

Deliverable 1 - Project Description

Scenario: Our scenario is to have a stocking inventory system for a restaurant. It has a restaurant (or restaurants, we haven't decided yet), several companies that distribute to the restaurant(s), and they distribute/receive through deliveries (the deliveries costs are imposed by the companies in addition to the cost of the products). The stocking system will allow users to easily monitor their products and make the accommodating changes as they please for "easy" to use interfaces (through the console).

Design Paradigms:

- Ability to Add, Remove or Alter the items in the restaurants produce and other object database.
- Action to send out requests to companies for shipment of necessary products.
- View and monitor the current stock of items
- Alerts when stock of certain products reach a specific amount in the database
- Track the status of the orders once the requests are sent out to the companies
- View history of orders of the restaurant up to a specific amount of orders (e.g only can view the last 50 orders)
- Database administrator can alter the permissions and restrictions depending on the position of the user within the restaurant
- Login interface for different positions within the restaurant
- Search inventory through name (in command prompt)
- Ability to create a new profile within the stock management system or login into a pre-existing profile
- A very basic account interface to keep count of the money spent

Expected Output:

- The command prompt interface
- The list of current inventory
- Delivery dates, time, quantity, and other relevant information
- The different companies, what they offer, and other pertinent information
- The money spent on various products (quantities and prices)
- History of past inventory/purchases
- Login for users
- Sign up

- Ordering inventory (for higher up users such as managers)
- etc...