



Project	Computer Shop Management System
Prepared By	B.G.L.Madushan
Register No	18SSL5345
University	Sabaragamuwa University of Sri Lanka
Faculty	Social Sciences & Languages
Subject	ICT222(3) Application of System Design – Project Work
Year	Year II Semester II
Lecture	Mr. Rumesh Weerakoon
Document	PDF – BRD/FRD
Date	2022/06/07

## 01. Scope of the Object

Computer (Desktop, Machine, Laptop, Tabs, etc.) and devices (keyboard, mouse, printer, etc.) related information, information on computer and devices sold, and stock easily to know and also efficient work in shop, save time and providing quality service.

## 02. Business Problems

This shop note down all about computer and devices details in some book. It is a difficult way. Some details are missing and destruction.

## 03. Proposed Solutions

I want to introduce database software for give better experiences and service to shop and customer.

## 04. Impacted Systems

Using a VB.net to create database for computer shop.

## 05. Business Requirement

### 01. Profile management

- Ability to login for admin
- Ability to change password
- Ability to edit profile

### 02. Categories management

- Ability to add new details (computer)
- Ability to edit

### 03. Stock management

- Ability to add new details
- Ability to edit

### 04. Sell management

- Ability to add sell product
- Ability to edit

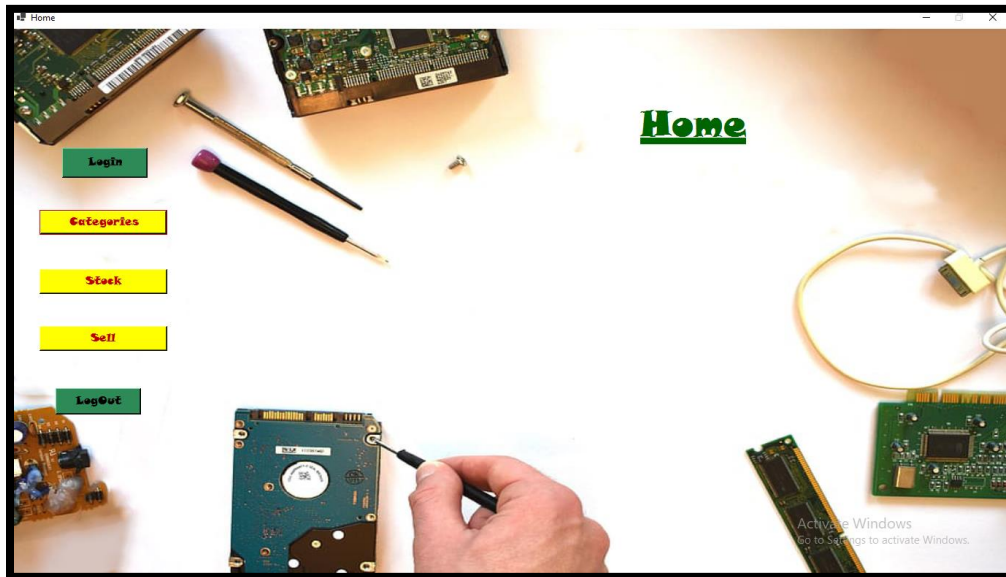
# FRD

## 01. Profile management

### 1.1 Ability to login

### 1.2 Display home page

Login button, logout button display menu bar and other tabs (categories, stock, sell).



Field Name	Field Type	Content	Required Field	Min Character	Max Character	Note
Login	Command Button	N/A	N/A	N/A	N/A	If click button open login window
Logout	Command Button	N/A	N/A	N/A	N/A	If click button logout window
Categories	Command Button	N/A	N/A	N/A	N/A	If click open categories window
Stock	Command Button	N/A	N/A	N/A	N/A	. If click open stock window
Sell	Command Button	N/A	N/A	N/A	N/A	If click open sell window

### 1.3 Navigation of login button

When click on the login button, system should display window in the middle.

### 1.4 New window interface

System display following field.



Field Name	Field Type	Content	Required Field	Min Character	Max Character	Note
User ID	Text Box	Text	Yes	8	10	
Password	Text Box	N/A	Yes	N/A	N/A	Should encrypted
Forget Password	Hyperlink	N/A	N/A	N/A	N/A	On click
Login	Command Button	N/A	N/A	N/A	N/A	On click, if the validation passed can go to home page.

#### 1.4.1 Validation for user ID

If the user ID is invalid, display message “invalid user ID try again”. Valid a user ID when you enter correct password.

#### 1.4.2 Validation for password

If the user ID is invalid, display message “Invalid password try again.”

#### 1.4.3 Validation for failed attempts.

It the password failure count is more than 3. System should disable and display a message that “Your database gas been locked”, contact the software owner.

#### 1.4.4 Forget password

When you click forget button you go new window and can be change password, entering new password and old password.



The image shows a screenshot of a software window titled "Forget\_Password" with a close button (X) in the top right corner. The window has a dark background with a bokeh effect of blue and white circles. At the top center, the text "Change Password" is displayed in a stylized, orange, outlined font. Below this, there are two input fields. The first is labeled "Old Password" in a yellow, outlined font, and the second is labeled "New Password" in the same yellow, outlined font. Both labels are positioned to the left of their respective white input boxes. At the bottom center of the window, there is a white rectangular button with the word "Save" written in a bold, black, sans-serif font.

## 01. Category management

### 2.1 New computer, laptop and devices adding page fields.

System should display the following data fields on new item adding page interface.



The screenshot shows a window titled 'Categories' with a dark blue background featuring binary code. The main heading is 'Adding Item'. Below it, there are four input fields with labels: 'Reg. No', 'Item Name', 'Details', and 'Price'. At the bottom, there are three buttons: 'Save', 'Delete', and 'Show Details'.

Category_Details					
	Reg_No	Item_Name	Details	Price (Ru.)	Created_date
▶	123	bag	it is so strong bag	2000	8/2/2022 11:07 AM
	1	mother board	speed mother board	50000	8/2/2022 4:27 PM
	88	key	speed	1000	8/2/2022 4:32 PM
	5	moniter	desplay is best	5000	8/2/2022 4:21 PM
	2	mic	sound ois good	1500	8/2/2022 5:22 PM
*					

Field Name	Field Type	Content	Required	Min Cha.	Max Cha.	Notes
Reg.No	Table	Text	Yes	4	8	Type here
Item Name	Table	Text	Yes	8	12	-
Details	Table	Text	Yes	10	20	-
Price (Ru.)	Table	Currency	Yes	5	8	-
Created Date	Table	Date & Time	Yes	-	-	-
Delete	Command Button	N/A	N/A	N/A	N/A	Click on
Save	Command Button	N/A	N/A	N/A	N/A	Click on
Show Details	Command Button	N/A	N/A	N/A	N/A	-

## 2.2 Click on delete button

When select the item can you delete data and finally you must click save button.

## 2.3 Click on save button

Entering new item details finally you must click on save button.

## 2.4 Searching item

You can search item using the search bar. There can type register number and item name. And show the item details.

### 03. Stock management

3.1 Current stock and new stock adding system should display the following data filed.

**Stock**

**Adding Stock**

Reg No

Item Name

Unit Price

Quantity

Return Item

**Save** **Delete** **Show Stock**

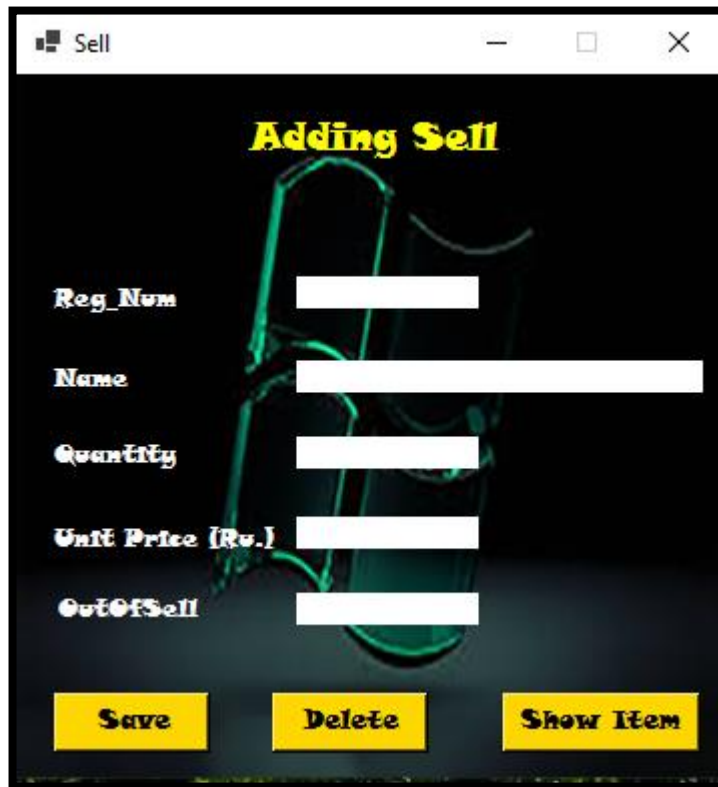
Stock_Details						
	Reg_No	Item_Name	Unit_Price (Ru.)	Quantity	Return_Item	Created_date
▶	14	oop	25	2	0	7/31/2022 8:59 P...
	4	good	3000	5	0	7/31/2022 9:02 P...
	5	5	5	5	0	7/31/2022 9:03 P...
	55	oo	44	2	0	7/31/2022 10:18 ...
	555	pen	2500	220	0	8/1/2022 10:36 A...
	21	bag	10	200	10	8/1/2022 10:04 P...
	111	book shell	450	50	1	8/1/2022 10:29 P...



Field Name	Field Type	Content	Required	Min Cha.	Max Cha.	Notes
Reg.No	Table	Text	Yes	4	8	Type here
Item Name	Table	Text	Yes	8	12	-
Unit Price	Table	Currency	Yes	8	12	-
Quantity	Table	Number	Yes	3	20	-
Return Item	Table	Number	N/A	N/A	8	-
Delete	Command Button	N/A	N/A	N/A	N/A	Click on
Save	Command Button	N/A	N/A	N/A	N/A	Click on
Show Stock	Command Button	N/A	N/A	N/A	N/A	Click On
Created Date	Table	Date & Time	Yes	-	-	-

#### 04. Sell Management

Current sell details adding to table, should display the following data filed.



The screenshot shows a window titled "Sell" with a dark background. At the top, the text "Adding Sell" is displayed in yellow. Below this, there are five input fields with labels: "Reg\_Num", "Name", "Quantity", "Unit Price (Ru.)", and "OutOfSell". Each label is in a stylized, bold font. At the bottom of the form, there are three yellow buttons labeled "Save", "Delete", and "Show Item".

Show_Sell_Item						
	Reg_Num	Name	Quantity	Unit_Price (Ru.)	Out_Of_Sell	Created date
▶	1	kkk	1	0	1	
	2	kkk	1	0	1	
	3	kkk	12	0	2	
	4	fff	5	0	5	
	6	goog	4	0	4	
	50	POO	4	0	4	
	55	oo	5	0	5	
	44	gooog	1	0	1	
	88	pp	1	0	1	2022-07-30 00:18:41
	46	ggg	56	0	3	2022-07-30 00:39:10
	23	lap	2	30	2	2022-07-30 09:29:51
	21	bag	44	10	4	2022-07-30 09:38:10
	7	mouse	10	1	2	2022-07-31 20:22:30
	5	moniter	255	25	4	2022-08-01 21:52:07

Field Name	Field Type	Content	Required	Min Cha.	Max Cha.	Notes
Reg. No	Table	Text	Yes	4	8	Type here
Item Name	Table	Text	Yes	8	12	-
Quantity	Table	Number	Yes	3	20	-
Unit Price (Ru.)	Table	Currency	Yes	2	10	-
Out of Sell	Table	Yes/No	N/A	N/A	8	-
Created Date	Table	Date & Time	Yes	-	-	=
Delete	Command Button	N/A	N/A	N/A	N/A	Click on
Save	Command Button	N/A	N/A	N/A	N/A	Click on
Show Item	Command Button	N/A	N/A	N/A	N/A	-