Desktop 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 scored 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 Between Two Dates Report	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 and code quality, database design and data quality, member's contribution (github & trello). **Please note that if any members don't write any code will score zero. Your git repository and trello is the proof of your work.**

Description of Project:

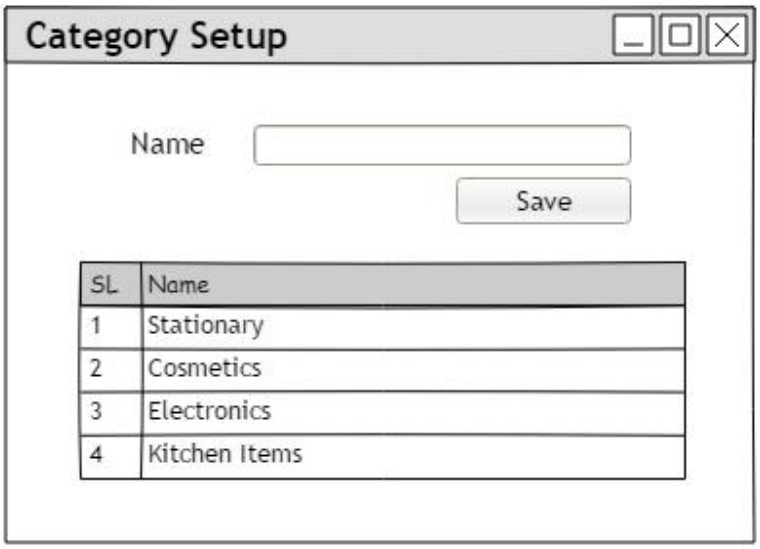
Small shops sometimes face difficulties to manage their stock (In, Out and available items). So, you are asked to provide them a Desktop application which has the following features:

User Story/Feature List

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

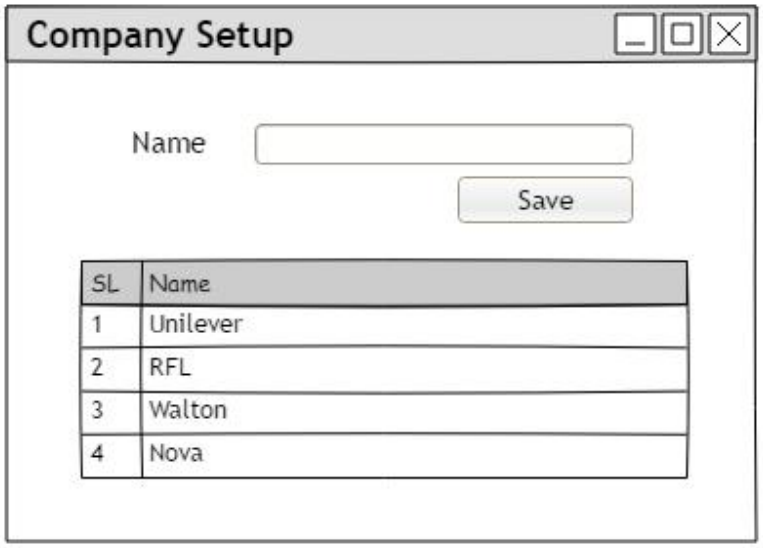
1. Category Setup

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 or clicking on button.



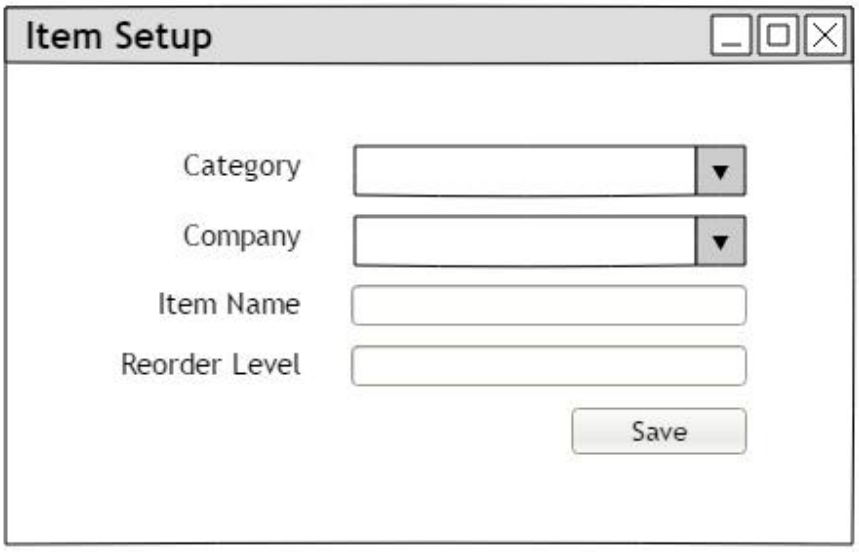
2. Company Setup

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. Please note that if user wants, (s) he can be able to edit any Company by double clicking on it or clicking on button.



3. Item Setup

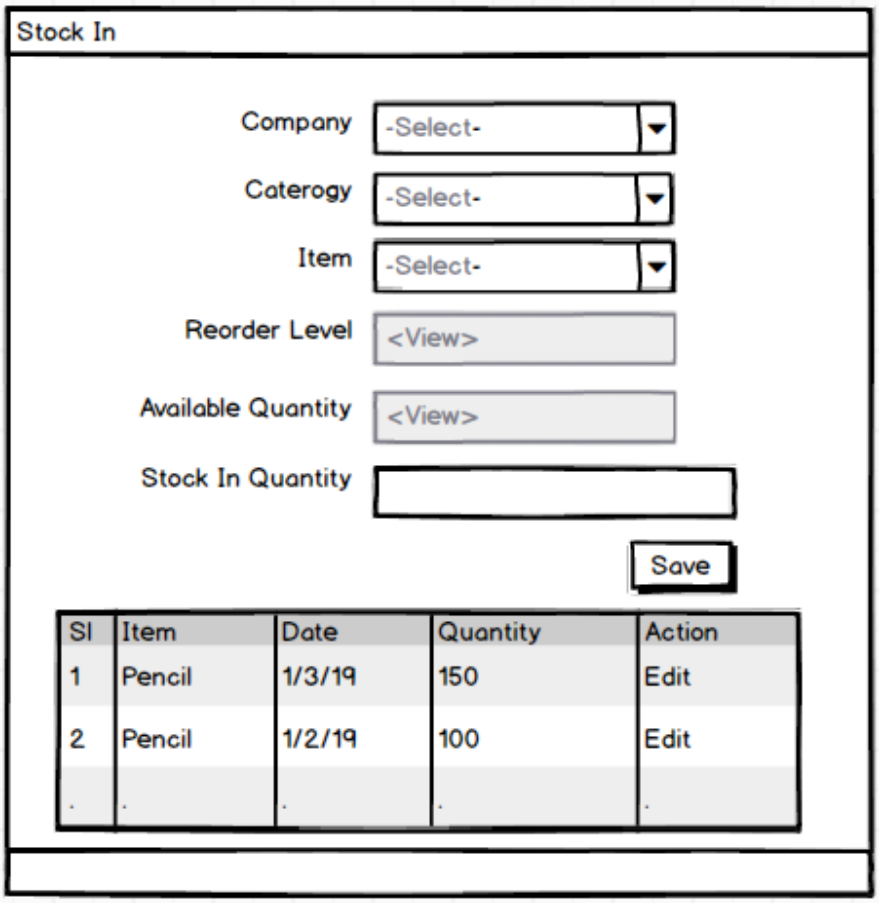
Item name will be save using this UI. User will select Category and Company name, then will enter new Item name. Item name must be unique. Please note that by default, reorder level will be 0, but user can enter new value. [Note : Reorder Level / Reorder Point / Buffer Level is the level of inventory which triggers an action to replenish/restock that particular inventory stock]



4. Stock In

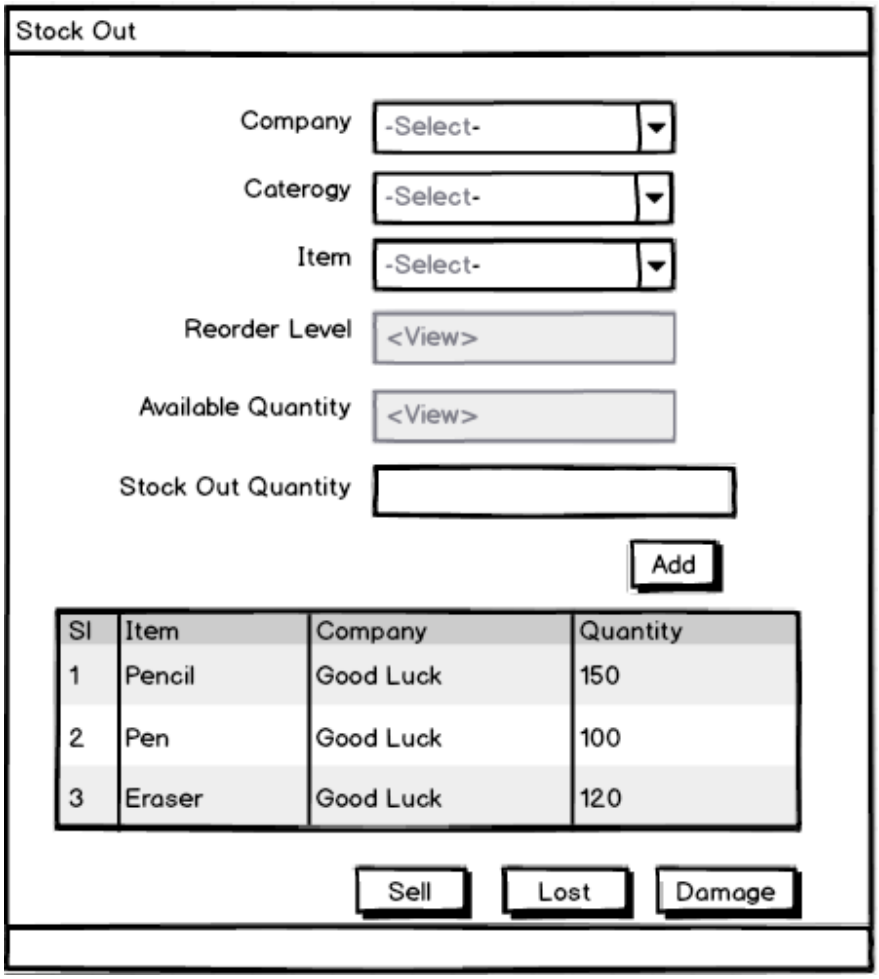
When any items will be arrived, user will count them and enter the quantity into the system using this UI. After Item selection, reorder level and available quantity will be shown (Read-Only) and Grid will show all previous Items. User then enters counted items and saves into the system.

[Note : Available quantity = On Hand quantity – Allocated quantity]



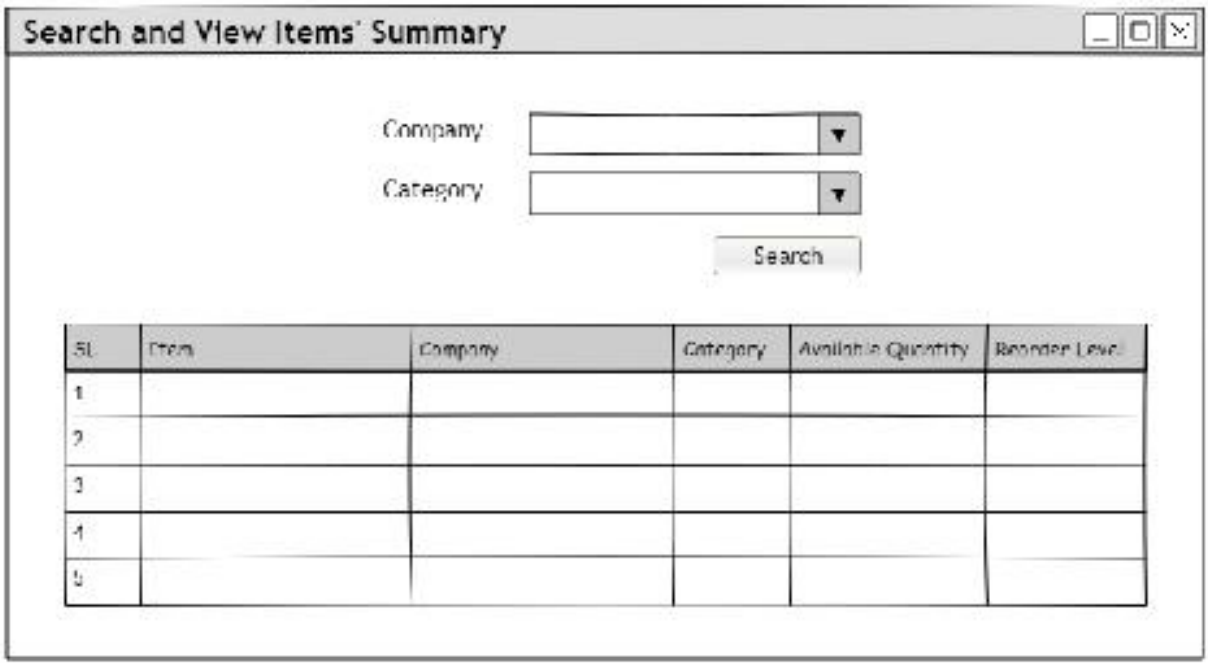
5. Stock Out:

In a small shop, items are going out of stock for: Sales, damage or for losing them. User will enter quantity and press *Add* button, items with quantity and company name will be added into the following grid. If out quantity goes below or equal to Re-order level alert user with "Please restock this item." message. After adding several items into the grid, user will press *Sell/Damage/Lost* button and then data will be saved into the database.



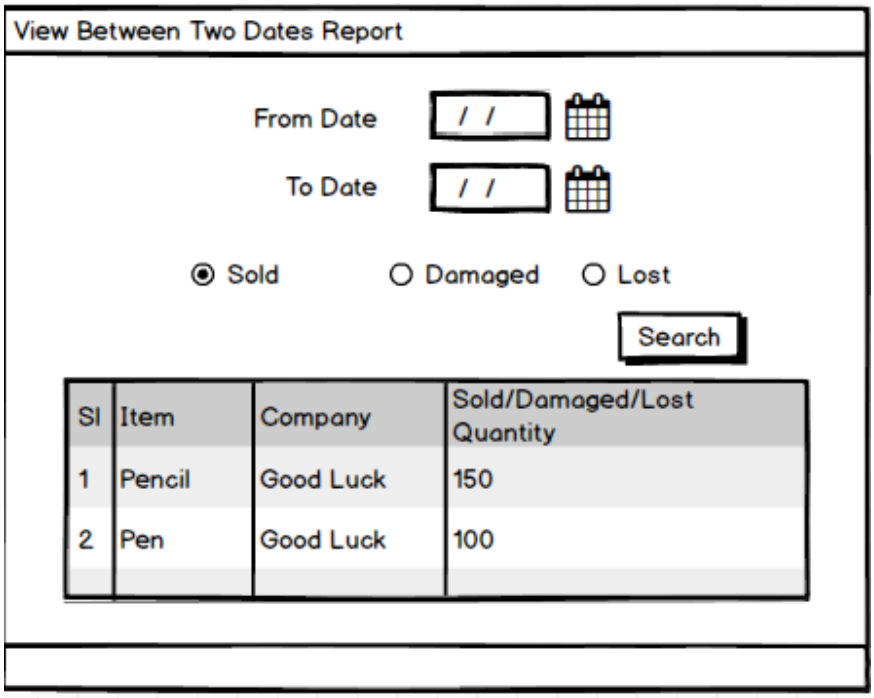
6. Search & View Items Summary

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 (Only company wise category will be shown). If no result is available then show “No data found”



7. View Between Two Dates Report:

This is a report (search and view only). User will select any two dates (*From Date* must be equal or smaller than *To Date*), Sold/Damaged/Lost Option (Default option is Sold) and press Search button. Only Sold/Damaged/Lost items with Sold/Damaged/Lost quantity will be displayed. Note that Items which is not sold between dates will not be displayed. If no result is available then show "No data found"



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>