Project 1: Stock Management System

Name of Project: Stock Management System

Type of application: Web Application

Technology Stack: C#, Web 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 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.**

BASIS Institute of Technology & Management (BITM)

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
   8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd

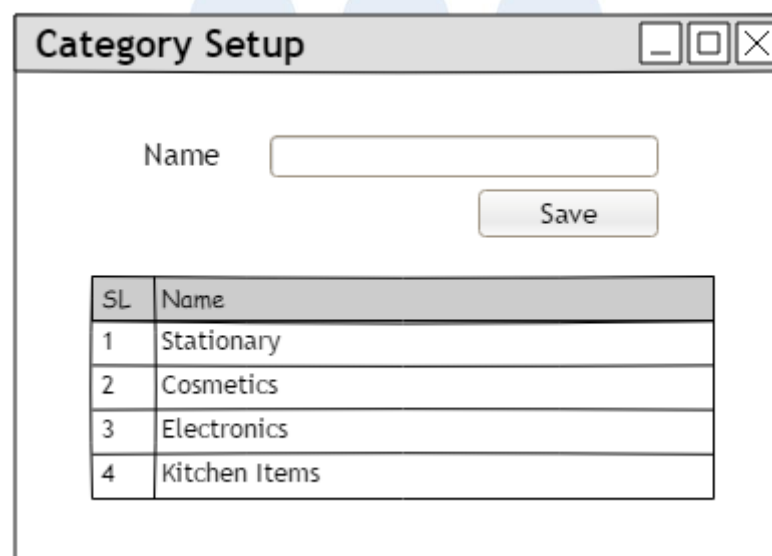BITM is an initiative of BASIS

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 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

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.
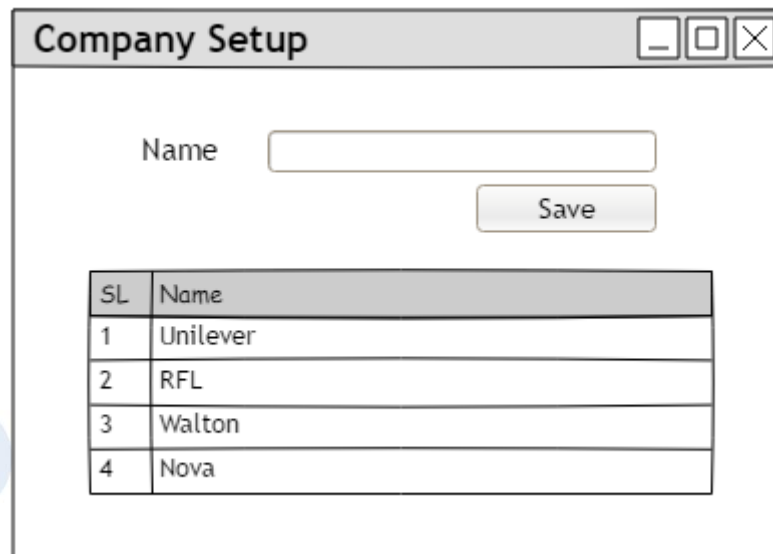
BASIS
Bangladesh Association of
Software & Information Services
BITM is an initiative of BASIS

BASIS Institute of Technology & Management (BITM)

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
     8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd

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.

Company Setup

Name: [   ]

[Save]

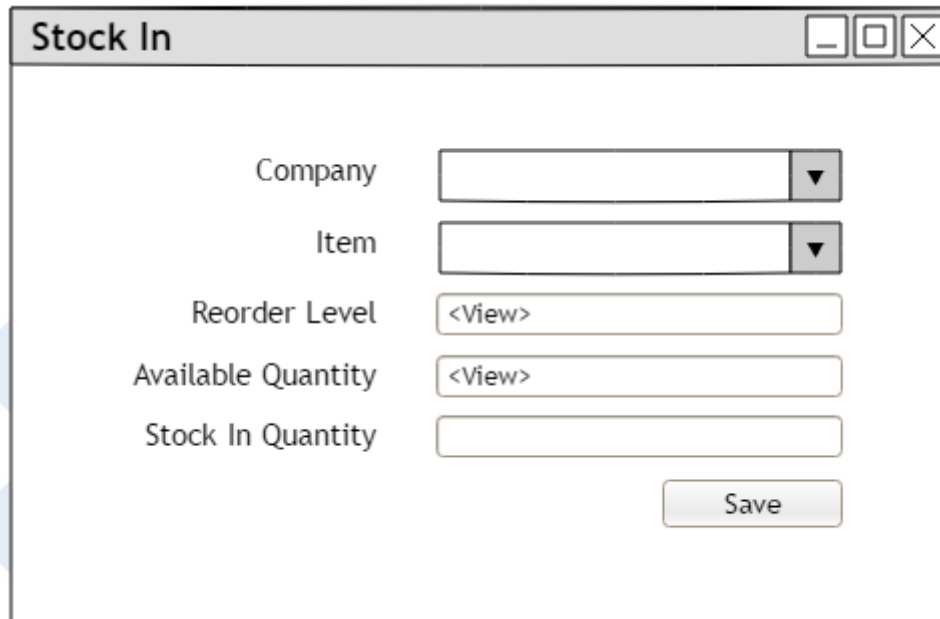| SL	Name
1	Unilever
2	RFL
3	Walton
4	Nova

3. Item Setup

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.

Item Setup

Category: [▼]

Company: [▼]

Item Name: [   ]

Reorder Level: [   ]

[Save]

BASIS Institute of Technology & Management (BITM)

BITM is an initiative of BASIS

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
      8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd

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.

Stock In _ □ ✕

Company	[_____ ▼]
Item	[_____ ▼]
Reorder Level	[<View>]
Available Quantity	[<View>]
Stock In Quantity	[_____]
	[Save]

BASIS Institute of Technology & Management (BITM)

BITM is an initiative of BASIS

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd

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.

BASIS
Bangladesh Association of
Software & Information Services
BITM is an initiative of BASIS

BASIS Institute of Technology & Management (BITM)

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd

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.

Search and View Items' Summary

| Company | | |
| Category | | |

Search

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

BASIS
Bangladesh Association of
Software & Information Services

BITM is an initiative of BASIS

BASIS Institute of Technology & Management (BITM)

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
        8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd

7. <u>View Sales Between Two Dates:</u>

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 is not sold between dates will not be displayed.
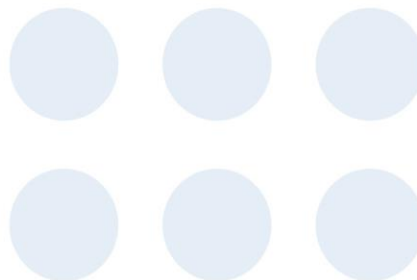
View Sales Between Two Dates

From Date	Datepicker ▼
To Date	Datepicker ▼

Search

SL	Item	Sale Quantity
1		
2		
3		
4		
5		

BASIS Institute of Technology & Management (BITM)

BITM is an initiative of BASIS

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd

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>

BASIS
Bangladesh Association of
Software & Information Services

BITM is an initiative of BASIS

BASIS Institute of Technology & Management (BITM)

BDBL Bhaban (5th Floor-West)
12 Kawran Bazar, Dhaka-1215
Bangladesh.

Tel : +880 2 8151196,
8144708-9, 09612322747
Fax : +880 2 8151197

info@bitm.org.bd
www.bitm.org.bd