

**Faculty of Engineering & Technology**

**Electrical & Computer Engineering Department**

**DATABASE SYSTEMS**  
-COMP333-

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**Phase 1 & 2**

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# **Abstract**

A management system for pharmacies, to organize the work of employees and the categories that contain items from several supplying companies, making orders and discounting through insurance, financial management, and a monthly report for the system.

# **DB Requirements**

* The Pharmacy has a phone, address and a name.
* There is 2 kinds of employees in the pharmacy, the contract who have paid amount and the hourly employee who have the hour price and how much horse he worked.
* Both are employees and have an ID, name, birthday and date of employment.
* Every order is done by an employee and has an order ID.
* There are 2 kinds of orders, cash order which has a date only, and insurance order which contain the name of the costumer and customer insurance id.
* Every insurance has a discount form insurance company which has a name and discount percent for its employees.
* Every order has many items and every item is available on more than on order, and have the full sale price, full original price and the quantity.
* Every item has a name, barcode, quantity, description, sale price and original price.
* Every category have many items, a name, cat id and number of items.
* Provider companies has a phone number, name and an address, and it provide many items.

# **ER-Diagram**

https://drive.google.com/file/d/1KUjZ4Y5UzfwfBeXlMfWILhwRxG4ycz3Z/view