1. **Background information of Current System:**

Get Fresh Food is a supermarket store operating with a large variety of products. It has been following traditional way of operation which requires the employees to take count of stock, order goods and label prices manually. The supermarket is facing lot of problems due to manual errors and human carelessness.

The supermarket opted a hierarchical method of performing tasks with efficient staff working in two shifts.

**2. Current Business System :**

* The **Owner** of the supermarket gives instructions for setting product price ,update function. Even he can access any report.
* The **Branch Manager** handles many operation of the store i.e. sets the price for each product, classifies the products on the basis of sale and writes special report in case of lost or damaged goods.
* The **Promoter** maintains the goods on display, removes damaged or expired goods from the shelf and replenish with fresh ones. Promoter is required to label each product with a price tag and the shelf..
* The **Store man** prepares goods order list, maintains a set of inventory record for all the goods, returns damaged or expired goods to the supplier and updates the inventory by End-Of-Day.
* The **Cashier** checks products selected by customers, enters price of the products into cash register, collects two receipts of list of items bought by the customer and the total amount payable generated by the cash register, collects money from the customer and keeps the receipts. At the end of their shift, cashier is required to tally the money, collate all the items sold and pass on the End-Of-Day sales record to store men and branch manager.

**3.Problems in the Current Business System:**

* All the work done by the staff and owner is **manual** i.e entry of damages/expired items,making end-of-day sale report ,entry in cash register for sold item etc.
* There are many places where **human errors** are detected like error in price labelling, Monthly inventory check etc.
* There is no Centralization of system for the staff . Because of this the store men might consider that any discrepancy could be due to mistake made by the cashiers when they record sales or by the promoters when they withdraw goods from the store.

**4.Solution for current problem:**

* Providing a Centralized system: which will be accessed by the store as well as supermarket staff ,which will reduce the occurrence of discrepancies in sales & inventory record and variation.
* Automation of a lot of work done by staff.There will be less chances of Human Errors and work load.

**5a.Activities covered in Proposed System:**

The new proposed system will deal with Authorisation and authentication of users.User can access data from centralized database ,but usage of every user has been limited by authorization.This system will maintain a backupnode so that in case of crash, data can be recovered.

* **Promoter’s part automation:** Checking goods running out on display (ex.start of the shift-end of shift-expired items during that shift)checking expired item,Generate price tag.
* **Cashier’s part automation:** billing, receipt for customer,Generation of End of the day report.
* **Storeman’s part automation:**update inventory, placing order with supplier,update expired and damaged item,maintain inventory in store.
* **Owner’s part automation**: setting out prices of products,
* **Branch Manager’s part automation:** issue product form reflecting with new price and new item,classification of goods (fast,medium,slow moving out),
* **Customer’s part automation:**Pay by Card(optinal)
* While building this system we kept future growth of business in mind.As a lot of manual work has been automated,so same number of staff can handle work load because of business growth.There will be less need of hiring human power.

**5b.Out Of System**:

* + Assigning shelves of a set of product to the Promoter,Arranging Shift staff,recruitment of staff.
  + Removal of damaged/expired Items from the store for replenishment will be done by the Promoters manually . When goods are running low, collection of goods from store and displaying it in the shelves is also handled by promoter.