one of these entities, and there is also the employee entity that is divided into two entities, which are the drivers and the manager, and there is also the customer entity.

The process is carried out as follows : The customer is contacted with the manager so that a certain amount of concrete is agreed upon with its distinctive Type and a specific Address is determined by the customer to send the product there and therefore a new entity with a Name (orders) is

formed in which the Location, Quantity and Type of Product are Determined, and then the manager communicates with the driver who has a distinctive Number and a Name and is Linked to a specific transport vehicle through its Number to transfer the product to the specified Location, so the production process has been completed and the product has been transferred to the customer.

And we need use in this Project The language we know and create with is Java Language with JavaFX .

Information about the factory that I contacted :

Shamasneh Factory – Ramallah – Rafat Road

With Eng Abdallah Tabtab