Web Application Development using ASP.Net MVC

Project 2: Small Business Management System

Name of Project: Small Business Management System

Type of application: Web Application

Technology Stack: C#, MVC, MS SQL Server

Team will be scored using following scoring benchmark.

SL#	Story Name	Score
1	Product Catalog Module	4
2	Party Module (Customer)	3
3	Party Module (Supplier)	3
4	Purchase Module	4
5	Sales Module	4
6	Stock Module	4
7	Reporting Module (Periodic Income Expense Report on Sales)	4
8	Reporting Module (Periodic Income Expense Report on Purchase)	4
	Total	**30**

Each member score (50) = Team Score (30) + Individual Score (20)

Individual score will be counted as your contribution.

Every team member must contribute equally. During project presentation, everyone will be asked about his/her contribution and score accordingly. During presentation, you will run your application and will show what you have completed so far. We will ask you about the source code and code quality, database design and data quality, member's contribution (github & trello). Your git repository, trello and release phases are the verification of your work. Note that before final presentation every one must complete all release phases (contains marks) works. Please note that if any members don't write any code or fails to complete release phases will get score zero.

Description of Project:

ABC Company is a small retail company, they purchase their products and sale the products with a profit margin. Currently they are managing their business manually, for that reason ABC Company is suffering to manage their stocks and sale management information, also the purchase informations on their products as they needed more time to summarize the result.

So, ABC wants an automation system which will manage their small business, and they will be able to manage their products, purchases, stocks and sales, with which they could have right data on time and with less effort.

What ABC Company Needs?

1. To Manage their Purchases.
2. To Manage their Stock
3. To Manage Their Sales.

So we could divide the solution into various Modules

1. Product Catalog Module.
2. Purchase Module
3. Stock Module
4. Sales Module
5. Party Module (Customer/Supplier)
6. Reporting Module

Module Details:

1. Product Catalog
    a. Product Category Setup (Entry, Edit, Search)
    b. Product Setup with Category (Entry, Edit, Search)

2. Party Module
    a. Customer Setup (Entry, Edit, Search)
    b. Supplier Setup (Entry, Edit, Search)

3. Purchase Module
    a. Purchase Entry
    b. Purchase Edit
    c. Purchase Confirm
    d. Purchase Search

4. Sales Module
    a. Sales Entry
    b. Sales Edit
    c. Sales Confirm

d. Sales Search

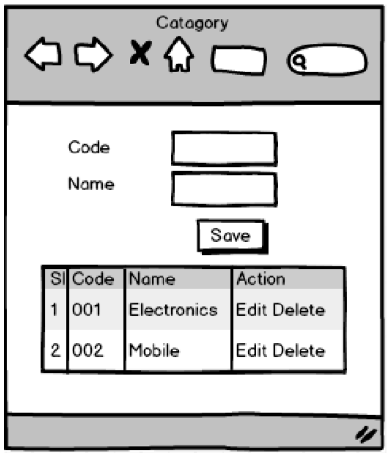
5. Stock Module
   a. Periodical Stock Report (From - To, Opening Balance, In, Out, Closing Balance)
   b. Find Low product & Expired product.

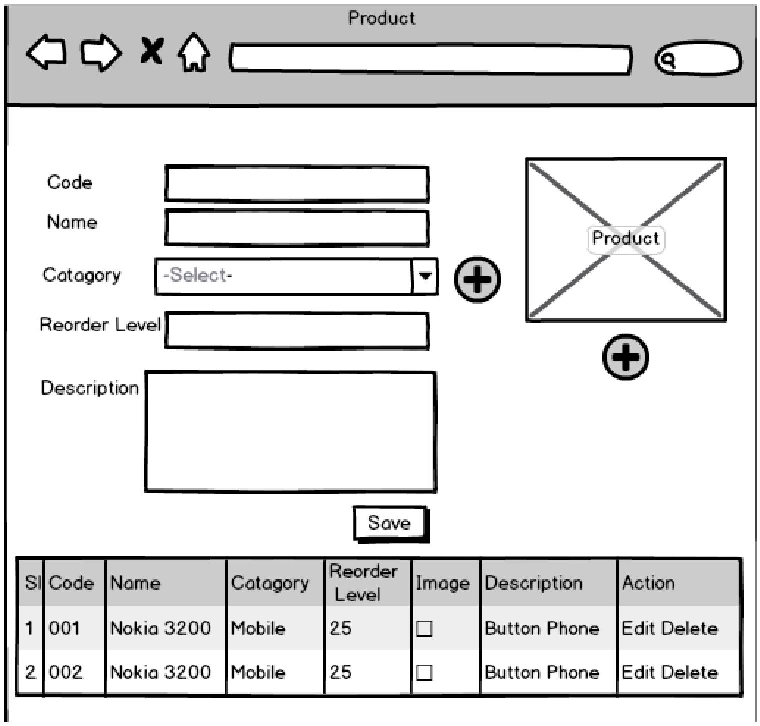
6. Reporting Module
   a. Periodic Income Expense Report on Sales
   b. Periodic Income Expense Report on Purchase

Story

1. Product Catalog Setup

    As a Admin
    I want to save new Categories (Name, Code)
    So that I can save Products as per their Category



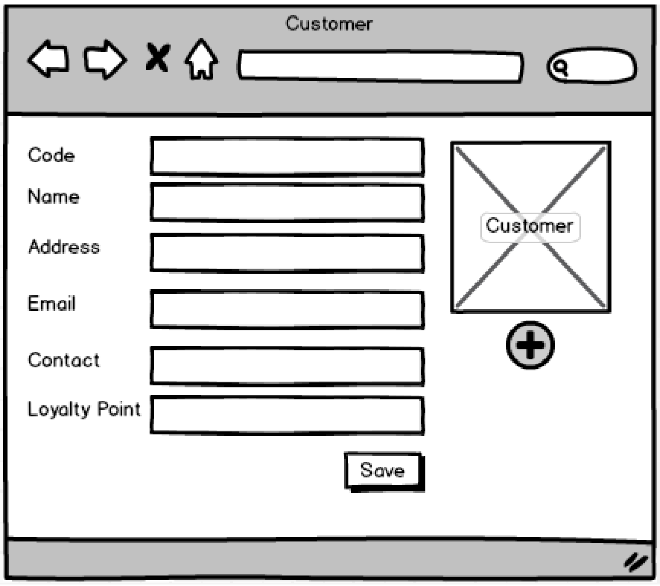


    As a Admin
    I want to save or modify Products (Name, Code, Image, Reorder Level, Category and Description)
    So that Purchase and Sales Team can use the Products

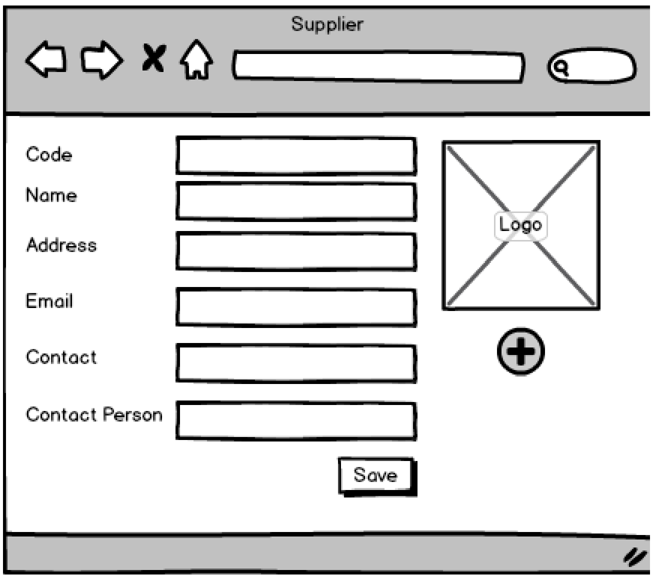
    As a Admin
    When I Click on (+) Button Category Page will be pop up
    So that I can Add new Category

  a. Product Category Setup
  b. Product Setup with Category

2. Party Module
As a Admin
I want to save, modify and search Customers (Name, Code, Address, Contact, Email, and Loyalty Point)
So that I can save Customers

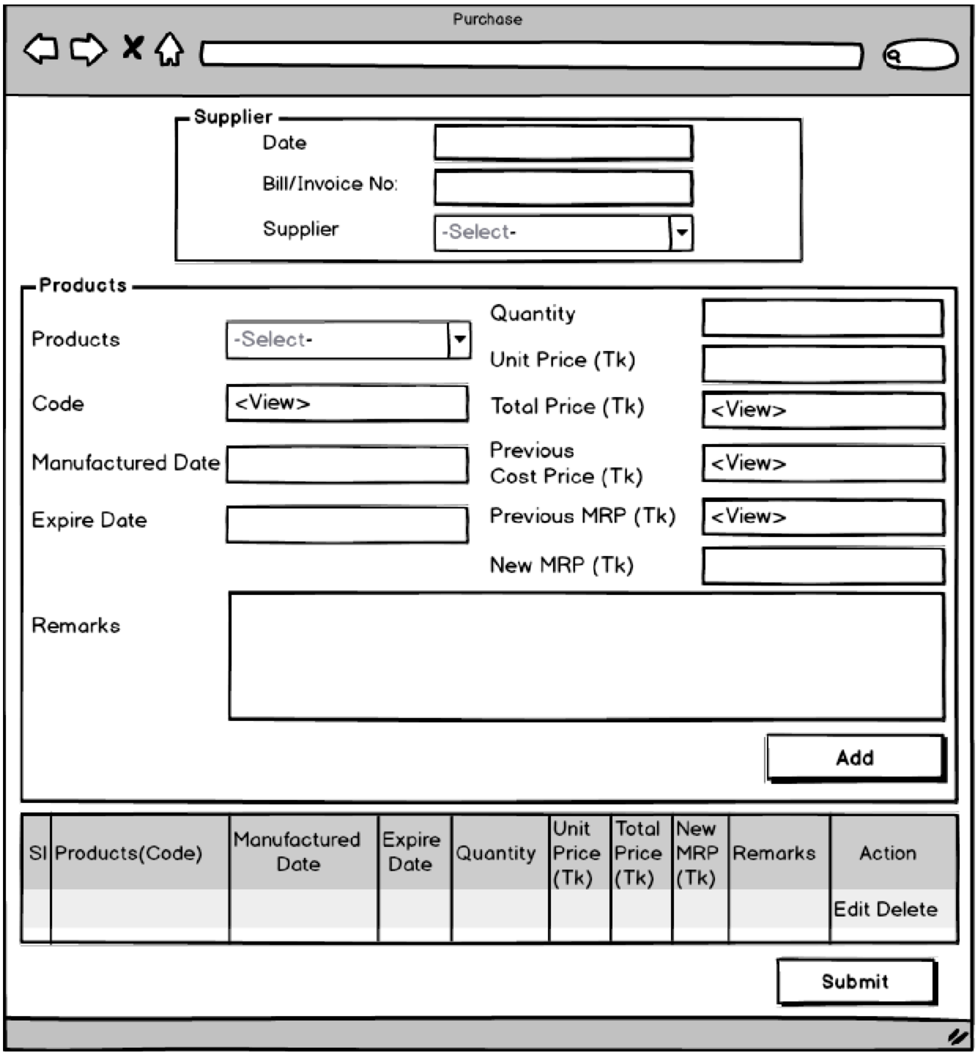


I want to save, modify and search Supplier (Name, Code, Address, Contact and Email)
So that I can save Supplier



a. Customer Entry, Edit, Search
b. Supplier Entry, Edit, Search

3. Purchase Module



As an Admin / Purchase Manager
I want to save and modify purchase information (Date, Bill/Invoice number, Supplier, Products, Code, Manufactured Date, Expire Date, Purchased Quantity, Unit price, Remarks)
So that Business Owner, Purchase team can have up-to-date purchase information
[Unit Costing Calculation Formula: New MRP = 25% of Unit Cost]

As a Admin / Purchase Manager
When Confirm purchase Products will be available for Sales (i.e. Stock quantity will be increased)
So that Business Owner, Purchase team can have up-to-date purchase information

As a Admin /Purchase Manager/ Owner
I want to Search purchase products

So that we can see the up-to-date purchase information and make our purchase dissection.

As a Admin / Owner
I want to calculate product sales price
So that, I gain profits on sales.

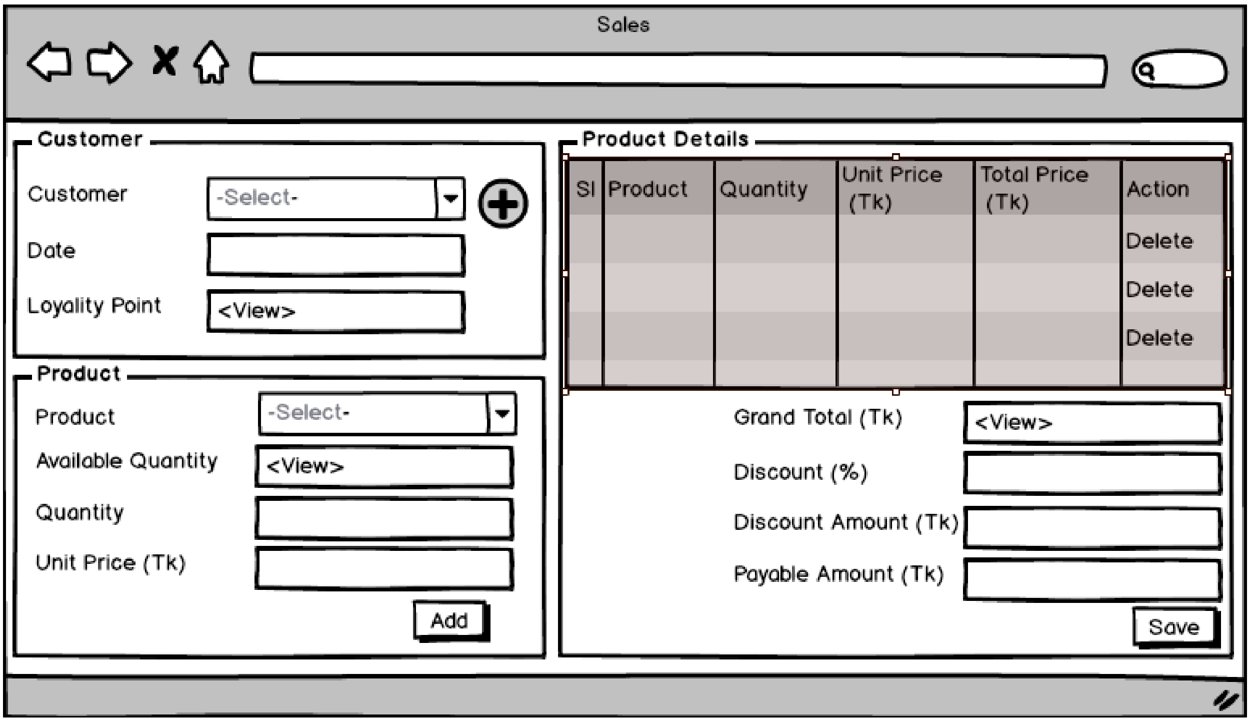
a. Purchase Entry
b. Purchase Edit
c. Purchase Confirm
d. Purchase Search

4. Sales Module

As a Sales man
When I Confirm Sales (Customer, Date, Product, Quantity and Price) Stock quantity will be decreased, on purchase price customer will get loyalty point,
So that Business Owner, Purchase team can have final up-to-date sales information and give discount/offer on loyalty point.
[Loyalty Point Calculation Formula: Loyalty Point will be increased by [Grand Total/1000] Point(s)]
[Discount (%) Calculation Formula: Loyalty Point/10]

As a Admin/ Inventory Manager
I want to know my reorder level
So that I can order purchase

As a Purchase Manager, Owner
I want to Search Sales products
So that we can see the up-to-date sales information.



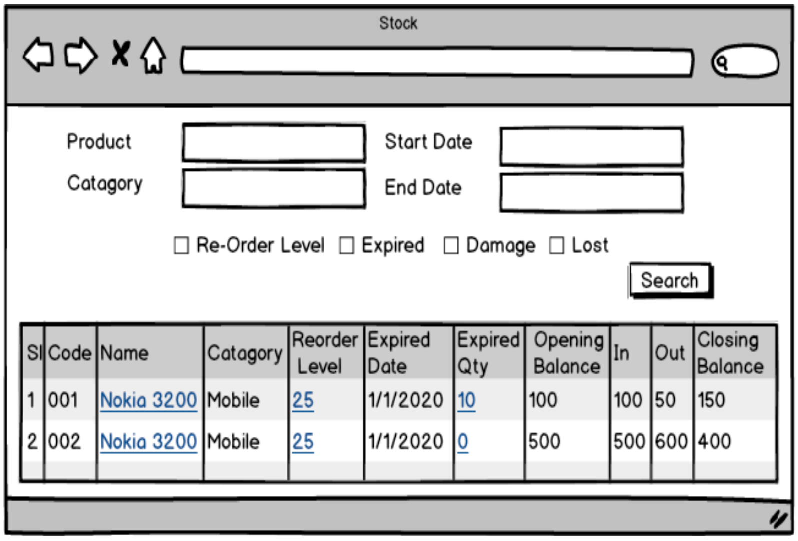
a) Sales Entry
b) Sales Edit
c) Sales Confirm
d) Sales Search

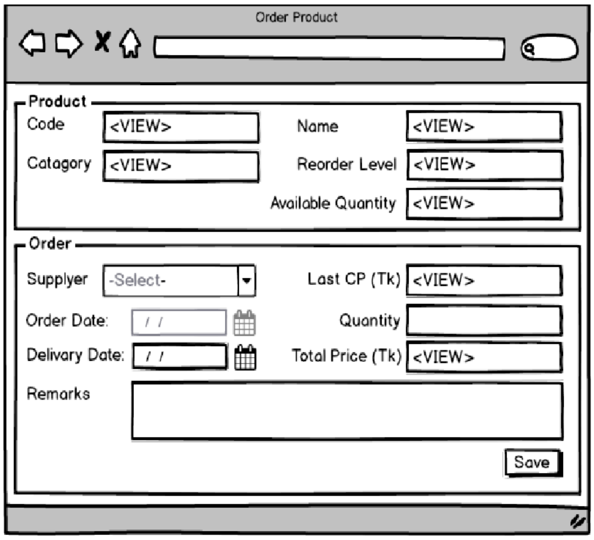
5. Stock Module

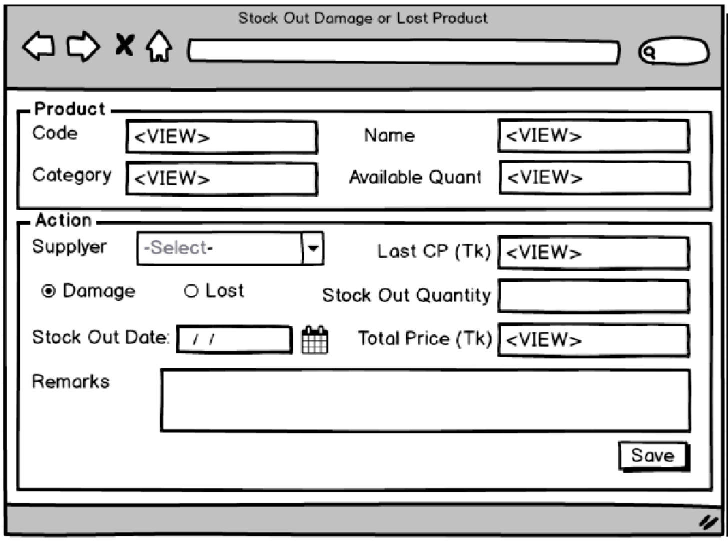
As a Inventory Manager

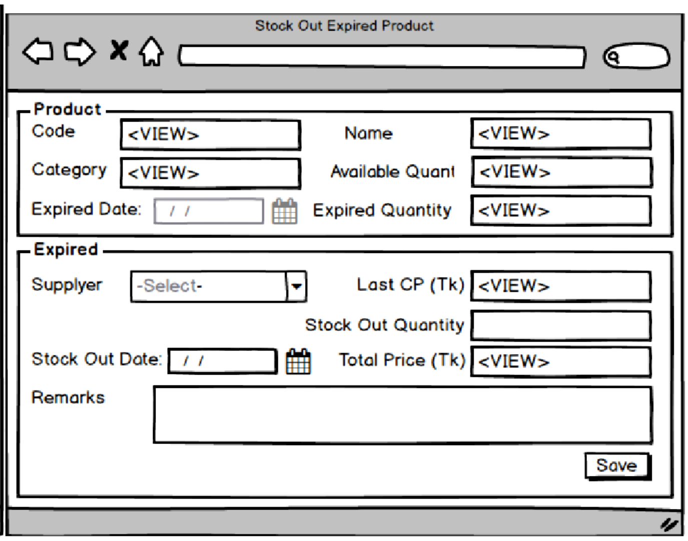
I want to track Available Products/ Re-Order Products/ Expired Products and Stock out Lost or Damaged Products

So that products never runs out and loss can be minimized.



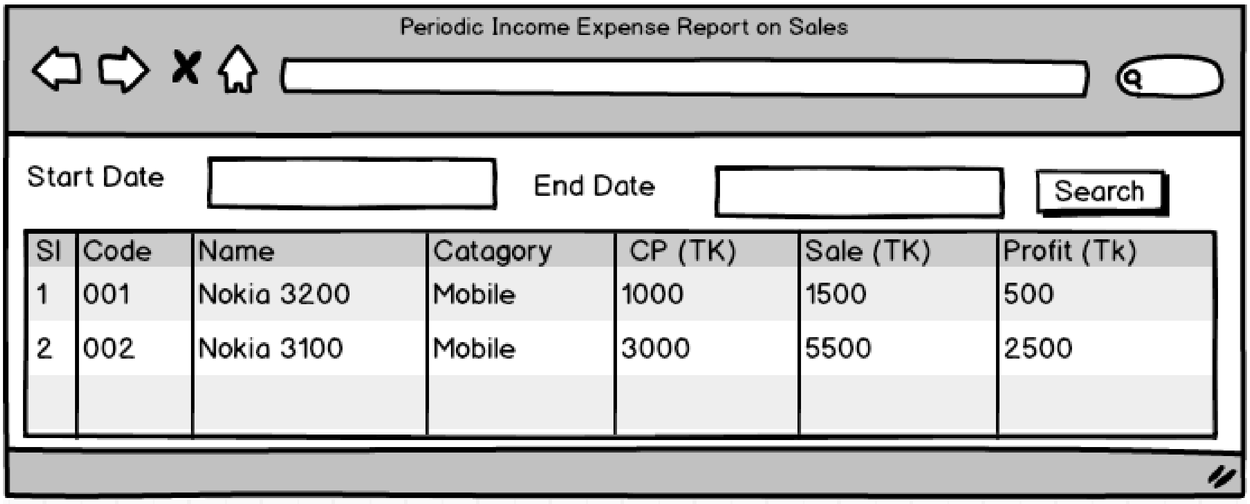


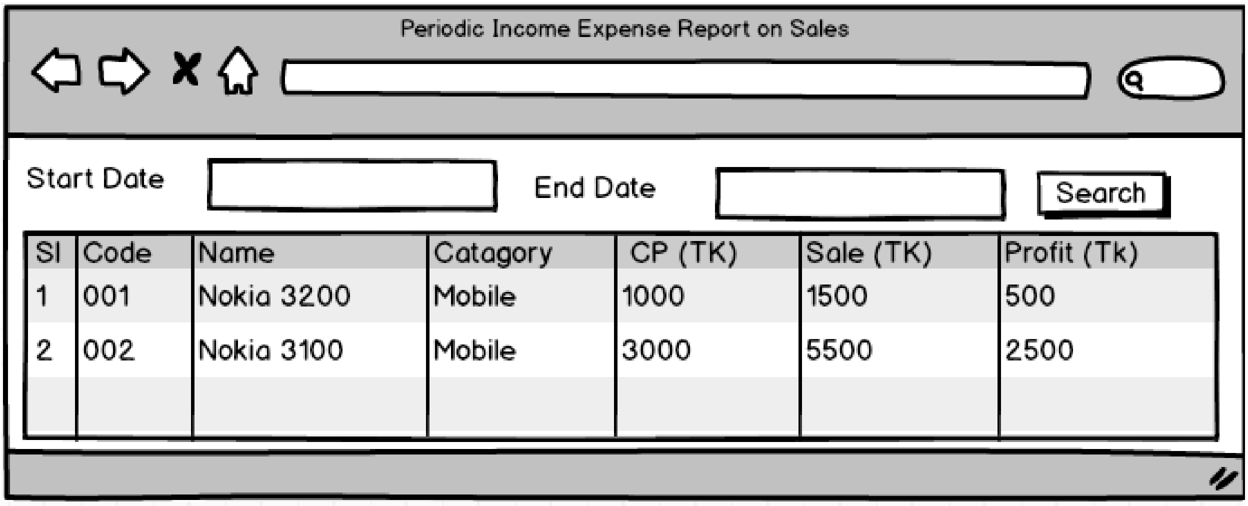




a) Periodical Stock Report (From - To, Opening Balance, In, Out, Closing Balance)
b) Find Low quantity Products or Expired products then order them or remove.
c) Stock Out Damage or Lost Product

6. Reporting Module





a. Periodic Income Expense Report on Sales
b. Periodic Income Expense Report on Purchase