



THILAKA MULTI SHOP STOCK MANAGEMENT SYSTEM

GROUP-O

Declaration of Authorship

We Mr.A.Thushanthan, Mr.A.Aravinthan, Mr.A.Venuraj, Mr.P.Lanojan are here by certifying that this project titled “**Stock Management System**” is entirely our own work. It has been not submitted or it is not being concurrently submitted for any other degree.

.....
A.Thushanthan(2013/CSC/023)

.....
A.Aravinthan (2013/CSC/021)

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A.Venuraj (2013/SP/041)

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P.Lanojan (2013/CSC/016)

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Supervisor,
Dept of Computer Science,
Faculty of Science.

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Head of the dept,
Dept of Computer Science,
Faculty of Science.

Contribution of each member

A.Thushanthan

He gave the idea to do this stock management system for our software engineering course unit.

He is good in C# and he took a main part for develop the billing system in the short time interval and also help to build the project.

P.Lanojan

He helped to get the customer.

He is good in interface development and he took a part for creating interface and help to solve some problem in the code developing part.

A.Venuraj

He is good in MySQL and he took a major part in connecting sql server to visual studio, develop the login page and data entry to the sql.

A.Aravinthan

He also a good interface developer and he took a part for developing a colourful interface and also help to solve some problem in the coding part.

Consent of the Client

Department of computer Science

Faculty of science

University of Jaffna

Kandipan

ThilakaMulti-Shop

Kokuvil, Jaffna

Sir,

Requesting permission to use the stocks for implementing stock management system

We are the computer science students from university of Jaffna. In our studies we need to implement a software for our graduation. we decided to implement stock management system for our project. Therefore We like to do this project using real data.

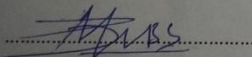
We kindly request you to give a permission to use your shop's data's and products for implement this software. We ensure that it will very useful for you and your shop.

Your Faithfully,

Students

Computer science.

I will give permission to these students to use our shop products and data for implement that software.



Owner of the shop

Table of Content

Declaration of Authorship.....	2
Contribution of each member.....	3
Consent of the Client	4
Table of Content	5
Introduction.....	6
<i>Purpose of the project</i>	<i>6</i>
<i>Overview of the document</i>	<i>6</i>
Requirements Specifications.....	7
Software Design.....	8
<i>Use case Diagram.....</i>	<i>8</i>
<i>Sequence Diagram</i>	<i>9</i>
<i>Software Design</i>	<i>11</i>
Implementation.....	15
<i>Tools, Techniques and Justification</i>	<i>15</i>
<i>Special Features.....</i>	<i>15</i>
Discussions and challenges	18
References.....	18
Appendices	18

Introduction

Purpose of the project

Stock management system is everywhere. Big shopping malls, Food cities, Super markets already have a stock management system. But srilankan economy is very poor. Most of the shops in srilanka don't have a proper stock management system. Therefore our group decided to solve this problem and we finalize our project as stock management system and also we didn't target the big shop, we consider only the small shop and we provide our software for free and make an awareness about importance of computer technology in the world.

Overview of the document

In this documentation we consider about gathering requirements and the problem we met when gathering the information, software designs and the model graphs, special features in our software, the technical and physical challenges we met when implement the software and the references we use.

Requirements Specifications

In the requirement collection we first deal with our customer .we first asked what they need.

Then we decided what are the requirements we need and we collect them from our customer.

We collect some bills from the shop for summarize our project and made a plan.

[illegible]

T.P: 021 222 6813, 021 4921185.
 021 4921259, 021 222 6813

05/10/15

Qty	Description	Rate	Rs.	Cr
600	1000		310	
1	1000		1500	
1	1000		120	
1	1000		100	
1	1000		680	
1	1000		10120	
1	1000		1800	
1	1000		11160	
1	1000		1545	
1	1000		1410	
1	1000		9310	
1	1000		5010	
1	1000		1425	
1	1000		900	
1	1000		5430	
1	1000		1250	
1	1000		10200	
	Total		50760	

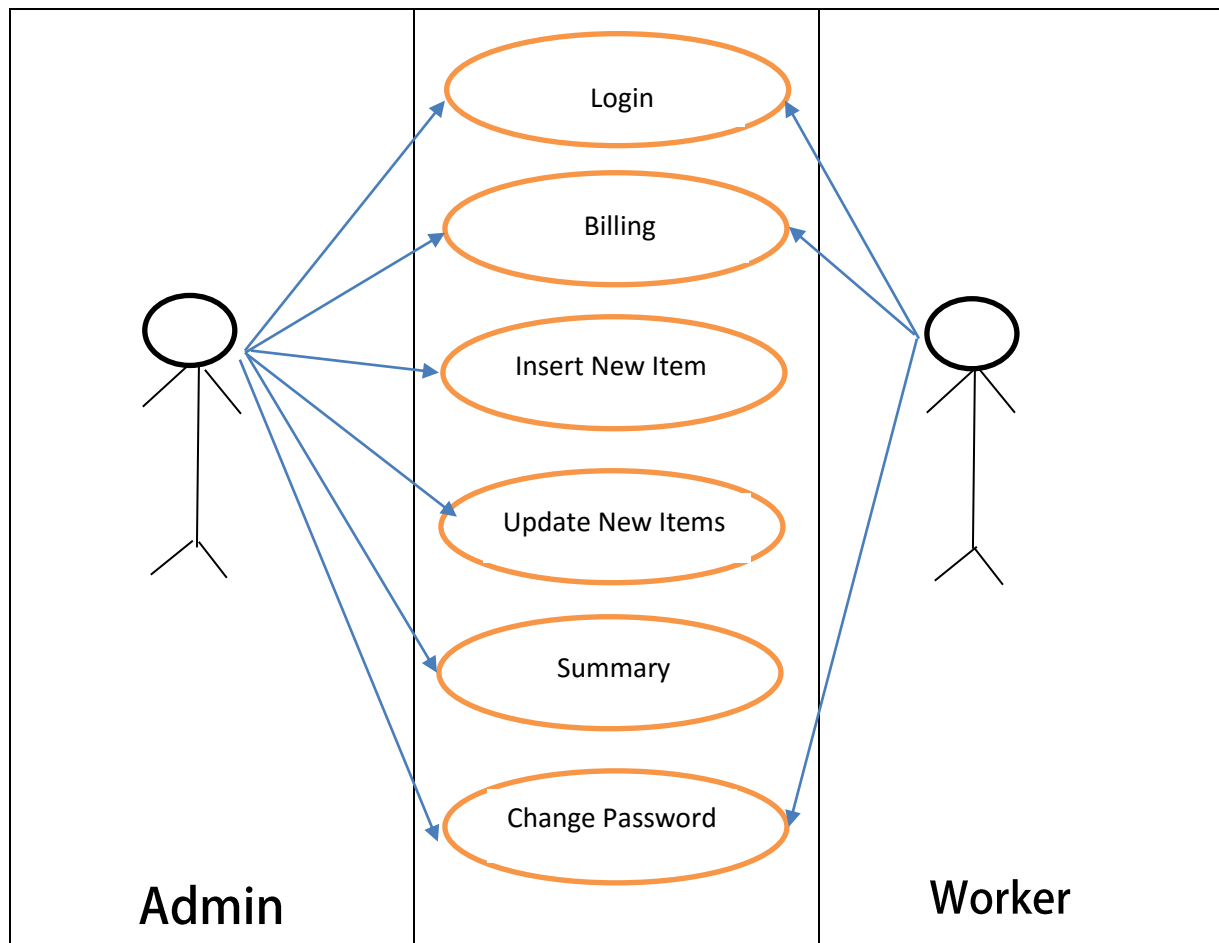
2045

[illegible]

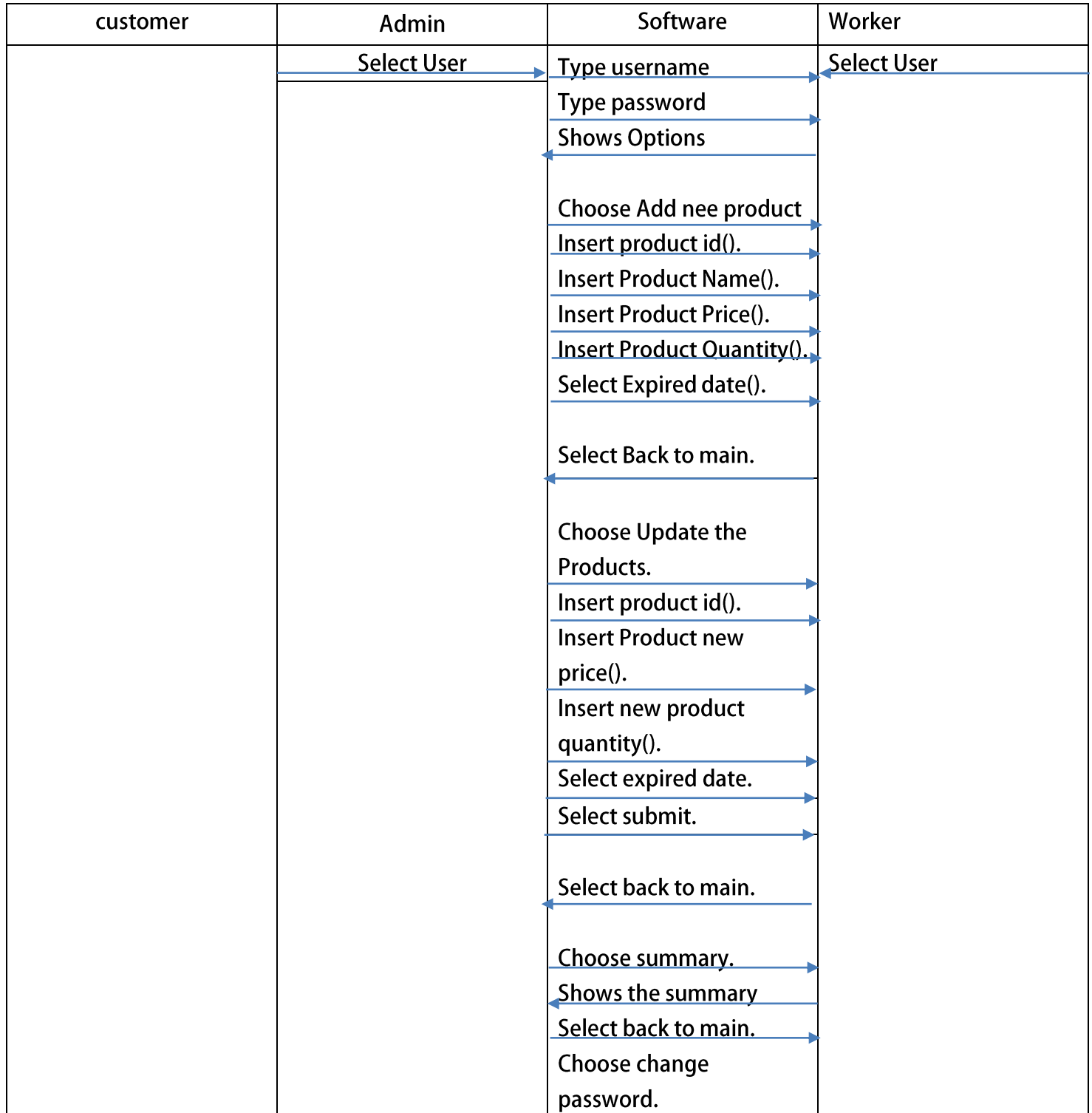
T.P: 021 222 6013, 021 4921185, 021 481159, 021 222 6013		10 10 15
Description	Rate	Rs. Cts.
10 10 15		6000
10 10 15		1200
10 10 15		1000
10 10 15		780
10 10 15		1200
10 10 15		2100
10 10 15		4071
10 10 15		5001
10 10 15		1710
10 10 15		2160
10 10 15		710
10 10 15		990
10 10 15		2460
10 10 15		3100
10 10 15		1200
10 10 15		7920
10 10 15		11160
10 10 15		60110
10 10 15		1869

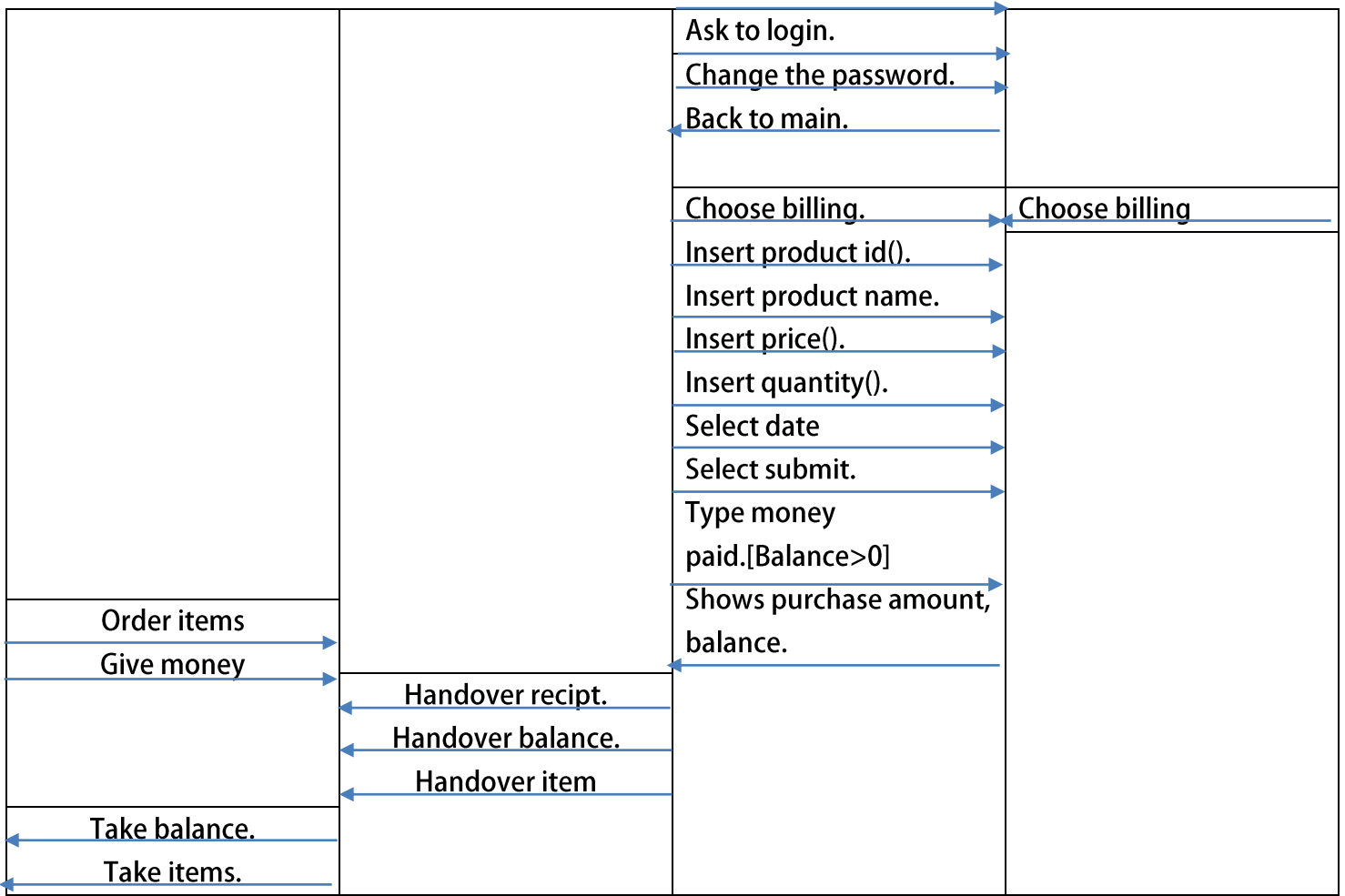
Software Design

Use case Diagram

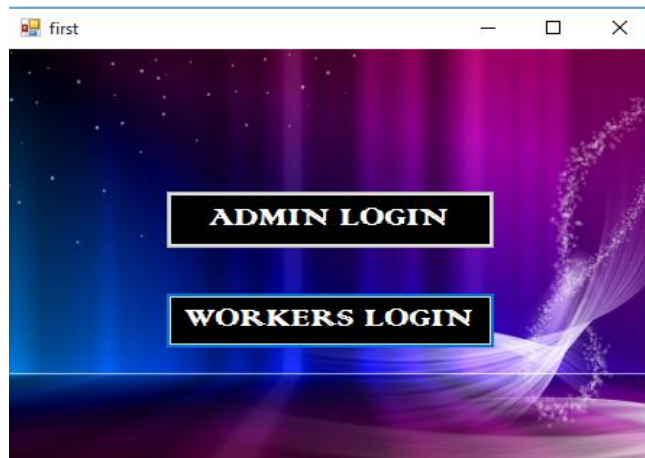


Sequence Diagram





Software Design



The admin login screen, titled 'loginA', has a dark background with a colorful, abstract light pattern. It contains the following elements:

- A label 'ADMIN' in a stylized font at the top left.
- Two input fields: 'User Name' and 'Password'.
- Four buttons: 'LOG IN', 'EXIT', 'CHANGE PASSWORD', and 'Back' (bottom right).

The workers login screen, titled 'loginW', has a dark background with a colorful, abstract light pattern. It contains the following elements:

- A label 'WORKERS' in a stylized font at the top left.
- Two input fields: 'User Name' and 'Password'.
- Four buttons: 'LOG IN', 'EXIT', 'CHANGE PASSWORD', and 'Back' (bottom right).

Enter Correct User Name and Password then click Login

The main menu screen, titled 'main', features a background image of several colored pencils. The text 'THILAKA MULTI-SHOP' is at the top. On the right side, there are five buttons stacked vertically: 'BILLING', 'Insert New Item', 'Update New Item', 'Summary', and 'CHANGE PASSWORD'. At the bottom left, there is a 'Lock Out' button.

The billing screen, titled 'billing', has a dark background with a blue and orange gradient. It contains the following elements:

- Buttons: 'BACK TO MAIN' (top left) and 'LOCK OUT' (top right).
- Form fields: 'Product Name' (with a dropdown list showing items like dhal, sugar, milk, etc.), 'Id' (value 1), 'name' (value dhal), 'price' (value 70), 'quantity' (value 90), and 'date' (value Saturday, February 20, 2016).
- Buttons: 'Submit' and 'BILL'.
- A 'Total' label on the right side.
- A 'Money Paid' input field at the bottom.



id	name	price	quantity	date
1	dhal	70	90	2/20/2016
2	sugar	23	778	2/18/2016
3	milk	50	100	7/6/2016
4	white-rice	80	84	11/24/2019

id	name	price	quantity	date
1	dhal	70	90	2/20/2016
2	sugar	23	778	2/18/2016
3	milk	50	100	7/6/2016
4	white-rice	80	84	11/24/2019
5	brown-rice	75	196	5/22/2017
6	milk-powder	350	84	6/13/2017
7	chilly-powder	80	60	6/13/2017
8	solt	30	40	4/15/2016
9	bulb	50	15	2/20/2016

billing

BILLING SYSTEM

BACK TO MAIN LOCK OUT

Product Name

dhal
sugar
milk
white-rice
brown-rice
milk-powder
chilly-powder
salt
bulb

Id: 1

name: dhal

price: 70

quantity: 90

date: Saturday , February 20, 2016

Submit

Money Paid

BILL

Total



billing

BILLING SYSTEM

BACK TO MAIN LOCK OUT

Product Name

dhal
sugar
milk
white-rice
brown-rice
milk-powder
chilly-powder
salt
bulb

Id: 1

name: dhal

price: 70

quantity: 20

date: Saturday , February 20, 2016

Submit

Money Paid 2000

BILL

Total
1400



printing

Thilaka Multi-Shop

Total Amount Customer Pay 2000

Purchase Amount 1400

Balance 600

Thankyou.. Come Again.. :-)

BACK



loginA

ADMIN

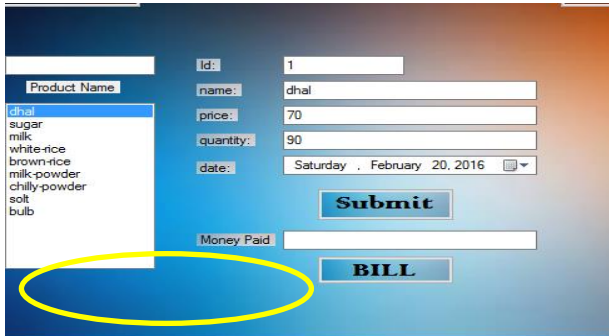
User Name

Password

LOG IN EXIT

CHANGE PASSWORD

Back



main

THILAKA MULTI-SHOP

BILLING

Insert New Item

Update New Item

Summary

CHANGE PASSWORD

Lock Out

Product Name

Id: 1

name: dhal

price: 70

quantity: 90

date: Saturday, February 20, 2016

Submit

Money Paid

BILL

Click Change Password

Click Change Password

Directly goes here



changeepass

Back

Enter the old User Name

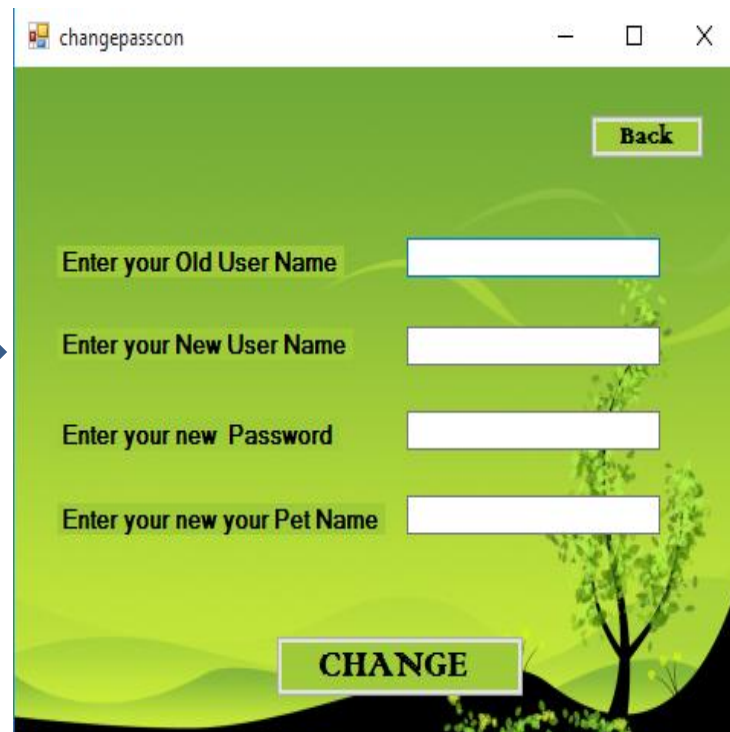
Enter the old Password

Submit

OR

What is your Pet Name

Submit



changepasscon

Back

Enter your Old User Name

Enter your New User Name

Enter your new Password

Enter your new your Pet Name

CHANGE

Implementation

Tools, Techniques and Justification

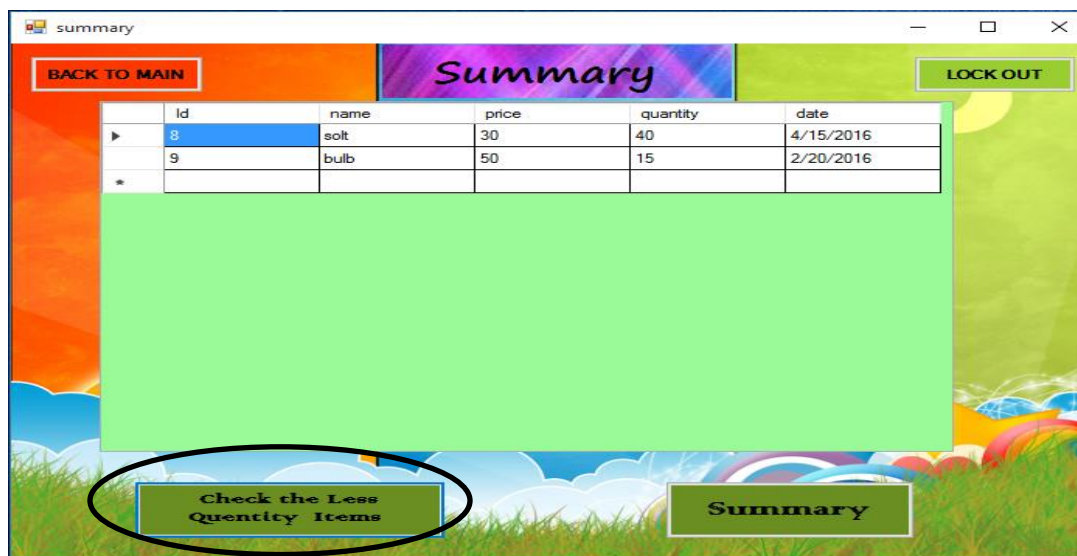
- In here we use visual studio for implement this software . In the visual studio we use C# language to implement this program.
- We used mysql server to store the data.

Special Features

- Every time Admin login his page if the quantity of the product less than 50 it will automatically show some message to refill the quantity.



- In the Summary we can easily find the products which are less than 50 in its quantity .



- In the update we easily find the product id by typing the product name in the left side.

The screenshot shows a web application window titled 'update'. The main heading is 'UPDATE THE PRODUCTS'. On the left, there are input fields for 'Product Id', 'Product New Price', 'Product New Quantity', and 'Expired Date' (set to 2016-02-25). A 'SUBMIT' button is at the bottom left. On the right, there is a search bar labeled 'Type Your Product Name' with the text 'mi' entered. Below the search bar is a table with the following data:

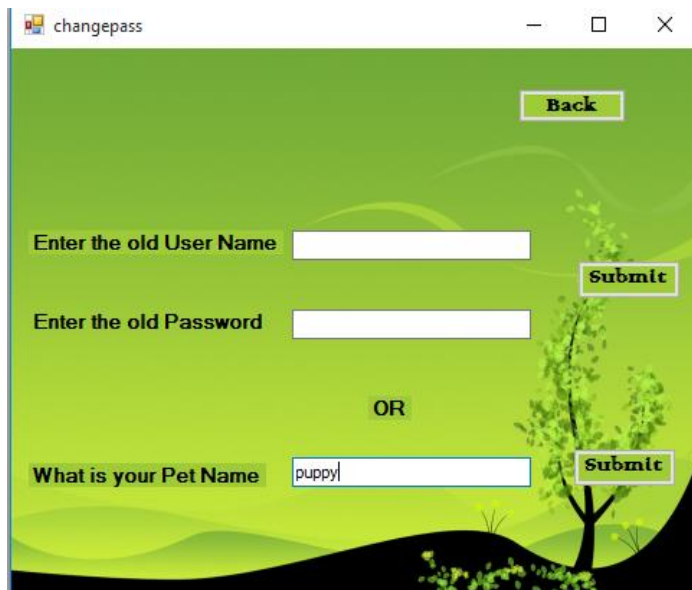
Id	name	price	quantity
3	milk	50	100
6	milk-powder	350	84
*			

Navigation buttons 'BACK TO MAIN' and 'LOCK OUT' are located at the top left and right respectively.

- In the Billing system we can easily find all the details about the product by typing the product name in the left side text box. Specially it will show the expired date ,so the seller assure the product can be used.

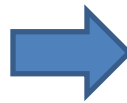
The screenshot shows a web application window titled 'billing'. The main heading is 'BILLING SYSTEM'. On the left, there is a search bar with 'milk-' entered, and a list of product names below it, with 'milk-powder' selected. In the center, there are input fields for 'Id:' (6), 'name:' (milk-powder), 'price:' (350), 'quantity:' (84), and 'date:' (Tuesday, June 13, 2017). A 'Submit' button is below these fields. At the bottom, there is a 'Money Paid' input field and a 'BILL' button. On the right, there is a 'Total' label. Navigation buttons 'BACK TO MAIN' and 'LOCK OUT' are located at the top left and right respectively.

- In the forgot password, sometime if we forgot the username and password then it has a another option called pet name. We can type the pet name and easily change the username and password.



The screenshot shows a window titled "changepass" with a green background and a tree illustration. It contains the following elements:

- A "Back" button in the top right corner.
- Two input fields: "Enter the old User Name" and "Enter the old Password".
- A "Submit" button to the right of the password field.
- The text "OR" centered below the input fields.
- An input field labeled "What is your Pet Name" with the text "puppy" entered.
- A "Submit" button to the right of the pet name field.



The screenshot shows a window titled "changepasscon" with a green background and a tree illustration. It contains the following elements:

- A "Back" button in the top right corner.
- Four input fields: "Enter your Old User Name", "Enter your New User Name", "Enter your new Password", and "Enter your new your Pet Name".
- A large "CHANGE" button at the bottom center.

Discussions and challenges

We have a challenge came from selecting a project and finally with many analysis we decided to do a stock management system for a small shops for free.

We have a challenge came from selecting a platform what we use, then we decided to do the project using visual studio C#. We are starters for visual studio so it is little hard and give a new experience for us.

We have some technical and cording problem occurred and by using internet we solve the problems.

Sometime the cording is correct but there are some bugs occurred.

References

- Watching some YouTube videos.
- We got some coding from internet.
- We got some help from our demonstrators.
- We get some ideas from our seiners

Appendices

Need a copy of our software please contact

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