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**Lab3**: Stock Management System

Stock management is the practice of ordering, storing, tracking, and controlling inventory. Stock management applies to every item a business uses to produce its products or services – from raw materials to finished goods. In other words, stock management covers every aspect of a business’s [inventory](https://debitoor.com/dictionary/inventory) .Stock management may also be called stock control, inventory management, or inventory control.

Classes with attributes are as follows:

* **Manager**

- id, name, phone\_no, email,address

* **Owner**

- owner\_id, name ,email, phoneno

* **Order\_details**

- order\_id , stock\_id , quality, amount, order\_date, delivery\_date

* **Supplier**

- supplier\_id , name, address, phone\_no, email

* **Product**

- product\_id, product\_name, price, mfg\_date, expiry\_date

* **Stock**

- stock\_id, stock\_type, stock\_description, date, no\_of\_products

* **Inventory**

- inventory\_id, inventory\_description, inventory\_type

Functions of these classes:

* The owner has a manager and manager the inventory. The owner can order, sell stock. He can make payments, report quality issues, return stock and track his orders.
* The manager maintains a ledger, does quality check and reports to the owner.
* In the inventory we can add, remove, edit and search the inventory. We can calculate the required and expired stock
* The order details contains details of the order
* The stock can be viewed, edited, added and removed.
* The supplier tracks order details and supplies the stock and receives payment.
* A product is added, removed, modified. The details of the product can be viewed