

Web Application Development using ASP.Net

Project 1: Stock Management System

Name of Project: Stock Management System

Type of application: Desktop Application

Technology Stack: C#, Windows Form, MS SQL Server

Team will be score using following scoring benchmark.

SL#	Story Name	Score
1	Setup Category	2
2	Setup Company	2
3	Setup Item	4
4	Stock In	5
5	Stock Out	5
6	Search & View Items Summary	6
7	View Sales Between Two Dates	6
	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, database design and code quality, member's contribution. **Please note that if any members don't write any code will score zero.**

Description of Project:

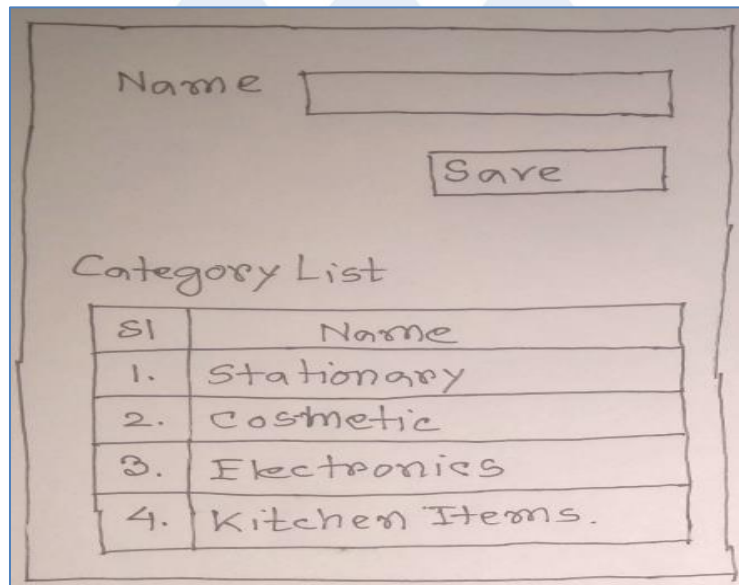
Small shops sometimes face difficulties to manage their stock (In, Out and available items). So, you are asked to provide them a desktop application which has the following features:

User Story/Feature List

SL	Story Name
1	Setup Category
2	Setup Company
3	Setup Item
4	Stock In
5	Stock Out
6	Search & View Items Summary
7	View Sales Between Two Dates

1. Setup Category:

Initially all category will be saved into the system. Category name must be unique. In this UI, all categories will be shown also. Please note that if user wants, (s) he can be able to edit any Category by double clicking on it.



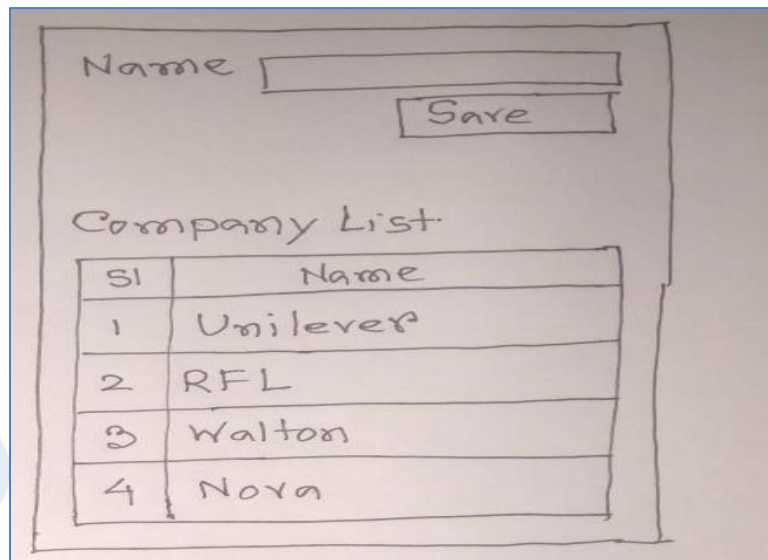
Hand-drawn UI sketch for the Setup Category screen:

- Name** input field
- Save** button
- Category List** table:

Sl	Name
1.	Stationary
2.	Cosmetic
3.	Electronics
4.	Kitchen Items.

2. Setup Company

Using this UI, user will save new company information and also view all companies' name. Edit feature is not needed here. Company name will be unique.

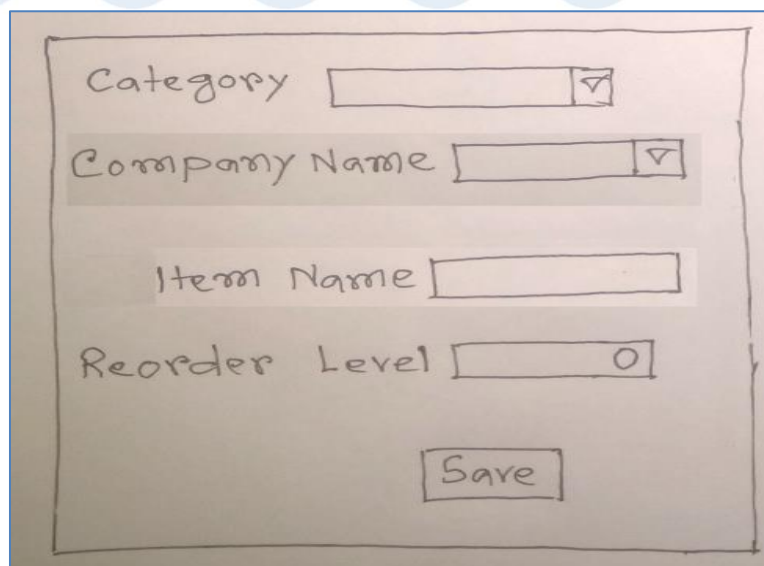


Hand-drawn UI for Setup Company. It features a 'Name' input field and a 'Save' button. Below this is a 'Company List' table with columns 'SI' and 'Name'.

SI	Name
1	Unilever
2	RFL
3	Walton
4	Nova

3. Setup Item

Item name will be save using this UI. User will select Category and Company name, then will enter new Item name. Please note that by default, reorder level will be 0, user can edit it. Item name must be unique.



Hand-drawn UI for Setup Item. It features four input fields: 'Category' (with a dropdown arrow), 'Company Name' (with a dropdown arrow), 'Item Name', and 'Reorder Level' (with a default value of 0). A 'Save' button is at the bottom.

4. Stock In

When any items will be arrived, user will count them and enter into the system using this UI. After Item selection, reorder level will be shown. User then enters counted items and saves into the system.

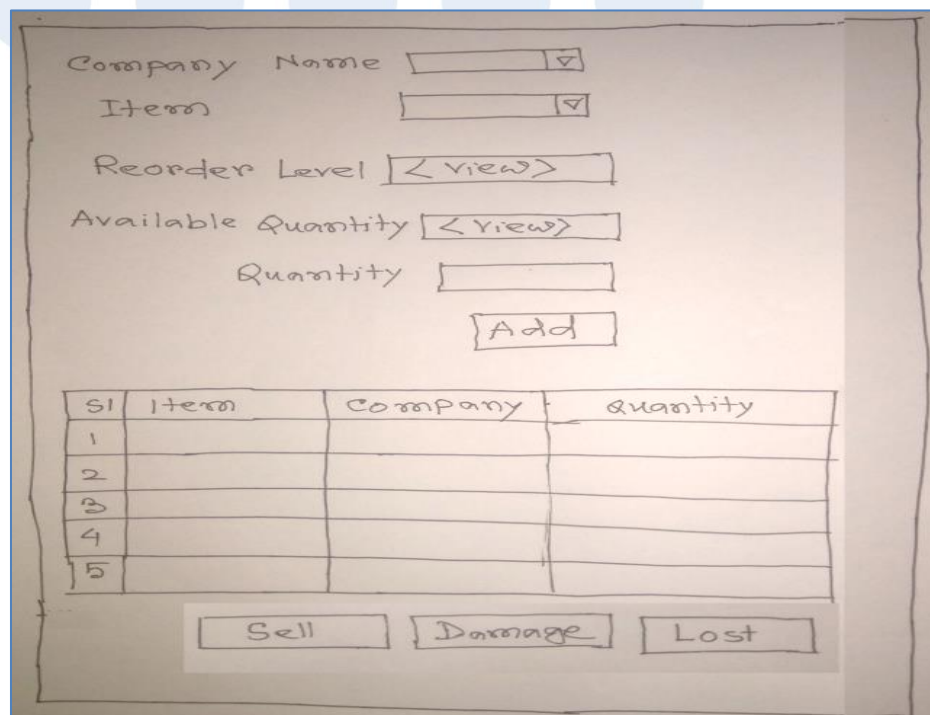


Hand-drawn UI for Stock In:

- Company
- Item
- Reorder Level
- Available Quantity
- Stock-In Quantity
-

5. Stock Out:

In a small shop, items are going out of stock for: Sales, damage or for losing them. User will enter quality and press *Add* button, items with quantity and company name will be added into the following grid. After adding several items into the grid, user will press *Sell/Damage/Lost* button and then data will be saved into the database.



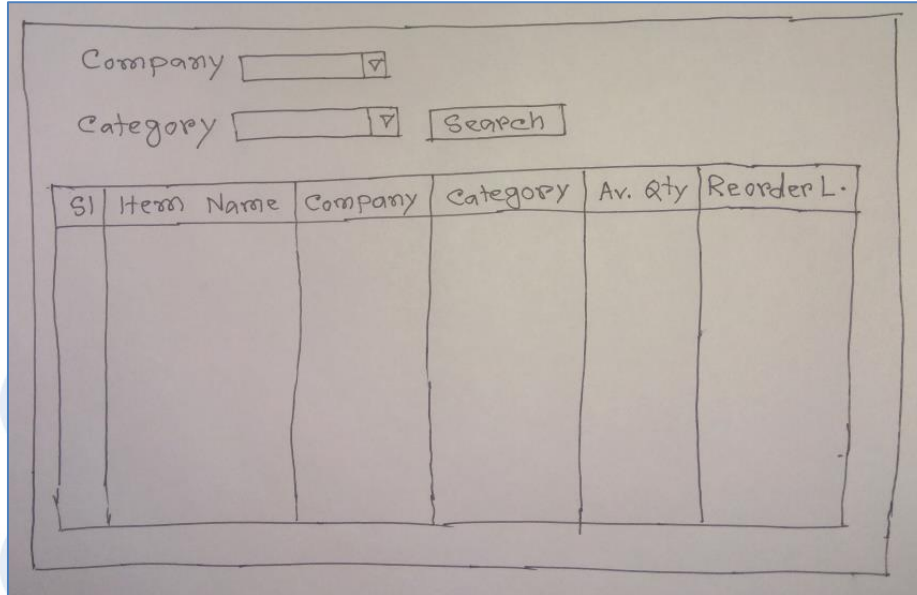
Hand-drawn UI for Stock Out:

- Company Name
- Item
- Reorder Level
- Available Quantity
- Quantity
-

Sl	Item	Company	Quantity
1			
2			
3			
4			
5			

6. Search & View Items Summary

It is a report (search and view only). User will select company and category, and press *Search* button. All related information will be displayed. Note that user may select only company or only category name or both.



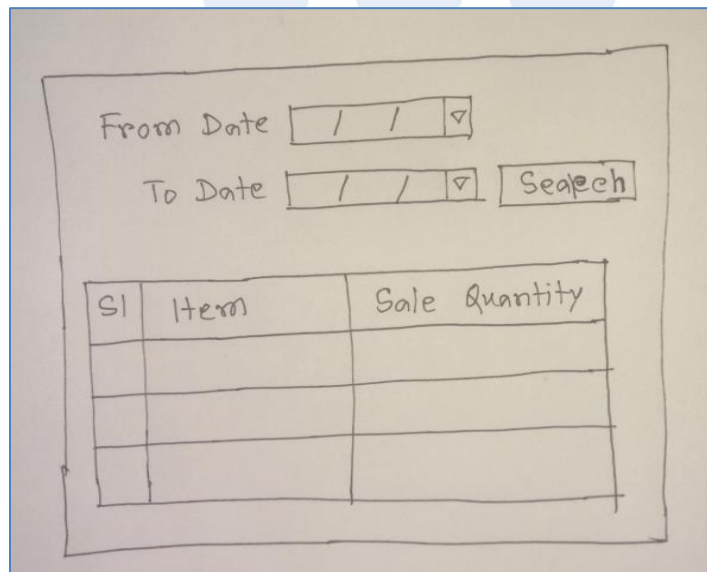
Company

Category

SI	Item Name	Company	Category	Av. Qty	Reorder L.

7. View Sales Between Two Dates:

This is a report (search and view only). User will select any two dates (*From Date* must be equal or smaller than *To Date*) and press *Search* button. Only sold items with sold quantity will be displayed. Note that, items which are not sold between dates will not be displayed.



From Date

To Date

SI	Item	Sale Quantity

Some optional tasks (no score will be added, but we will appreciate the team who could do these):

1. You can introduce, login feature (just user id and password), no need to design UI for User creation. Just keep two/three user info into database.
2. During database insert/update operations, you can save server date-time and logged in user id every time with each row.
3. Introduce Export in PDF for last two reports.

<HAPPY CODING>

