**Grocery Mart Operations**

My term project is an application for grocery store manager to check, update and sell inventory; in this case I am taking Hannaford as an example. I have considered two stores (Hannaford Marlboro and Hannaford Northboro), but application can be scaled for any number of stores. Application allows Store manager to

1. Check store inventory (Milk, Eggs, Apples), verify availability of items and also get information on where a particular item is present (which isle)
2. Order more inventory. If manager finds store is running low on items. Manager can order items using application. Application also makes sure manager doesn’t order more than store can accommodate (I have defined max threshold for each item)
3. Sell items to consumer. Application returns the bill and total dollar value when manager inputs consumer purchased items and their quantity. (I have defined unit price in my dataset for each item)
4. Switch between stores. Application is generic and can be used at multiple locations of Hannaford. Manager can select store location of her choice
5. Look at all the items. Manager can look at all the items that Hannaford sells irrespective of location.
6. Look at items present in particular location.

Application is relevant to any retail manager who manages numerous items across different stores. Application helps manager to make sure all items are available anytime to provide best customer service and increase profit. This application is useful to manage everyday requirements of a retail store.

Application can be scaled to any number of stores and items. For this term project I have limited it to 2 stores and 7 items. Given time I can add more features like labor scheduling, out of stock alerts, expiry date information.

I have added 7 choices to store manager in the code.

1. Check Inventory
2. Update Inventory
3. Sales
4. Switch between stores
5. Display items from a store
6. View items from all stores
7. Exit application

And used to 2 data files in JSON format, which contain Item name, Quantity, Price and Unit information.