# Super Market Billing System

## Project Overview

## Description :--

Supermarket is the place where customers come to purchase their daily using products and pay for that. So there is a need to calculate how many products are sold and to generate the bill for the customer.

In our project we have 2 users. First one is the administrator who will decide the taxes and commissions on the products and can see the report of any product. He is the one who will decide the products available for customers. The second one is the customer or the billing manager who can purchase the items available or can make the bill for the customers.

This project can also be used for online purchasing as the customer can access it easily.

## Tasks / Features

Work in the Supermarket will be done in the following way:
1. The product will come in the store.
2. The Administrator will enter the information of the product in database and price and discount available for each product.
3. The customer will come and take the basket with him/her and choose the product and take it to the counter.
4. The bill calculating operator will enter the product number then it will show its information and price and the bill will be calculated and total payment will shown.
5. Customer will pay for the products.
6. All the products will be packed and delivered to the customer.

Two more (optional) features that can be added to this project are:

7. RFID Tagging(Product identification): RFID tagging products allows fordirectly scanning products and their data is added to the system automatically.

8. SMS Bill Notification: The customer is even notified of the bill amount through an sms message instantly.

Work in the Supermarket will be done in the following way:

1. The product will come in the store.
2. Data entry operator will enter the information of the product in database.
3. The Administrator will enter the taxes and commissions for each product.
4. The customer will come and take the basket with him/her and choose the product and took it to the counter.
5. The bill calculating operator will check the products with the bar code detecting machine then it will match with product-id then it will show its information and price and the bill will be calculated and total payment will show.
6. Customer will pay for the products.
7. All the products will be packed and delivered to the customer.

## Analysis of Project

Analysis using Iterative Model

- In the Iterative model, iterative process starts with a simple implementation of a small set of the software requirements and iteratively enhances the evolving versions until the complete system is implemented and ready to be deployed. Following is step for Analysis in this model,

- Requirement & Analysis
- Design
- Implementation
- Testing
- Maintenance

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## Modules

We will use 5 modules in this project.
These are as follows:

## Admin Panel

Module 1:
Login–Id This module is made for the login of users.
We know that we have 3 users so login-id is for:

1. Administrator
2. Data Entry Operator
3. Bill Calculating Operator Module

2: Apply taxes and commissions This module is for administrator who will
1. Set the taxes for the products.
2. Set the commissions for the products.

Module 3: Check the Report This module is also for the administrator who can generate or check the report of the product and how many products are sold on particular date or in a period of time.

## Data Entry Operator Panel

Module 4: Enter the information about products This module is for data entry operator who will
1. Enter which products come in the store.
2. Prices and expiry date of the product.

## Bill Calculating operator Panel

Module-5: Calculate the bill This module is for bill calculating operator who will
1. Calculate the bill.
2. Print it.

## Project Hosting

. Web hosting with domain.
. Hosting Space with windows and Linux both.
. Upload & download Project using file zila in Control Panel.
. Mail Server from web hosting.
. Launch Project Online Using URL.

## Tools

As per the Technologies

You can develop project look like this:

Bill  Stock  Dealer  Employee  Password  Help

# Create New Bill

| | | | |
|---|---|---|---|
| Customer Name | | Select The Product | |
| Customer Number | 0 | Price | |
| Product Number | 1 | Weight | |
| Date | 26/05/2008 | Quantity | |
| Time | 11:05:03 AM | Total Price | |

Add    Refresh

Remove    Home

| Serial No. | Product Name | Weight | Price | Quantity | Total |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |

Print          TOTAL  Rs.