

# Business Requirement Specification

[Hospital Management System]

[Shah Medical Complex]

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#### **ACRONYMS AND ABBREVIATIONS**

Serial #	Acronym	Abbreviation				
1	CO	Counter Operator				
2	ОТО	Operation Theater Operator				
3	РО	Pharmacy Operator				

#### 1 Introduction

Our Proposed System will be a web-based system and it will handle and proceed the accounts solution of Hospital and Pharmacy. User will be able to add medicines, print medicines bills of Pharmacy and keep track of Pharmacy stock. System will also provide daily reports on Admin's different businesses as well as Pharmacy and Hospital.

#### 1.1 Purpose

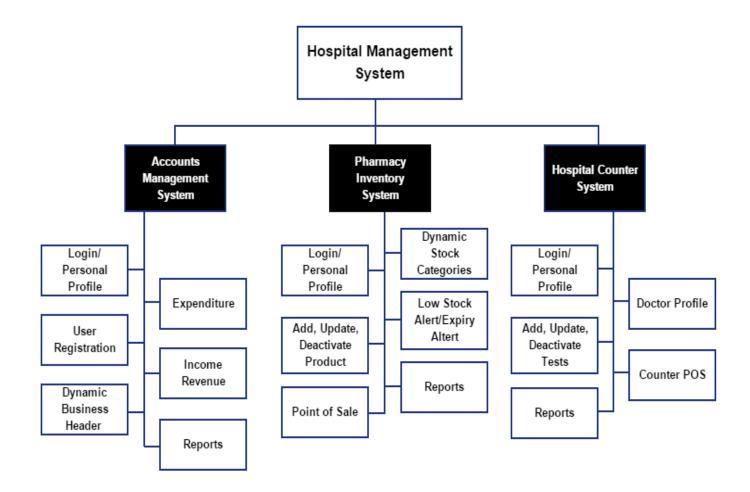
The purpose of this document is to present a detailed description of the Web based Solution. It will explain the purpose and features of the system, interfaces of the system, what system will do, the constraints under which it must operate and how the system will react. This document is intended for both the stakeholders and the developers of the system.

#### 1.2 List of Major Project Deliverables (Modules)

- Accounts Management System
- Pharmacy Inventory System
- Hospital Counter System

# 2 Interactions

# 2.1 System Hierarchy



## **3** Functional Requirements

#### 3.1 Admin

- Admin will be able to login the system.
- Admin will be able to change password and update personal profile.
- Admin will be able to add/update/de-activate users (CO, OTO and PO).
- Admin will be able to view registered users list and details of each user.
- Admin will be able to add/update/de-activate business headers.
- While registering a new business header, admin will be able to select a category for each header. As each category has its own type, system will enable the types accordingly. Following are the categories and their types:
  - Hospital (Types: Expense/Naam)
    - Income/Jama will be updated automatically from CO and OTO portals.
  - Other Businesses (Types: Expense/Naam and Income/Jama)
  - Stock (No type)
- Admin will be able to view registered business headers and details of each header.
- Admin will be able to enter Income, Expense and Stock value against each relevant business header (Income/Naam of category "Hospital" will be updated automatically from CO and OTO portals).
- **Naam** is the cumulative addition of the expenses of a specific business header.
- **Jama** is the cumulative addition of the income of a specific business header.
- Cash in Hand is the difference between total Income and Expense of all categories business headers excluding "Stock".
- Admin will be able to view/print following reports from the system.
  - Daily, weekly, monthly and yearly reports of revenue and expense of each header.
  - Pharmacy reports includes income, expense and stock reports (from or to date selection).

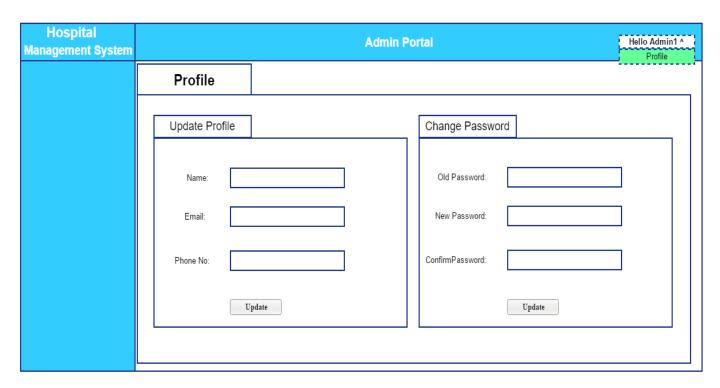
 Hospital Counter System report includes: Doctor's reports, no of test conducted reports etc.

#### 3.1.1 Interfaces

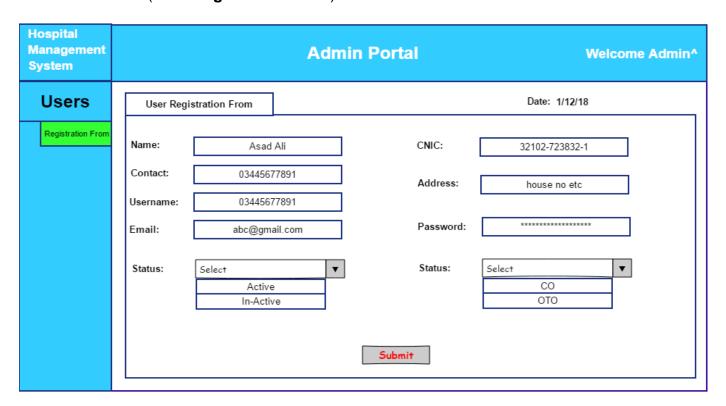
• Interface 1 (Login)



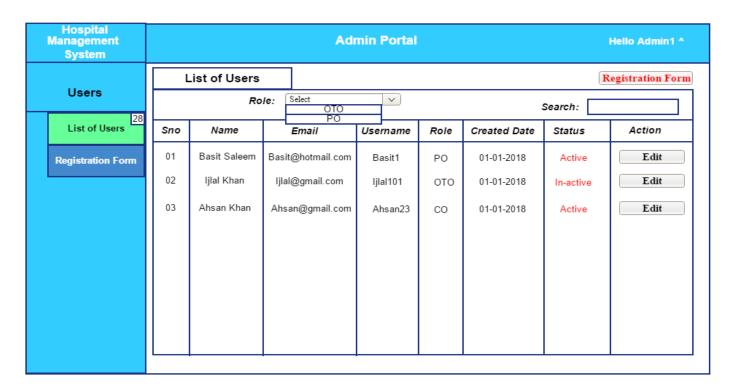
• Interface 2 (Update Profile/Change Password)



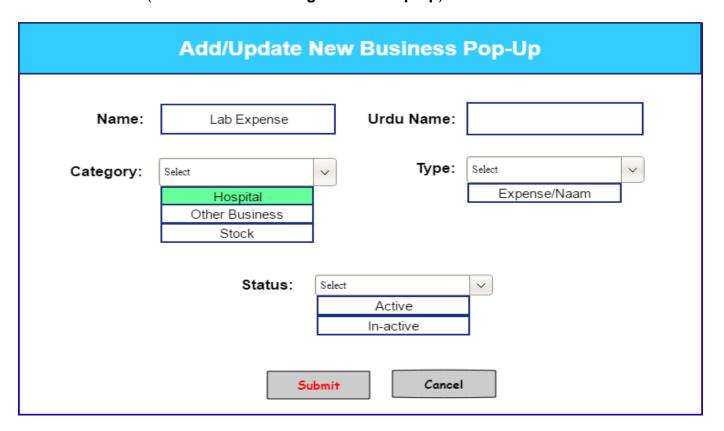
• Interface 3 (User Registration Form)

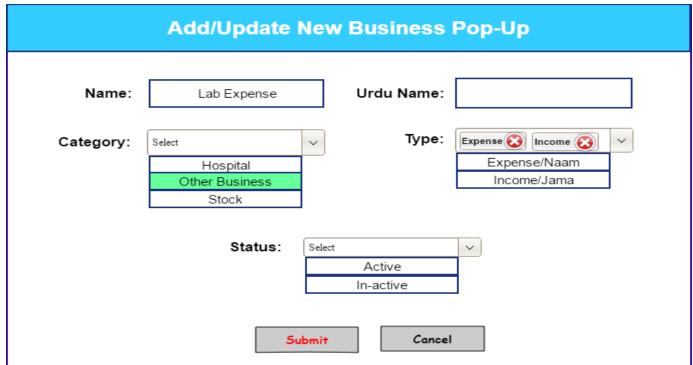


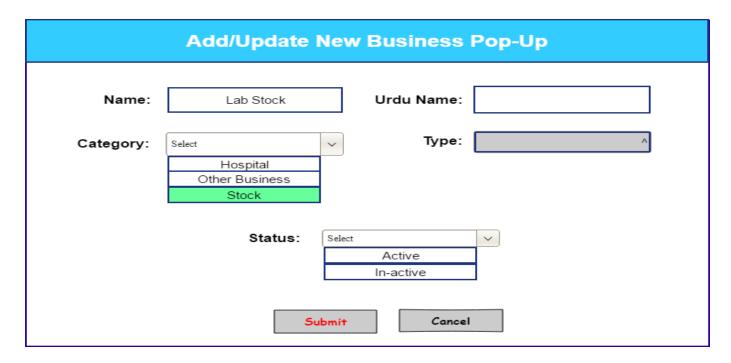
• Interface 4 (List of Registered Users)



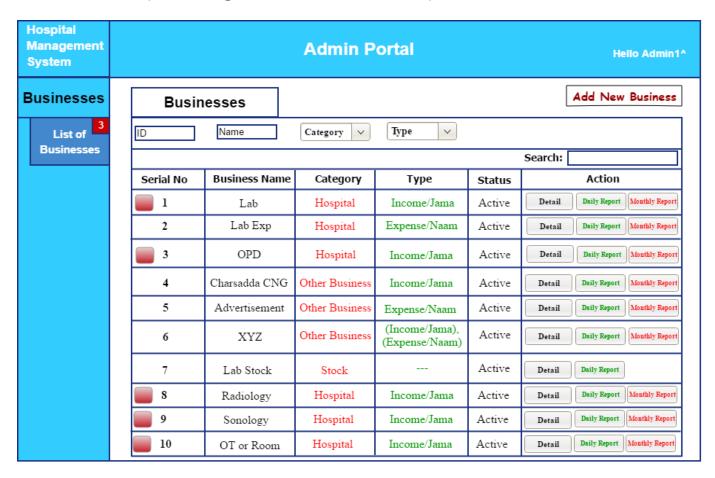
• Interface 5 (Business Header Registration Pop-up)







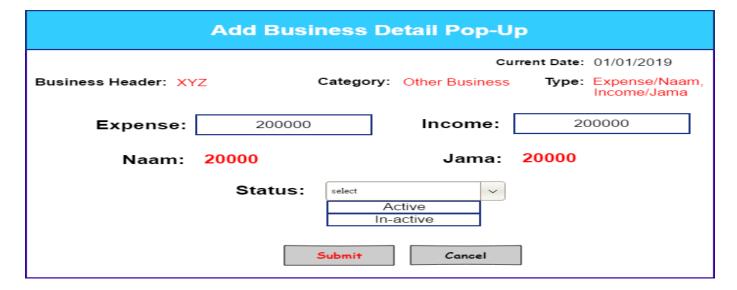
• Interface 6 (List of Registered Business Headers)



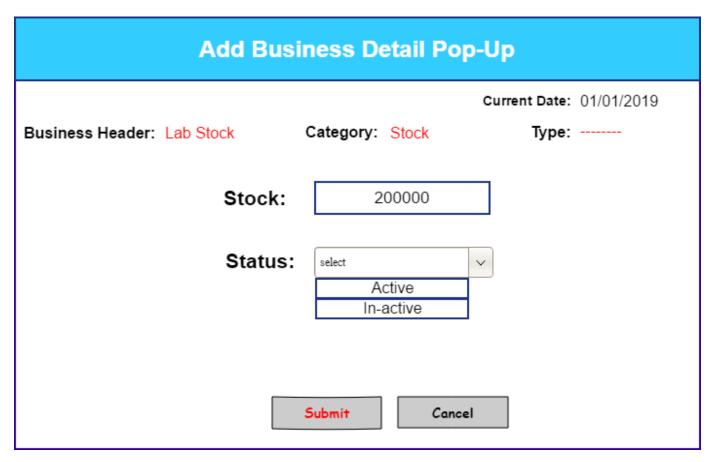
• Interface 7 (Add Income/Expense/Stock Pop-up)

Add Business Detail Pop-Up						
	Current Dat	e: 01/01/2019				
Business Header: Lab Exp	Category: Hospital Typ	e: Expense/Naam				
Expense:	200000					
Naam:	20000					
Status:	Active In-active					
	Submit Cancel					

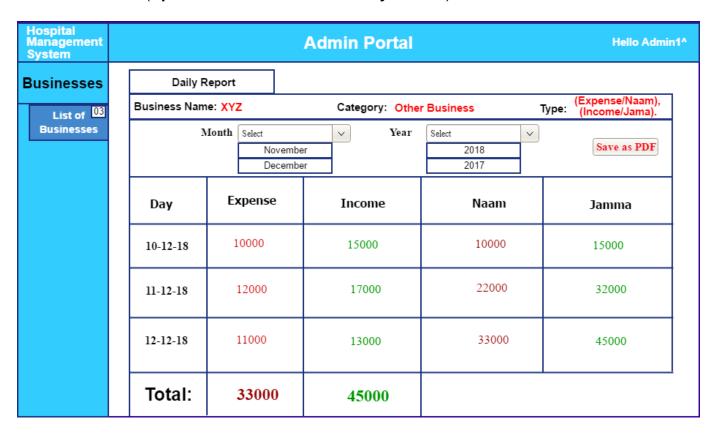
Add Business Detail Pop-Up						
	Curre	ent Date: 01/01/2019				
Business Header: Advertisement	Category: Other Business	Type: Expense/Naam				
Expense	<b>2</b> 00000					
Naam	1: 20000					
Status:  Active In-active						
Submit Cancel						

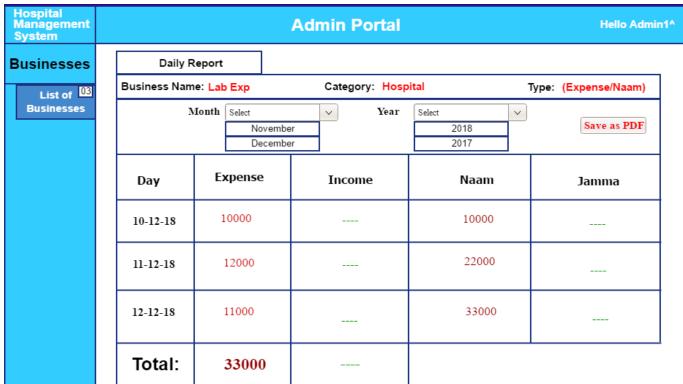


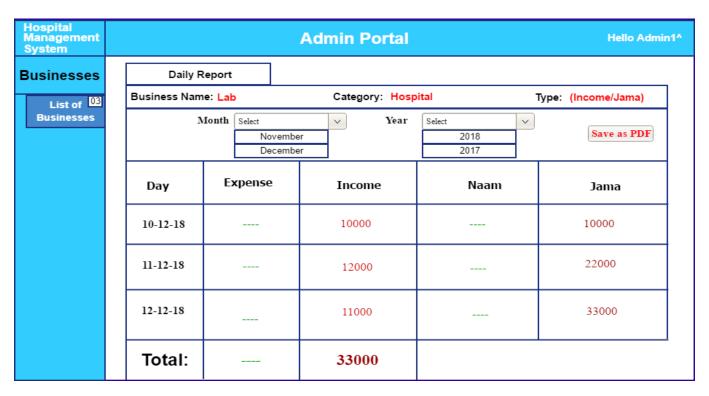
Add Business Detail Pop-Up					
		Current Date: 01/01/2019			
Business Header:	Charsadda CNG	Category: Other Business Type: Income/Jama			
	Income	200000			
	Jama	20000			
Status: select  Active  In-active					
Submit Cancel					

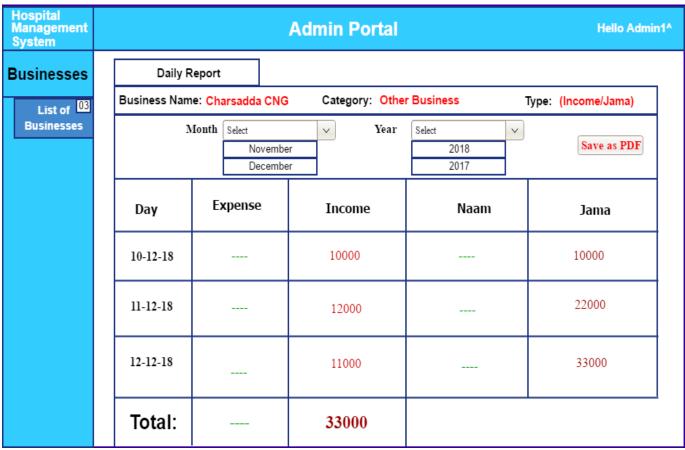


• Interface 8 (Specific Business Header Daily Details)

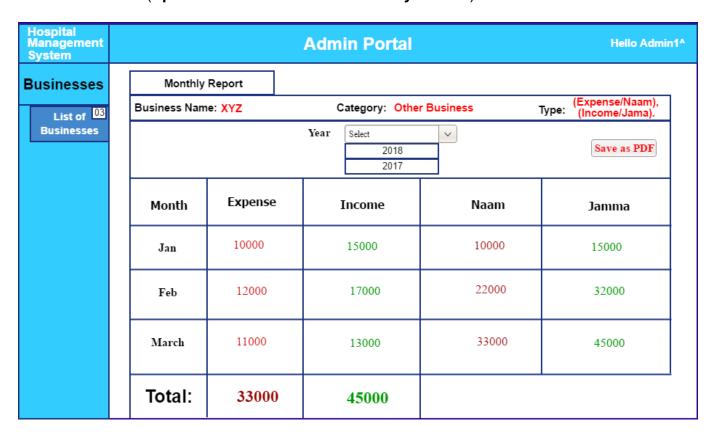


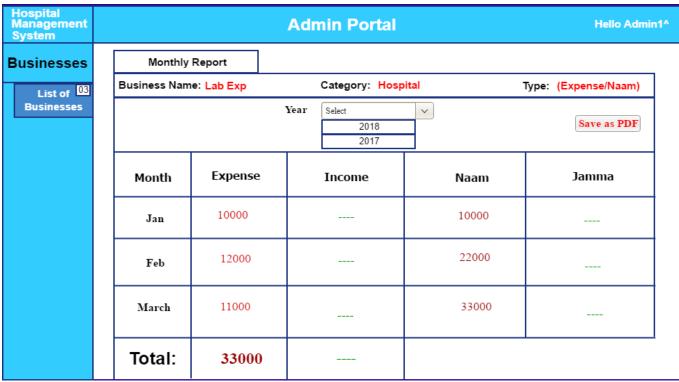


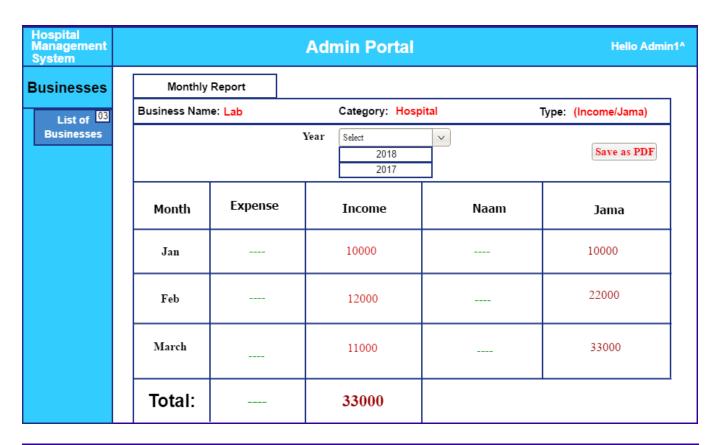


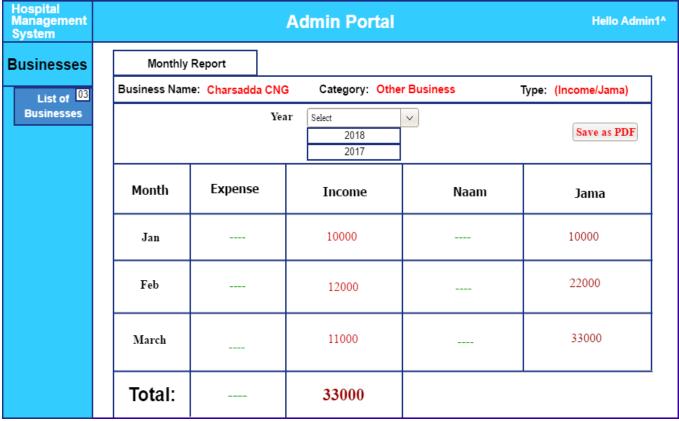


• Interface 9 (Specific Business Header Monthly Details)

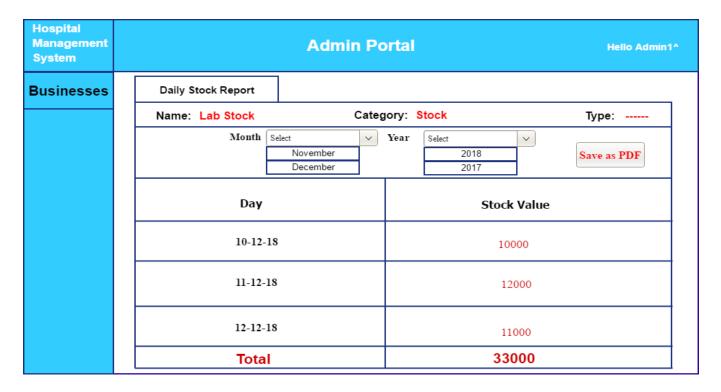








• Interface 10 (Specific Stock Daily Report)



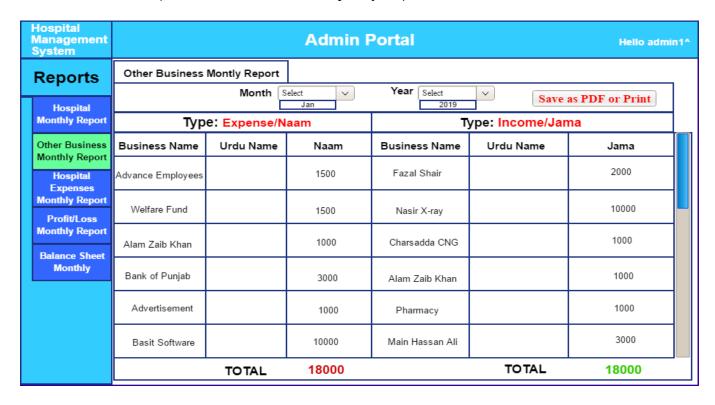
• Interface 11 (All Stock Monthly Report)



• Interface 12 (Monthly Detailed Report)

Hospital Management System	Admin Portal Hello admin14						1^
Reports	Monthly Detailed	d Report					
Monthly		Month S	elect V	Year Select	Save	as PDF or Print	
Detailed Report	Тур	e: Expense/N	aam	Т	ype: Income/Jar	na	
Other Business Monthly Report	Business Name	Urdu Name	Naam	Business Name	Urdu Name	Jama	
Hospital Expenses	Mess		1500	OPD		2000	
Monthly Report  Profit/Loss	Stationary		1500	Sonology		10000	
Monthly Report  Balance Sheet	LAB Exp		1000	LAB		1000	
Monthly	ОТ		3000	ОТ		1000	
	Advertisement		1000	Radiology		1000	
	Cash In Hand		10000	Charsadda CNG		3000	
		TOTAL	18000		TOTAL	18000	

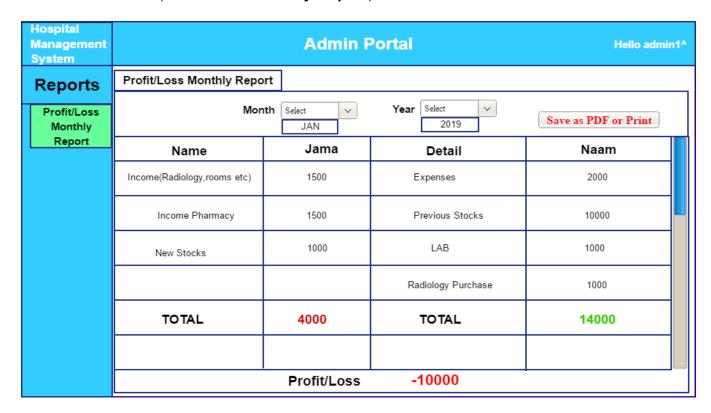
Interface 13 (Other Business Monthly Report)



• Interface 14 (Hospital Expenses Monthly Report)

Hospital Management System	Admin Portal Hello admin1					
Reports	Hospital Expenses Monthly Repo	rt				
Hospital Expences	Month Select JAI	Year   Select   2019	Save as PDF			
Monthly Report	Name	Urdu Name	Naam			
	Stationary		1500			
	Welfare Fund		1500			
	Employee Pay		1000			
	Maintenance		3000			
	Radiology		3000			
	ОТ		3000			
		TOTAL	13000			

Interface 15 (Profit/Loss Monthly Report)



• Interface 16 (Balance Sheet Monthly)

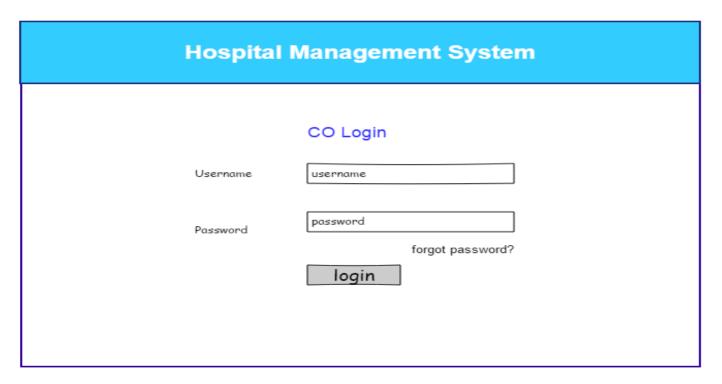
Hospital Management System	Admin Portal Hello admin1^					
Reports	Balance Sheet					
Balance Sheet	Мо	Select V	Year Select V	Save as PDF or Print		
Monthly	Detail	Jamma	Detail	Naam		
	Other Parties	1500	Other Parties	1500		
	PLS	1500	Cash In Hand	1500		
	Profit Loss	1000	New Stocks	1000		
	TOTAL	4000	TOTAL	4000		

#### 3.2 CO

- CO will be able to login the system.
- CO will be able to change password and update personal profile.
- CO will be able to add/update/view/deactivate doctors.
- CO will be able to add/update/view/deactivate tests.
- CO will be able to generate customer bills from the system.
- CO will be able to print bills of patients.
- CO will be able to print daily, weekly and monthly reports.

#### 3.2.1 Interfaces

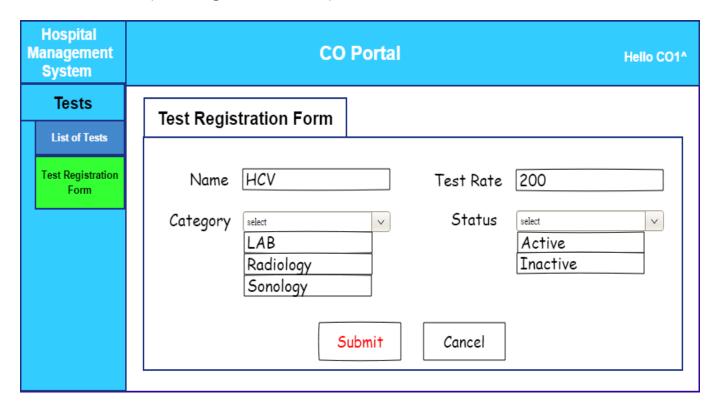
• Interface 1 (Login)



• Interface 2 (Update Profile/Change Password)



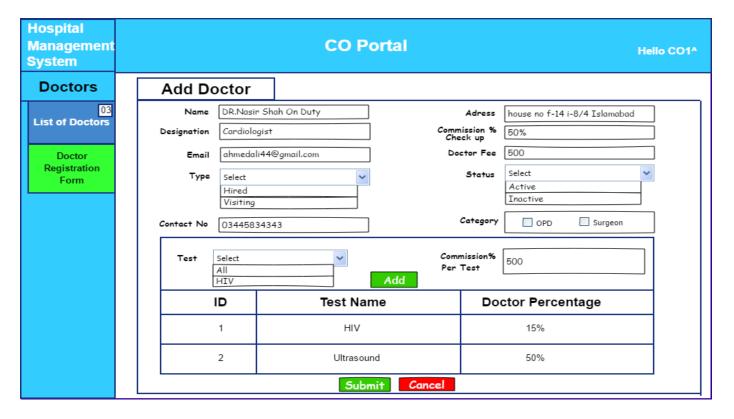
• Interface 3 (**Test Registration Form**)



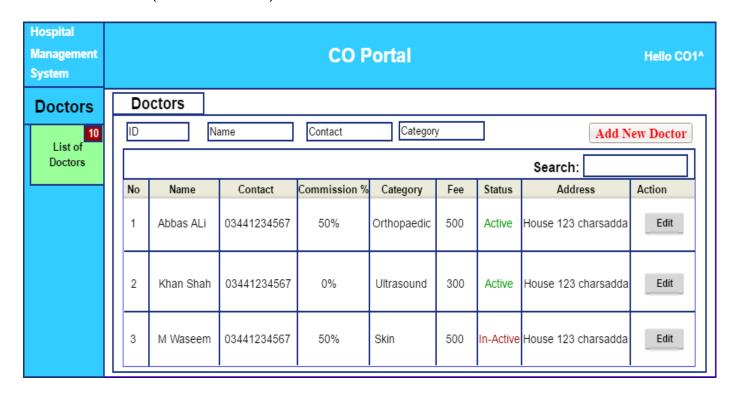
• Interface 4 (List of Registered Tests)



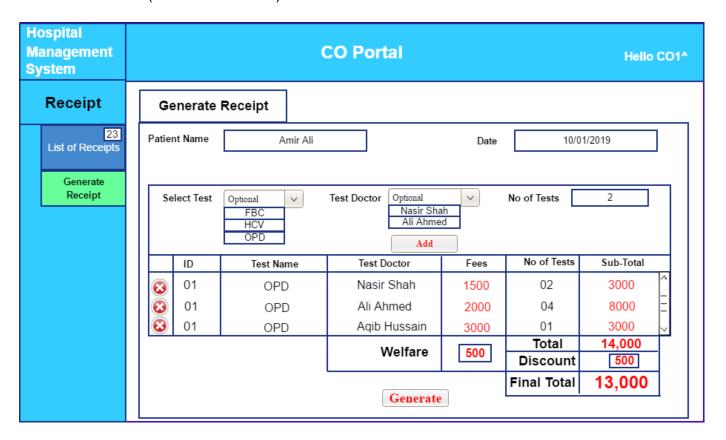
• Interface 5 (**Doctor Registration Form**)



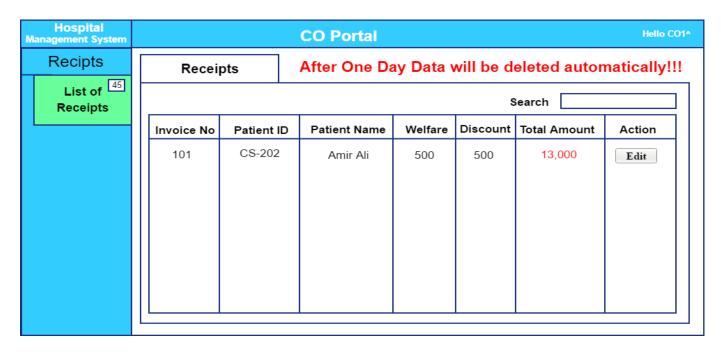
Interface 6 (List of Doctors)



• Interface 7 (Patient Print Bill)



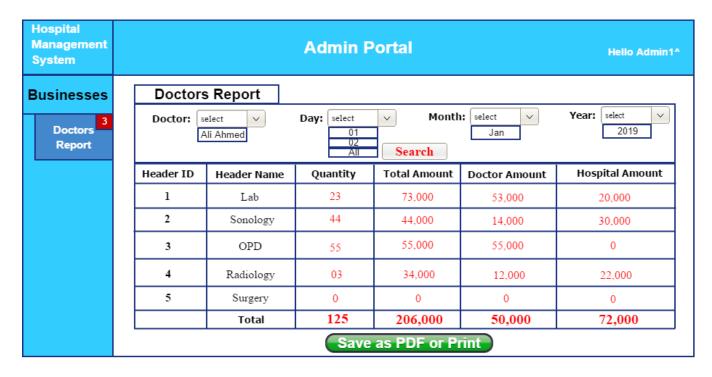
• Interface 8 (List of Receipts)



Interface 9 (Printed Bill)

Bill							
	Shah Medical Complex Charsadda 091-6515077						
Date: 22-12-2019 Customer: Basit Saleem Invoice No: 01 Counter Operator: Ahmed Ali Customer ID: 101							
ID	Test Name	Amount	No of tests				
1	OPD	500	1				
2	HIV	1000	2				
3	Blood Test	200	2				
То	tal Amount	29	900				
Welfare		500					
Discount		ŧ	500				
Total Payment		1	900				

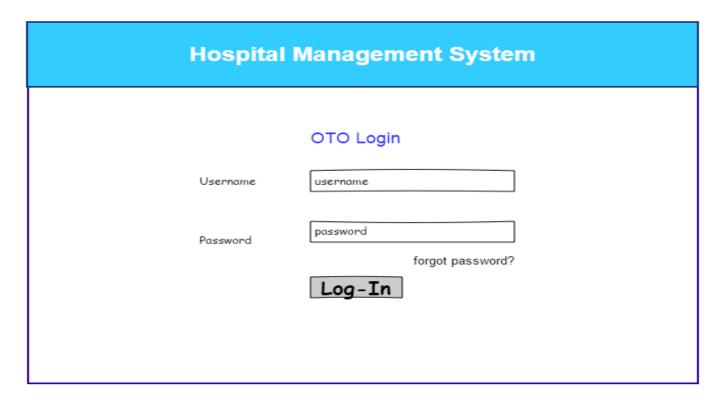
Interface 10 (Doctors Report)



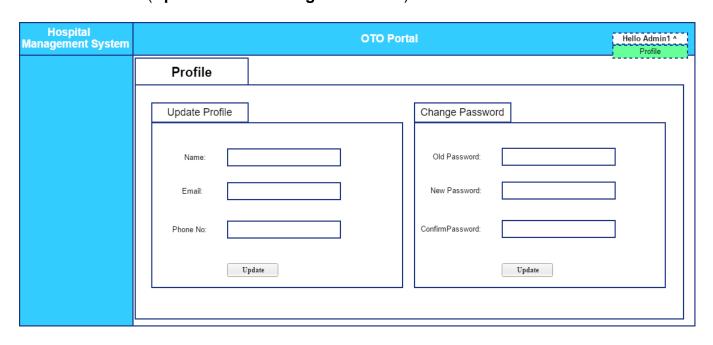
#### 3.3 OTO

#### 3.3.1 Interfaces

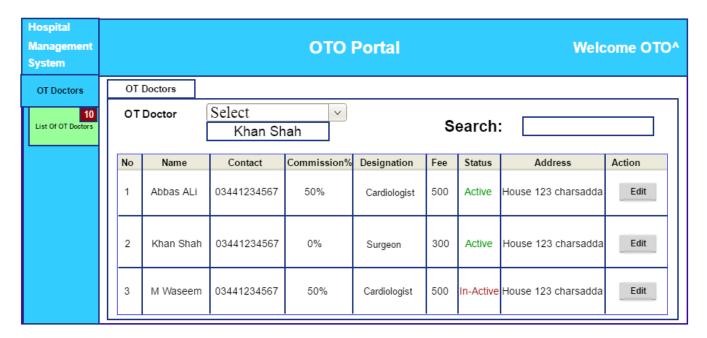
• Interface 1 (Login)



• Interface 2 (Update Profile/Change Password)



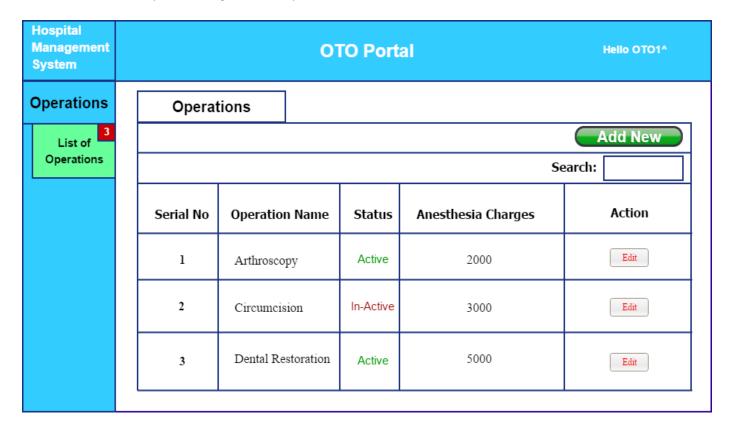
• Interface 3 (List of OT Doctors)



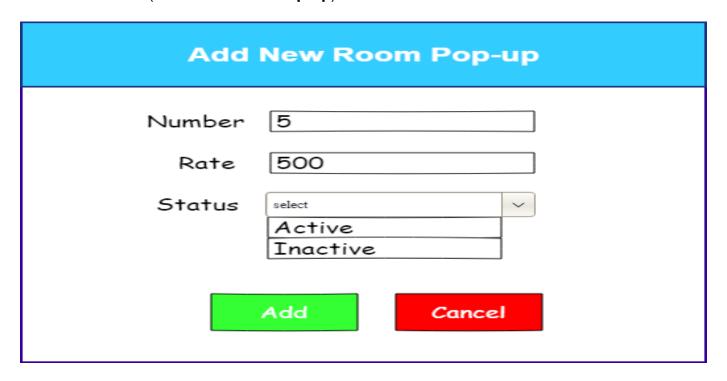
Interface 4 (Add New Operation Pop-up)



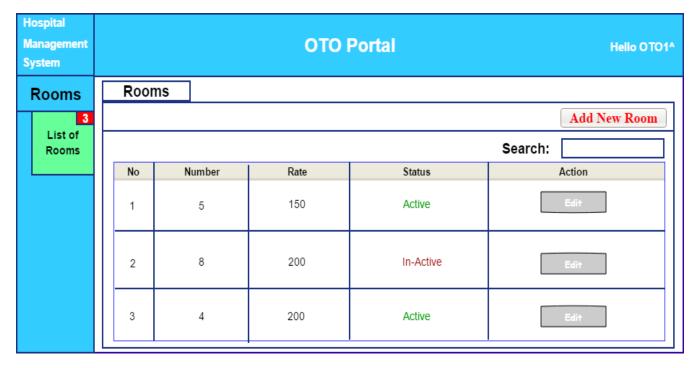
• Interface 5 (List of Operations)



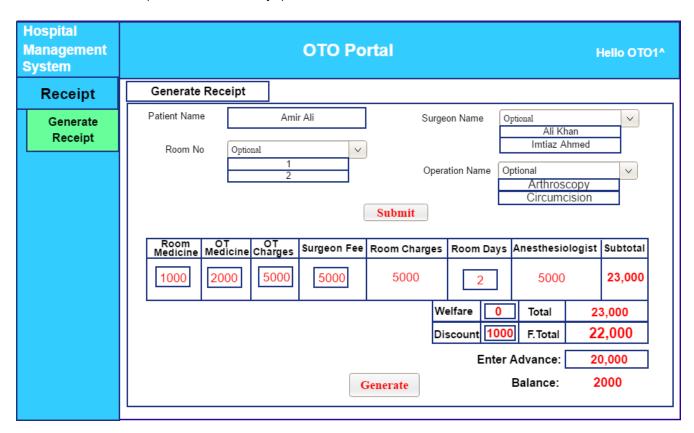
• Interface 6 (Add New Room Pop-up)



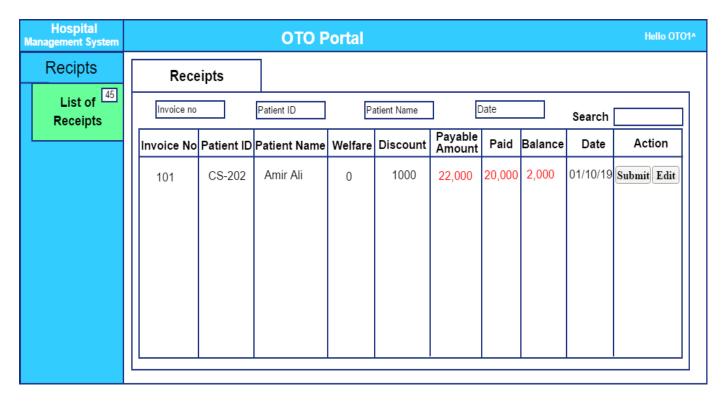
• Interface 7 (List of Rooms)



• Interface 8 (Generate Receipt)



• Interface 9 (List of Receipts)



• Interface 10 (Submit Payment Pop-up)



• Interface 11 (Printed Bill)

# Bill

# Shah Medical Complex

# Charsadda

091-6515077

Date: 22-12-2019 Customer: Basit Saleem

Serial: 01 Counter Operator: Ahmed Ali

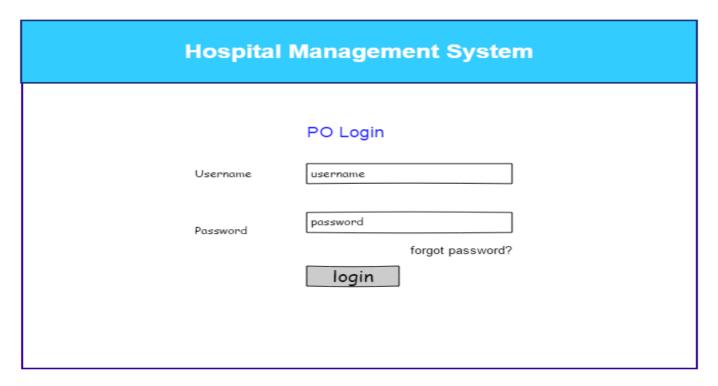
Surgeon Name: Ishtiaq Ahmed Operation Name: Arthroscopy

ID	Particular	Amount
1	Room Charges	500
2	Surgeon Fee	10000
3	Anesthesiologist Fee	3000
4	Room Medicine	3000
5	OT Charges	10000
6	Advance	8000
	Total Amount	15500
	Welfare	5000
Discount		5000
	Total Payment	5500

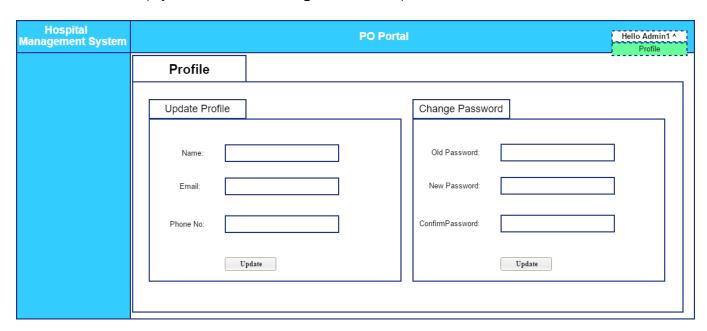
#### 3.4 PO

#### 3.4.1 Interfaces

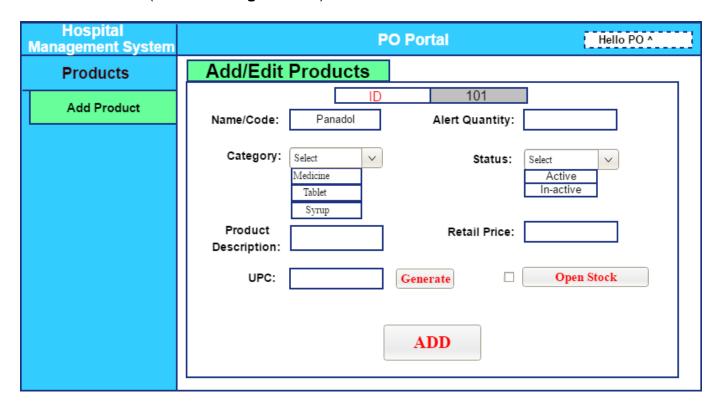
• Interface 1 (Login)



• Interface 2 (Update Profile/Change Password)



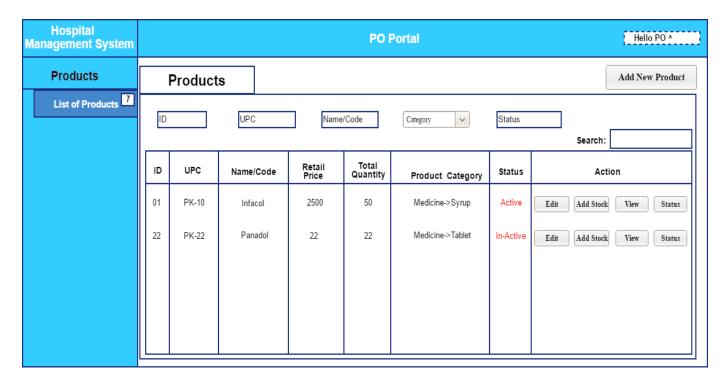
• Interface 3 (Medicine Registration)



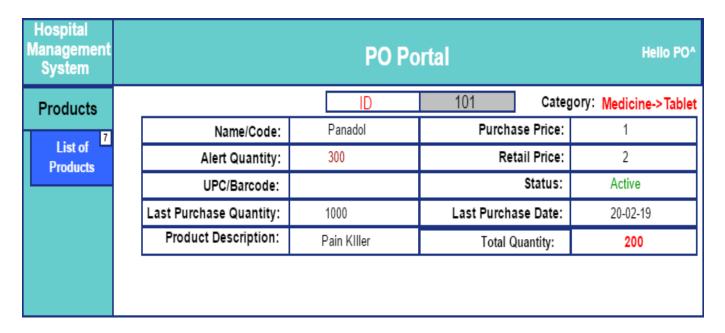
• Interface 4 (Open Stock Pop-up)//alert no of days before expiry discussion???

Open Stock Pop-up								
Warehouse: Default		ame: Panadol y: Medicine->Tab	UPC: 101235 olet					
Expiration Date: 01/01/19								
c	Quantity: 25							
Purcha	Purchase Price: 1200							
Submit								

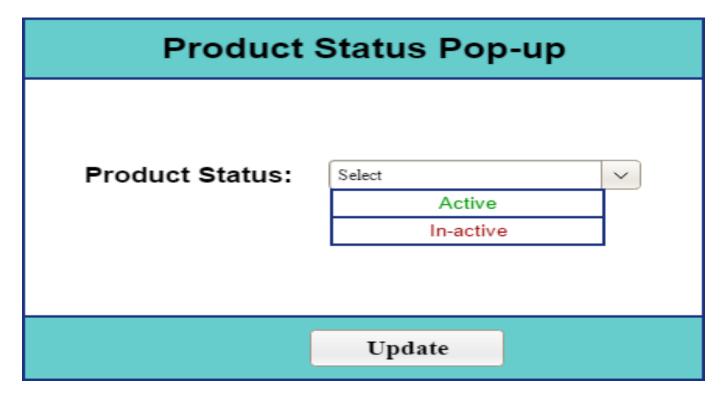
• Interface 5 (Medicine List)



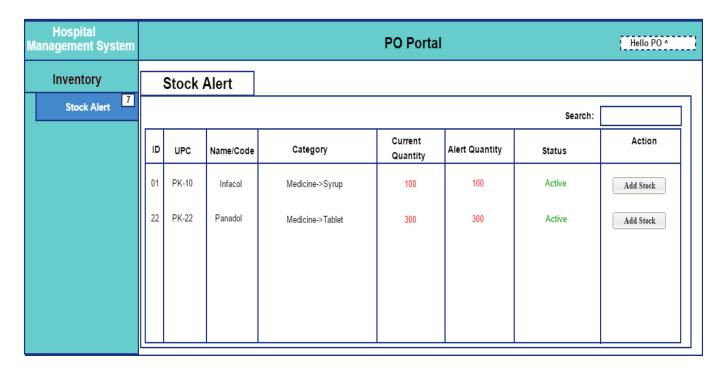
 Interface 6 (Product Details View)//expiry date discussion weather to show here or not



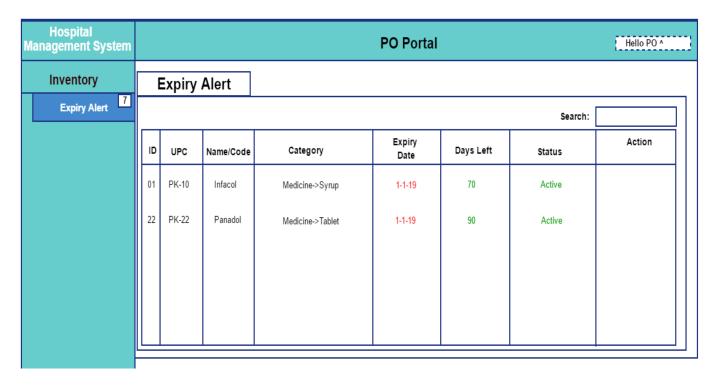
• Interface 7 (Product Status Pop-up)



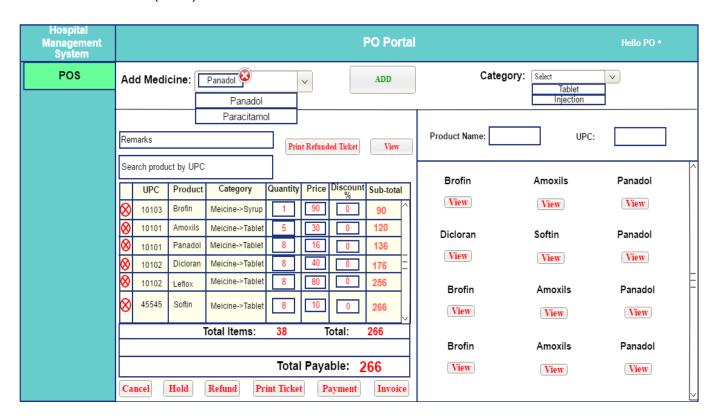
Interface 8 (Stock Alert)



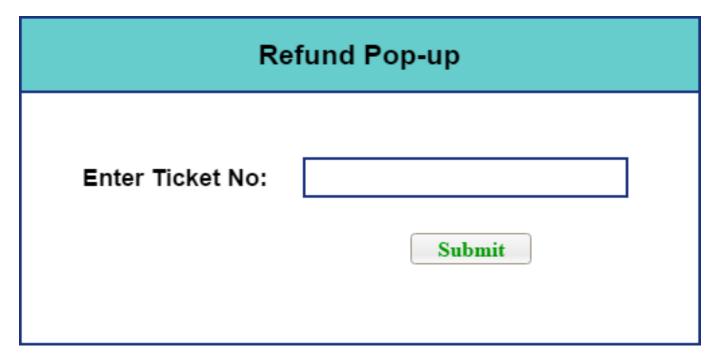
• Interface 9 (Expiry alert)



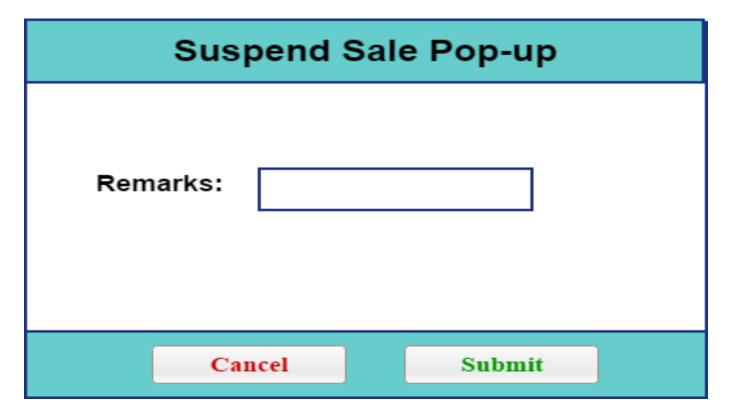
• Interface 10 (POS)



• Interface 11 (Medicine Return)



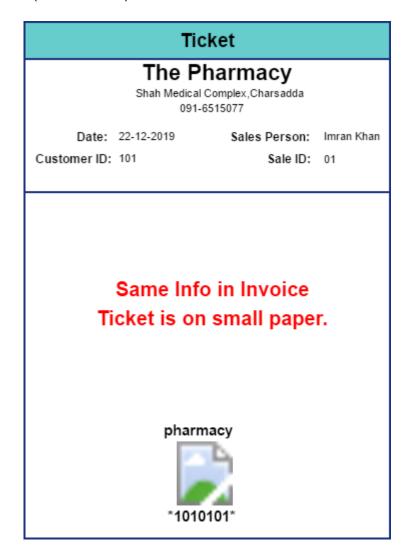
• Interface 12 (Suspend Sale)



• Interface 13 (Payment Pop-up)

Payment Pop-up						
Total Items: 38	Total Payable: 266					
Total Paying: 266	Balance: 0					
Note:						
Amount: 266						
Close Submit						

• Interface 14 (Print Ticket)



• Interface 15 (Print Bill)

# The Pharmacy

Shah Medical Complex, Charsadda 051-2105233

Date: 22-12-2019 Invoice No: IN-1024

Sales Person: Imran Khan

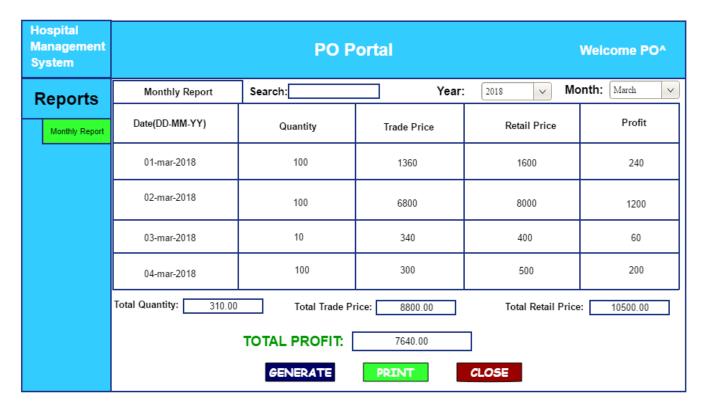
Product ID	Product	Category	Quantity	Price	Discount	Sub-total
10101	Brofin	Medicine->Syrup	1	90	0%	90
1024	Amoxils	Medicine->Tablet	5	30	0%	120
1024	Panadol	Medicine->Tablet	8	16	0%	136
2244	Dicloran	Medicine->Tablet	8	40	0%	176
2244	Leflox	Medicine->Tablet	8	80	0%	256
5555	Softin	Medicine->Tablet	8	10	0%	266

Total 266
Grand Total 266

Amount: 266 Change: 00

Ticket No: TIC-1010101 Back Print

• Interface 16 (Detailed Monthly Report)



Interface 17 (Detailed Daily Report)

