

Web Application Development using ASP.Net
Project Title: Stock Management System

Name of Project: Stock Management System

Type of application: Web Application

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

Description of Project:

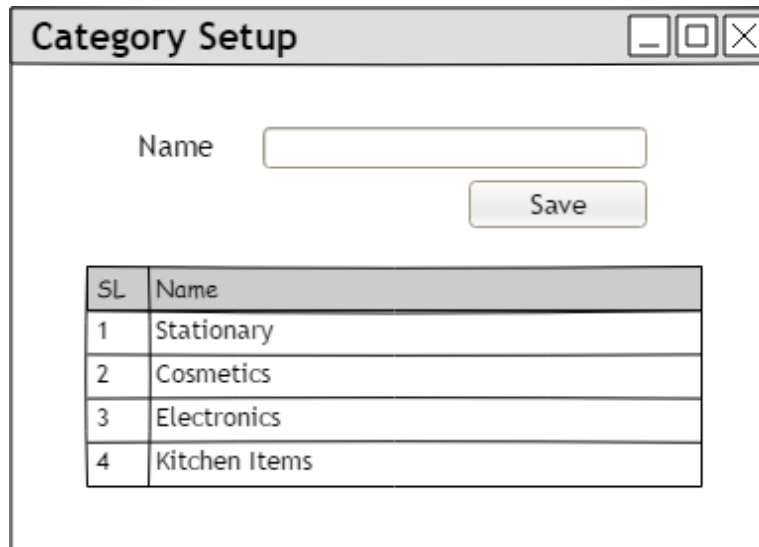
Small shops sometimes face difficulties managing their stock (In, Out and available items). So, you are asked to provide them a web application which has the following features:

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 Sales Between Two Dates
8	Login & Registration
9	Role based authorization
10	Export to CSV
11	Admin Panel
12	User Details Edit/Delete
13	Assign roles to User

1. Category Setup

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

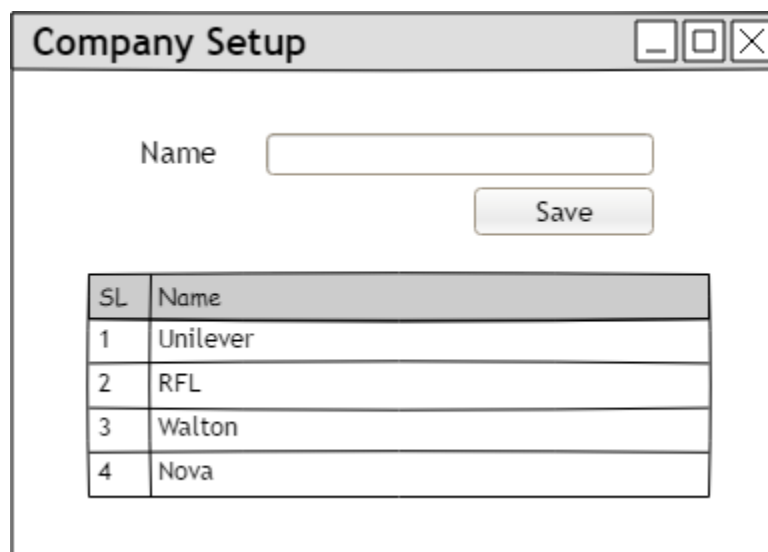


The 'Category Setup' window features a title bar with standard window controls. Below the title bar, there is a 'Name' label followed by a text input field. To the right of the input field is a 'Save' button. Below these elements is a table with two columns: 'SL' and 'Name'. The table contains four rows of data.

SL	Name
1	Stationary
2	Cosmetics
3	Electronics
4	Kitchen Items

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.

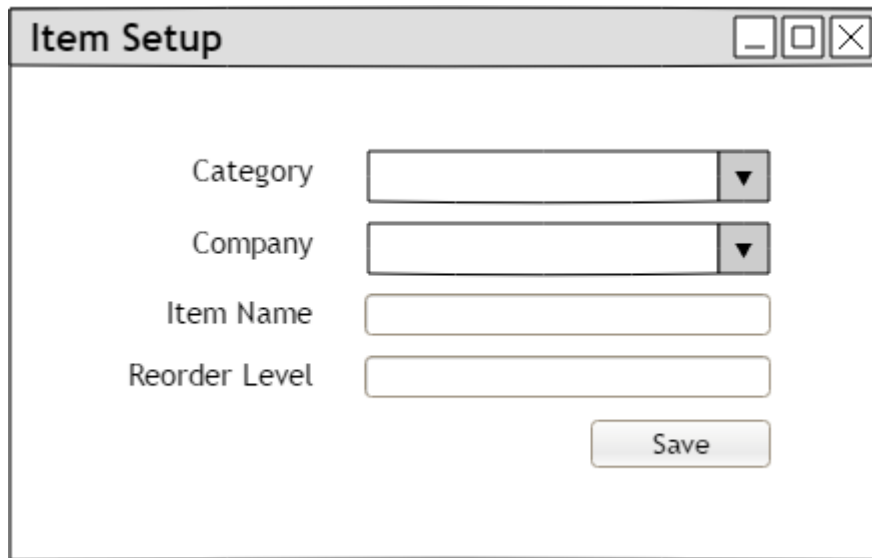


The 'Company Setup' window features a title bar with standard window controls. Below the title bar, there is a 'Name' label followed by a text input field. To the right of the input field is a 'Save' button. Below these elements is a table with two columns: 'SL' and 'Name'. The table contains four rows of data.

SL	Name
1	Unilever
2	RFL
3	Walton
4	Nova

3. Item Setup

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

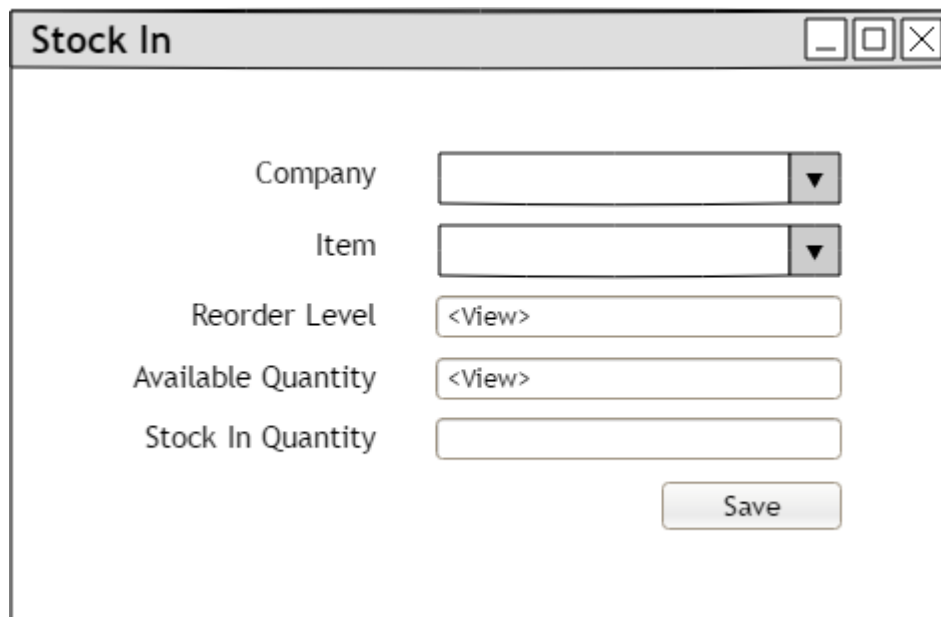


The 'Item Setup' dialog box features a title bar with standard window controls. It contains four input fields: 'Category' and 'Company' are dropdown menus, while 'Item Name' and 'Reorder Level' are text boxes. A 'Save' button is positioned at the bottom right.

Category	<input type="text"/>
Company	<input type="text"/>
Item Name	<input type="text"/>
Reorder Level	<input type="text"/>
<input type="button" value="Save"/>	

4. Stock In

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



The 'Stock In' dialog box has a title bar with standard window controls. It includes five input fields: 'Company' and 'Item' are dropdown menus, 'Reorder Level' and 'Available Quantity' are text boxes with '<View>' as placeholder text, and 'Stock In Quantity' is a text box. A 'Save' button is located at the bottom right.

Company	<input type="text"/>
Item	<input type="text"/>
Reorder Level	<input type="text" value="<View>"/>
Available Quantity	<input type="text" value="<View>"/>
Stock In Quantity	<input type="text"/>
<input type="button" value="Save"/>	

5. Stock Out:

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

Stock Out

Company

Item

Reorder Level

<View>

Available Quantity

<View>

Stock Out Quantity

Add

SL	Item	Company	Quantity
1			
2			
3			
4			
5			

Sell

Damage

Lost

6. Search & View Items Summary

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

Search and View Items' Summary

Company

Category

Search

SL	Item	Company	Category	Available Quantity	Reorder Level
1					
2					
3					
4					
5					

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 the Search button. Only sold items with sold quantity will be displayed. Note that Items which are not sold between dates will not be displayed.

View Sales Between Two Dates

From Date

Datepicker

To Date

Datepicker

Search

SL	Item	Sale Quantity
1		
2		
3		
4		
5		

8. Login & Registration

I introduce Identity, Login feature (just username and password), And Registration feature(username,password,confirm password,Firstname, Lastname).

Registration

Registration Information

First Name: *

Last Name: *

Username: *

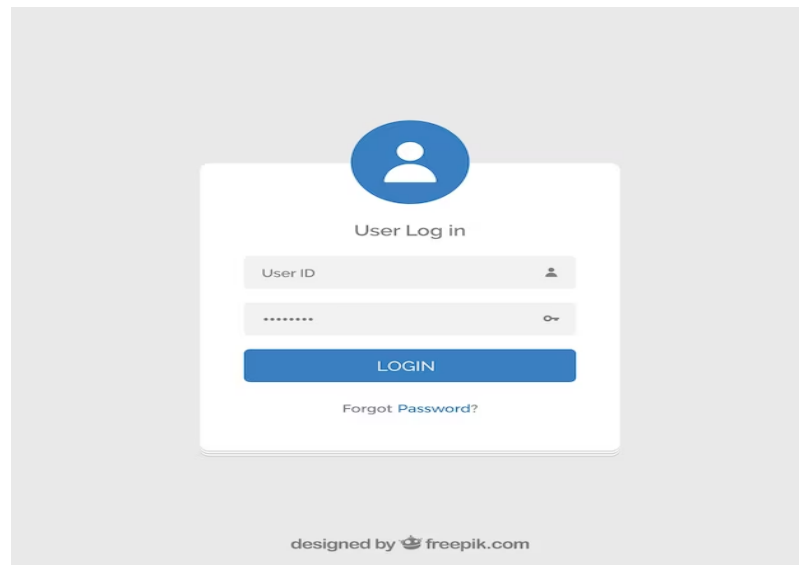
E-mail: *

Password: *

Verify Password: *

REGISTER

Fields marked with an asterisk (*) are required.



9. Role Based Authorization:

I introduced three roles, and also assigned tasks according to roles.

- ☐ Admin
- ☐ StockManager
- ☐ SystemTester

10. Export in CSV:

I introduced Export in CSV and users can download reports in CSV format.

11. Admin Panel :

I introduce an Admin panel where all the user's List will be shown and admin can delete and edit the user profile. Admin also can manage category , company and items of the inventory.

12. User details Edit/Delete :

I introduce an Admin panel where all the user's List will be shown and admin can delete and edit the user profile.

13. Assign Roles To User :

In the User list i introduce a new feature assign role where admin can assign role to user.