

NEAR EAST UNIVERSITY

FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES

DEPARTMENT OF COMPUTER INFORMATION SYSTEMS

2009/2010 FALL TERM CIS 400 Graduation Project

CLOCK STOCK CONTROL SYSTEM

Submitted To: Department Of CIS

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Lefkoşa 2010



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ACKNOWLEDGEMENT

I would like to thank to Chairperson Department of CIS Assist. Prof. Dr Yalçın AKCALI, Department to Chairperson of CIS Department Assist. Prof. Dr Nadire CAVUS. And also I would like to thank all of the Department of the Computer Information Systems instructors who helped me to develop my skills.

My friends Gülay OZSENSOY, Ahmet ERCAN, Hidayet YILDIRIM for their psychological support during my university life and during the period of preparing the project.

Also thanks to my family for their psychological support in all parts of life by providing me comfort and the necessary conditions to develop myself and educate in high level.

ABSTRACT

Clock stock control system is the computer software written in VisualBasic. Capabilities of Clock stock control system consist of the selling and buying of products and also show the stocks of the products. It is important program to user all customers and suppliers' operations followed on the computer with easiness.

In the system, User can be registered easily to the system and buy products as much as fast and simply it can be.

In this system, I have used VisualBasic and As database I have used Access.

Processes

- Purchase product
- Sell product
- Reports
- Payment
- Product information and Cashier panel

Purchase process: This process help to buy product from the supplier. First company enter product code, brand, model and purchase price to added database also select the profit for product and automatically selling price come. After enter the supplier information and then company purchase product after give a message 'product has been added to database'.

<u>Sell process</u>: This process help to sell as much as fast and simply. First user select the product then also search customer or if customer is new, user enter customer information. And then selling price comes automatically. This system provide easiness to pay to customer. Customer makes cash or installment payment. If select anybody, payment information comes automatically.

Reports: The system shows customer reports, product in stock reports and selling and buying reports. Customer report shows the customer information. Also shows customer information between to dates. Product in stock report shows the product quantity to remain stock. Buying report shows which product to purchase of company, selling report shows which product to sell to customer. Also if click the invoice number,

customer receipt comes automatically then user print the receipt. **Payment process:** This process provide the easiness to make payment. For example if customer want to make monthly payment to another day, user immediately enter the customer installment menu page and to make operations. Also if supplier pay the depts, user again enter the supplier dept payment menu page and to make operation.

Product information and cashier panel process: This process shows the cashiers work reports, provide to make add, delete and update cashier also add the new product information.

INTRODUCTION

CLOCK STOCK CONTROL SYSTEM

1. PROJECT IDENTIFICATION AND SELECTION

THE AIM OF THE PROJECT

The clock stock control system aims to serve customers who come to the this shop for purchasing wristwatch in the best way. This information system provide more comfortable process to the users by providing recording purchased wristwatch, sold wristwatch and at the same time this system to take less time to record all transactions.

THE PROJECT BOUNDARIES

- 1. Wristwatch registration papers that holds purchased wristwatch records are kept by user in hand and arranged them very hard.
- 2. Wristwatch registration papers that holds sold wristwatch records are kept by user in hand and arranged them very hard.
- 3. The general information and bill information of wristwatchs are hold in different papers and sometimes this cause some confusing on the recors.
- 4. If user wanted to learn which wristwatch to sell or how many wristwatch available on the stock, it takes long time to learn it by hand.
- 5. If customer wanted to see monthly debt and payment also it takes long time to learn by hand.

RESOURCE LIMITS

In fact the system has no budget limitation. New system will be expensive, but the expenses of the system will be afforded by Near East University.

2. PROJECT INITIATION AND PLANNING

Technical Feasibility

The hardwares that are neccessary for the system are as follows:

- a) A computer for selling
- b) A computer for user for recording purchased wristwatch
- c) A printer to take print bill

Operational Feasibility

The test has been made among the workers in the wristwatch shop to find out the computer knowledge levels. According to the result, the user who will use the system know about the basic of computer.

Economical Feasibility

All the expenses will be afforded by the Clock Stock Control System.

3. ANALYSIS

THE REQUIREMENT DETERMINATION

The requirements made by the users are as follows:

- To increase the speed of operations
- To prevent the loss of data
- To provide easy and quick data Access
- To prevent the caused by the wrong operations of purchasing and selling many wristwatch
- To restrict data access with the means of system securit (password entry).

THE EXISTING SYSTEM CAPABILITIES

- The ClockStock Control System Works in manual system. All informations are held in hand
- When wristwatch is purchased, they are recorded to the paper by hand.
- When wristwatch is sold, bill is preparead by hand.
- When customer come to buy wristwatch, it's searched by hand if it is available or not.

NEW SYSTEM'S PROVIDENCES

- New system will give an end to the papers that are being held on hand. It will give better services to the customer or supplier. Customer or supplier don't have to wait a long time.
- All data will be kept in computer, so there will be no storage problem to kept data.
- Bill will be prepared by computer automatically.
- Reports will be able to taken easily, because of all documents are stored on the computer.
- If it is wanted reports can be printed from the computer.
- Only authorized can be entered to the system and this provide a security for the system. The wristwatch purchasing, selling, adding

customer or supplier and reporting operations can only be done by user.

DESIGN OF THE SYSTEM

EXPLANATION

The minimum requirements of the system are as follows:

Intel Pentium III Processor

550 MHz

128 MB of RAM

30 GB harddisk

14" Monitor

Microsoft Windows 2000

LG CD-ROM CRD 8522B

DAVIDOM 9102-Based PCI Fast Ethernet Adapter

The recommended requirements of the system are as follows:

Intel Pentium IV Processor

800 MHz

256 MB of RAM

60 GB Harddisk

17" Monitor

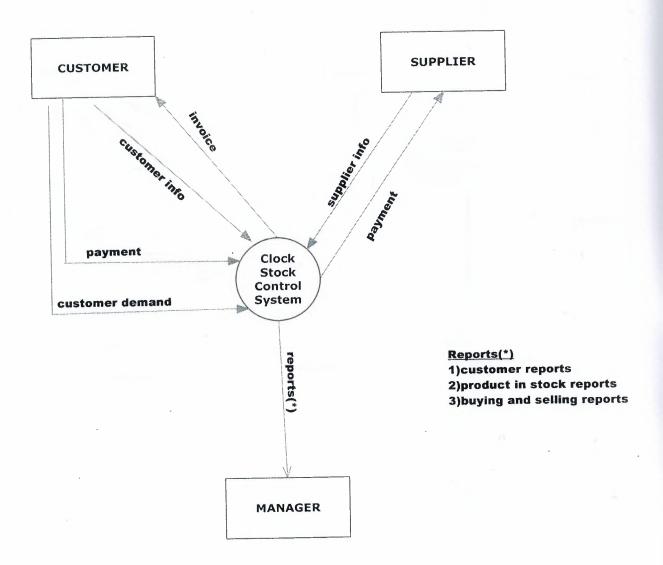
Microsoft Windows XP Professional

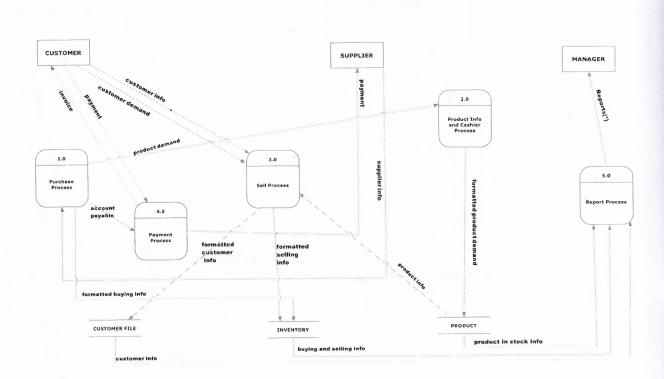
LG CD-ROM CRD 8522B

DAVIDOM 9102-Based PCI Fast Ethernet Adapter

I used Visual Basic programming language for writing this Project and Access database for keeping the data and maintaining it.

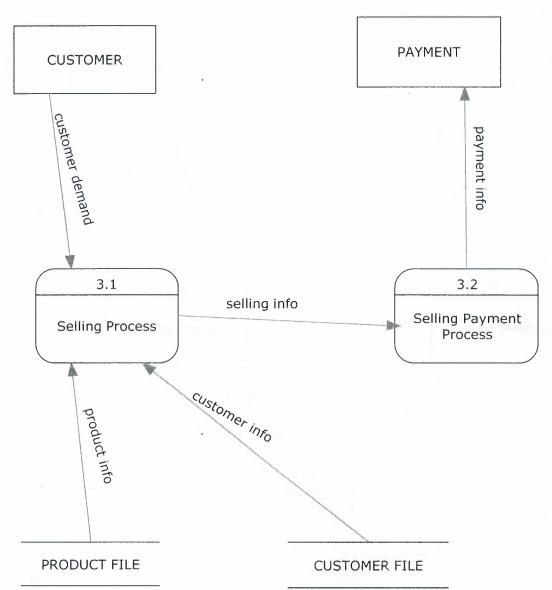
DATA FLOW DIAGRAM



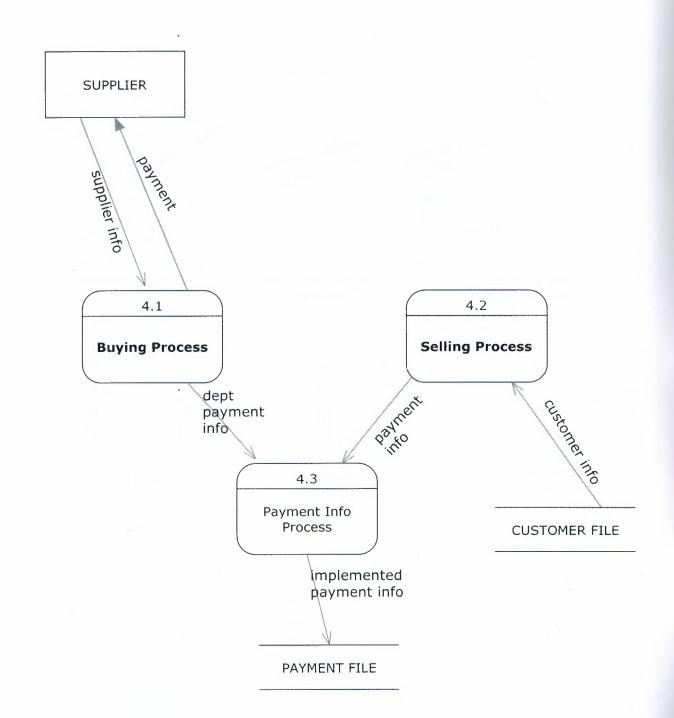




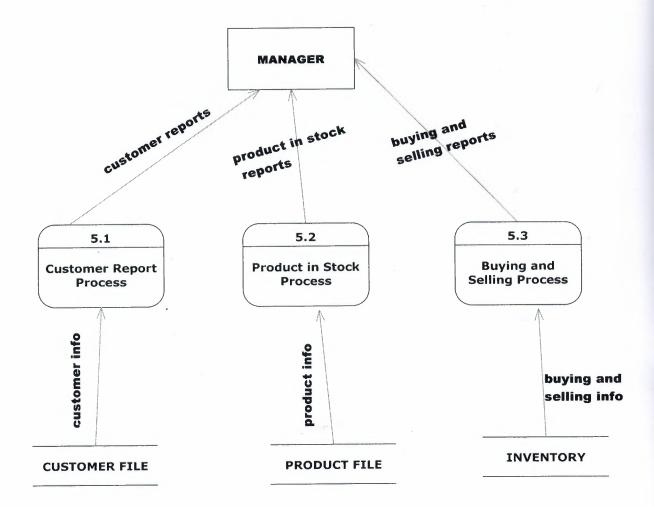
LEVEL-1 DFD FOR SELLING PRODUCT PROCESS



LEVEL-1 DFD FOR PAYMENT PROCESS

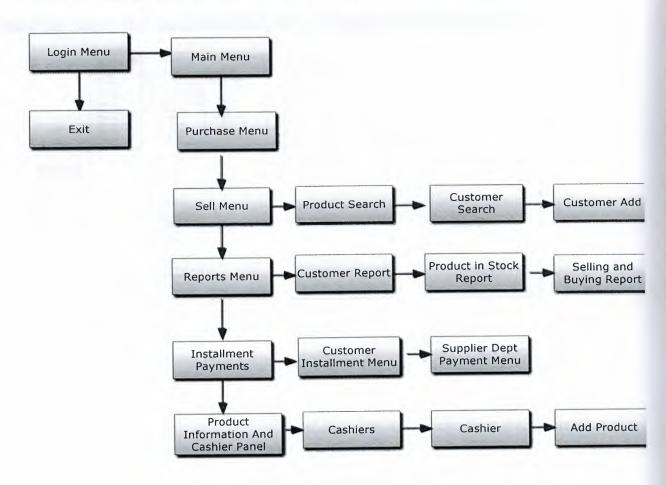


LEVEL-1 DFD FOR REPORT PROCESS

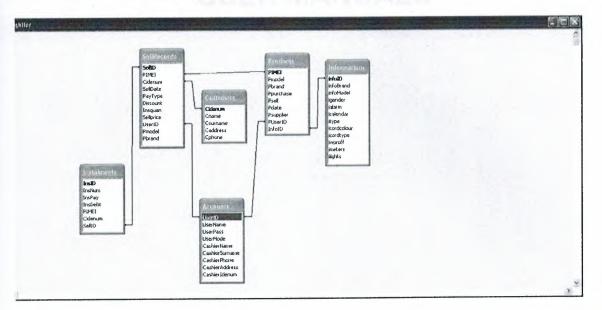


SYSTEM BLOCK DIAGRAM

SYSTEM BLOCK DIAGRAM FOR CLOCK STOCK CONTROL PROGRAM

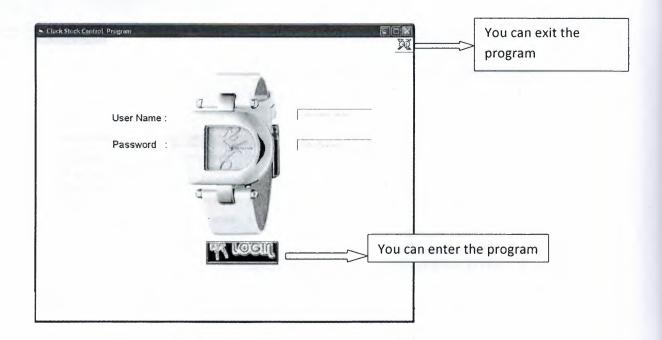


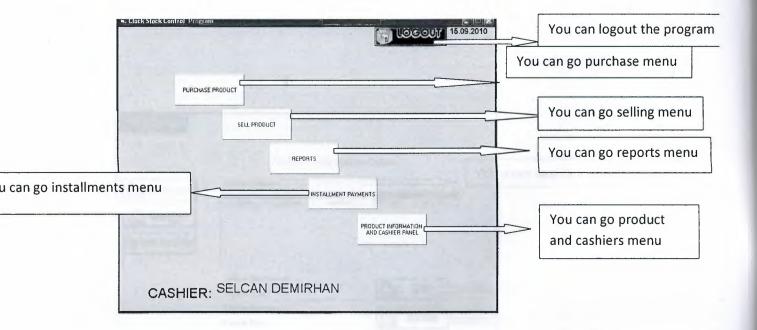
DATABASE DESIGN FOR CLOCK STOCK CONTROL SYSTEM

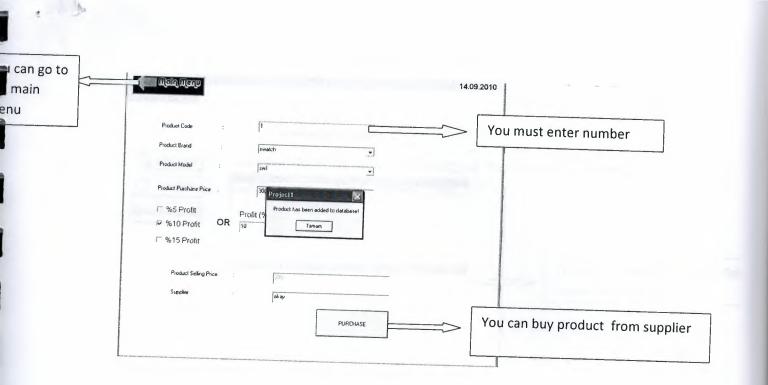


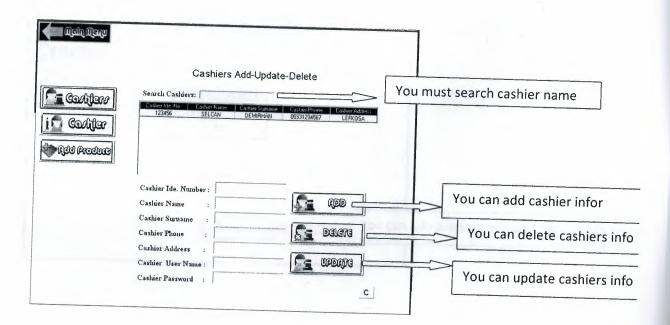
USER MANUALS

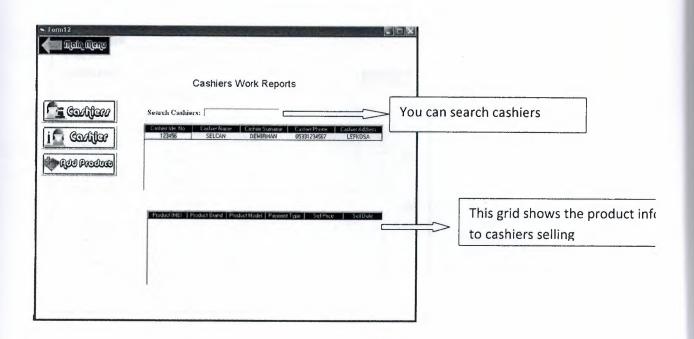




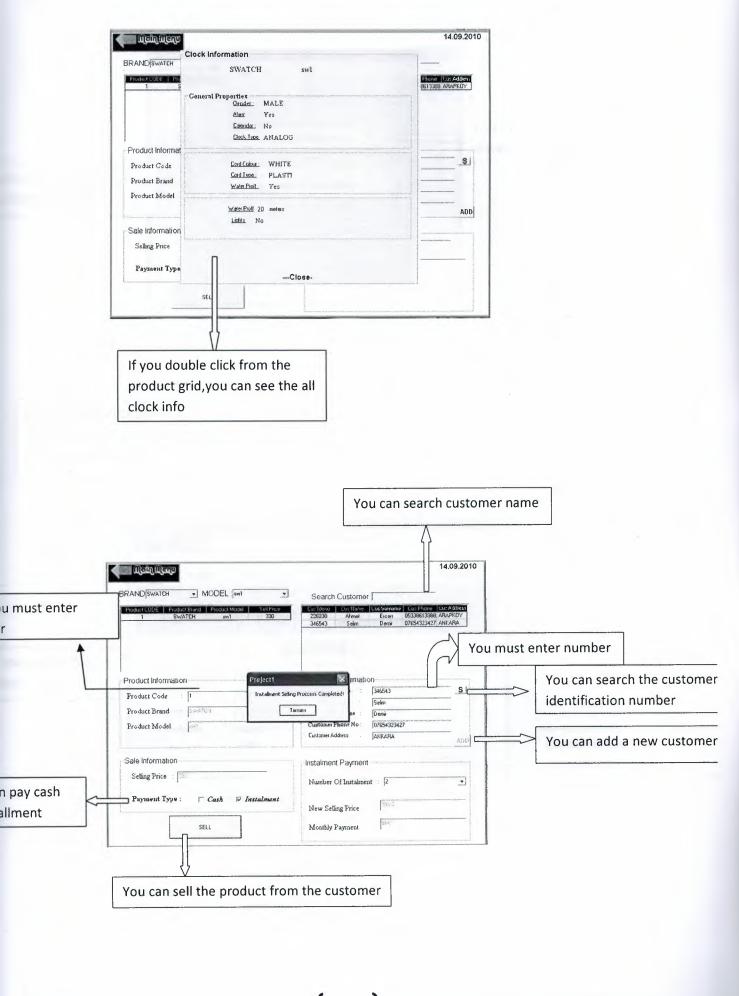






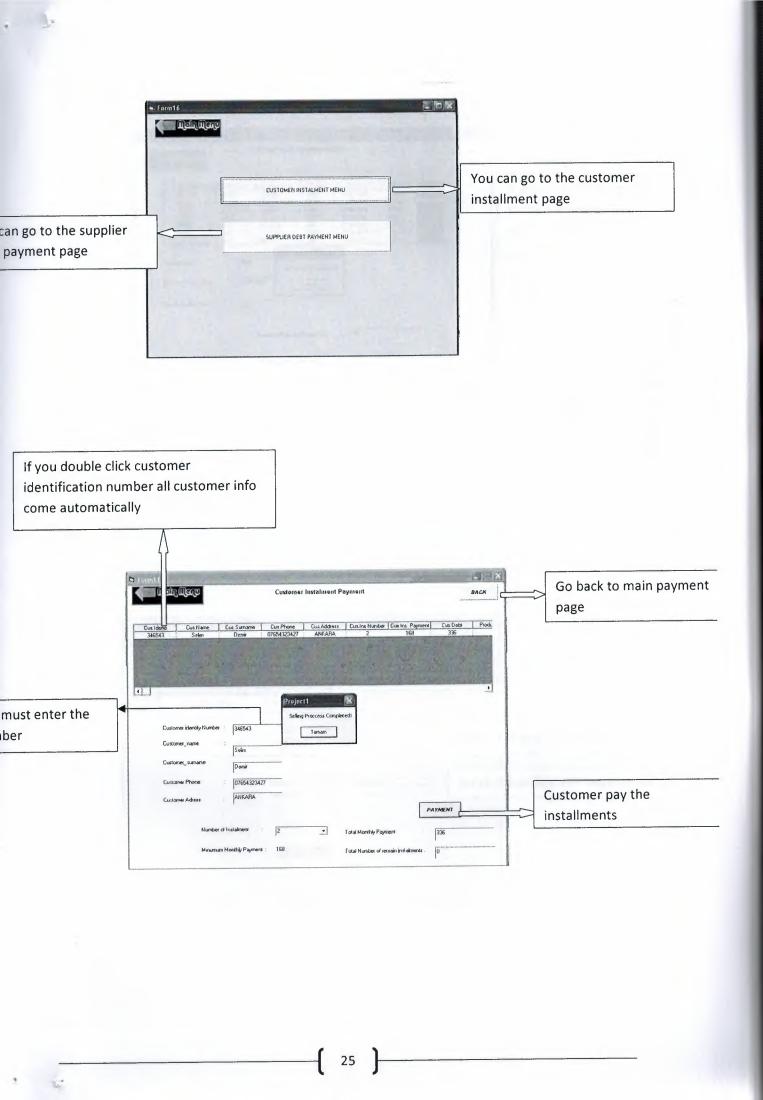


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	Lighte.	You can add product info and save the database



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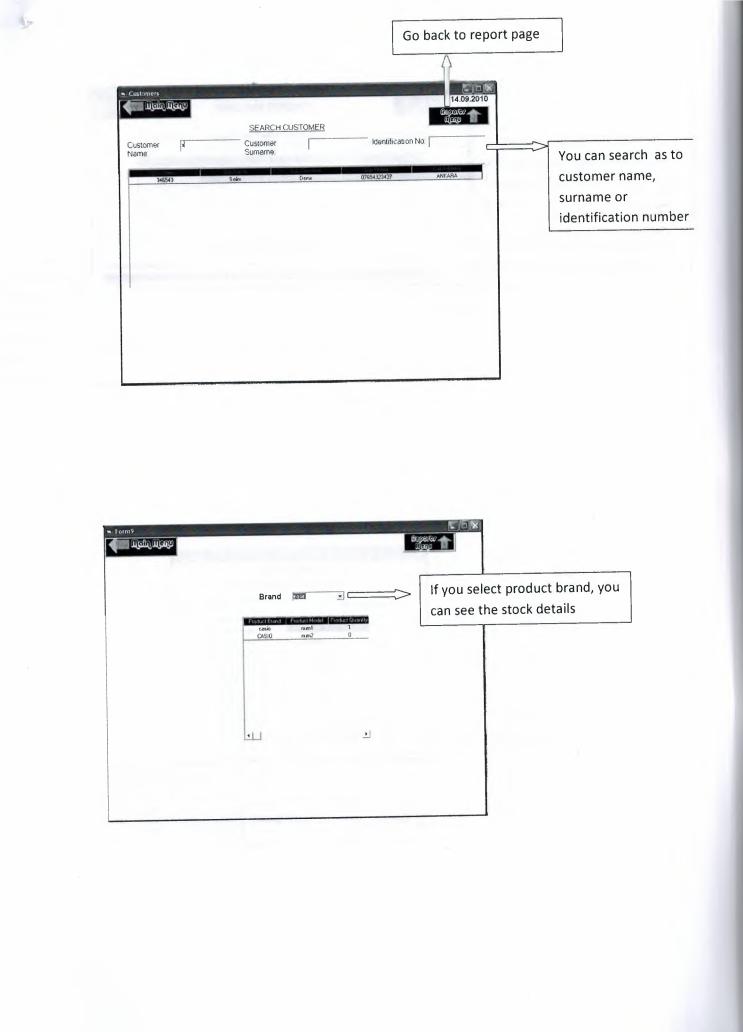
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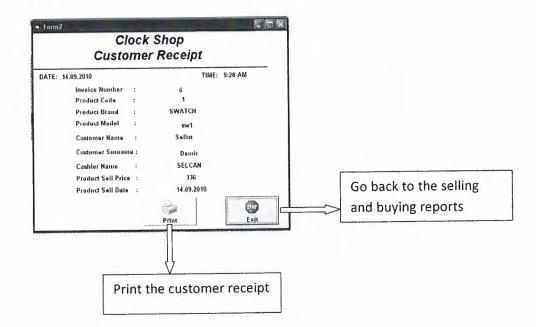
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-9

	Search Product Code	Search Product Supplier NOTE Reare Product Male Product Brand Product Mode LCAN 244333 AAAA ba		 If you want to search as to product code,supplier,brand or model, you can saw the purchase details.
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er receipt.				

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USER FLOWCHARTS

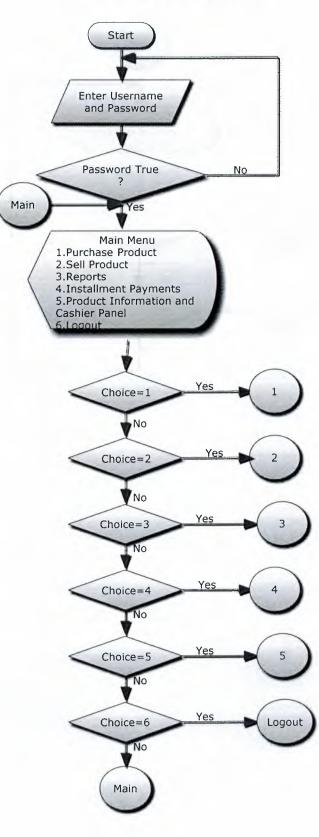
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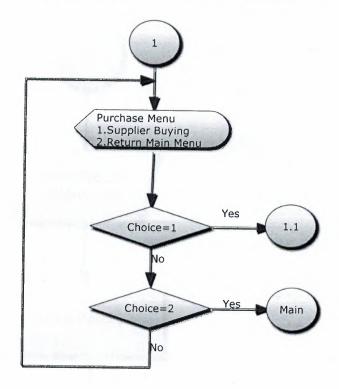
MAIN FLOWCHART

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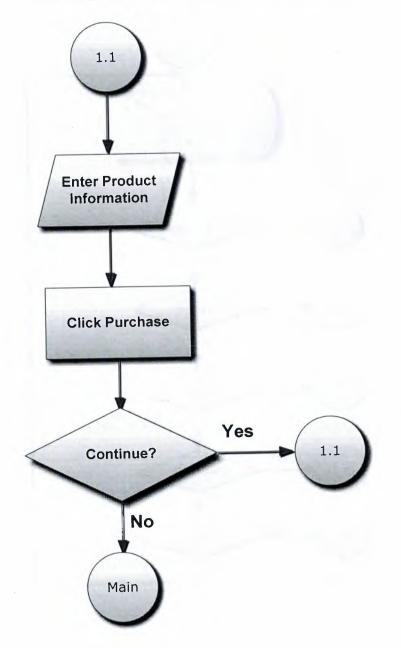


FLOWCHART OF PURCHASE MENU

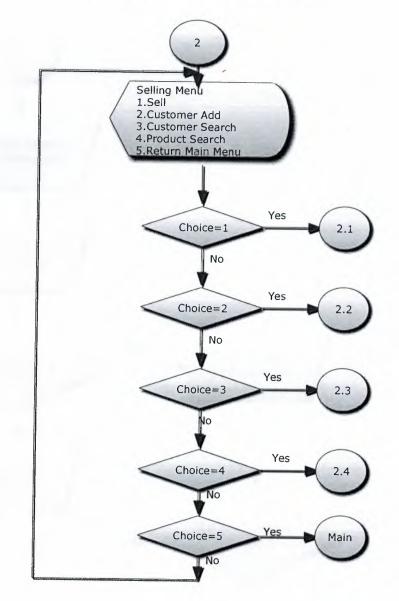


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SUBPROCESS OF PURCHASE PRODUCT

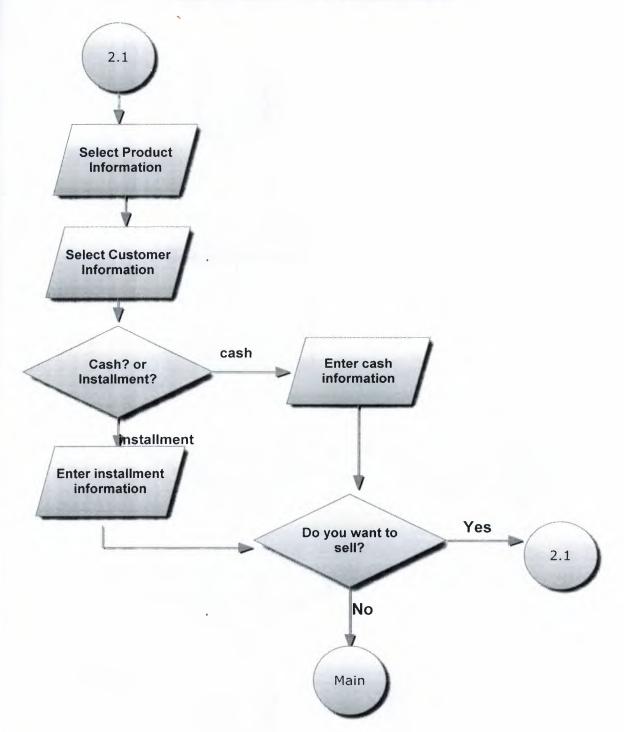


FLOWCHART OF SELLING MENU



SUBPROCESS-1 FOR SELLING MENU

201



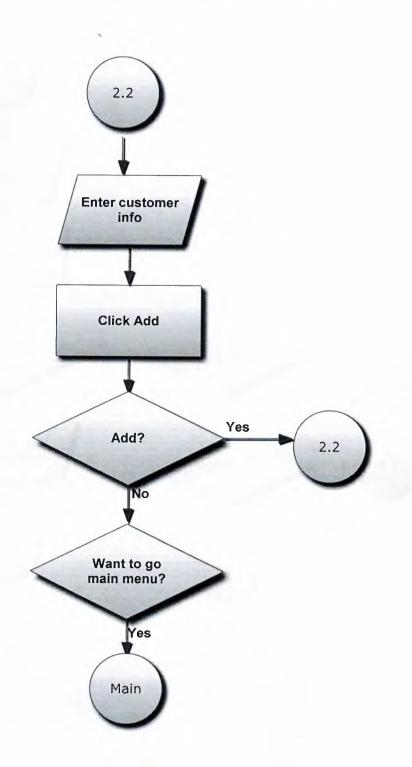
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SUBPROCESS-2 FOR SELLING MENU

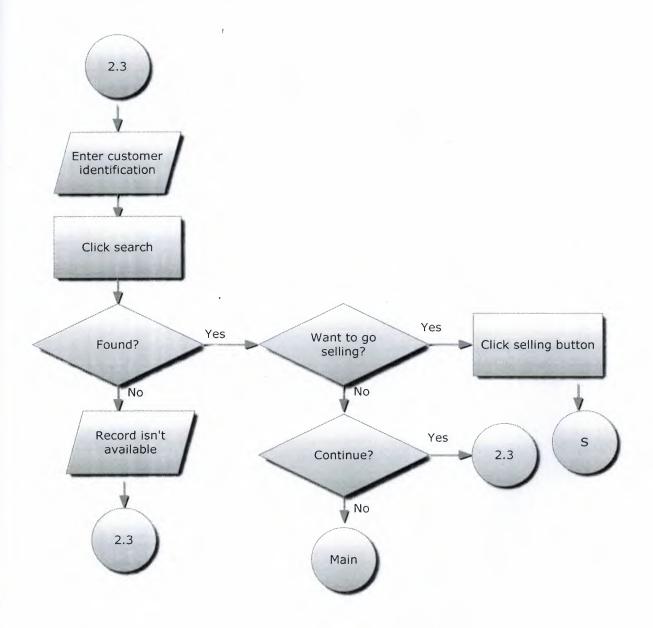
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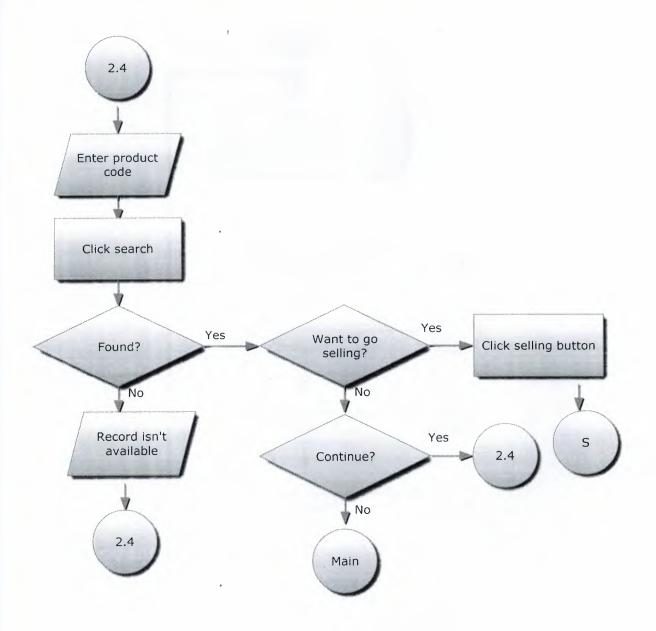


SUBPROCESS-3 FOR SELLING MENU

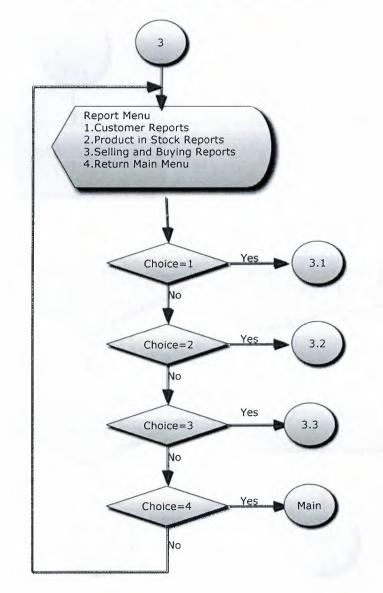
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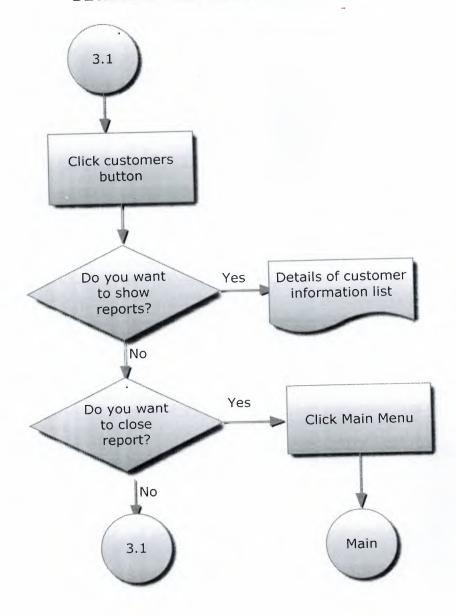
SUBPROCESS-4 FOR SELLING MENU



FLOWCHART OF REPORT MENU

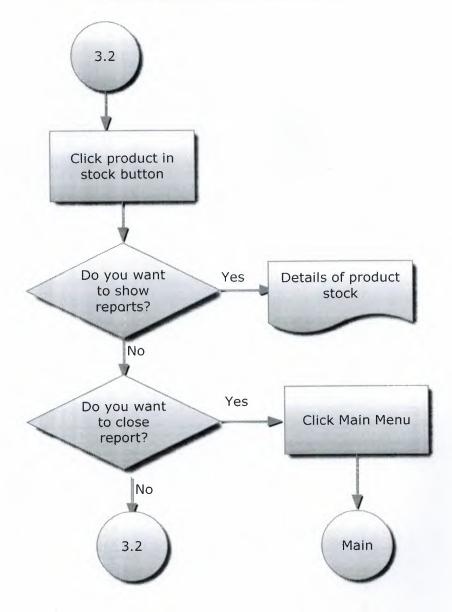


DETAILS OF CUSTOMER INFORMATION

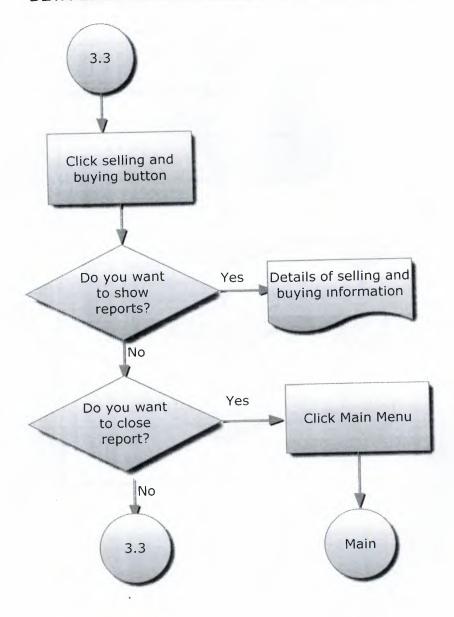


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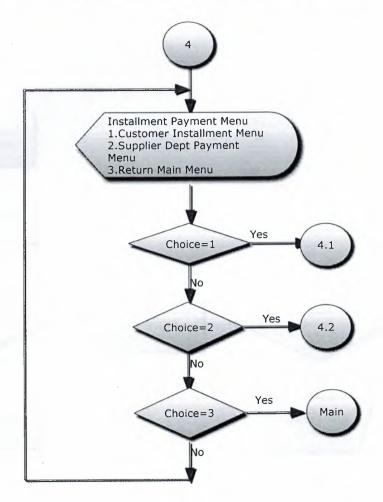
DETAILS OF PRODUCT IN STOCK



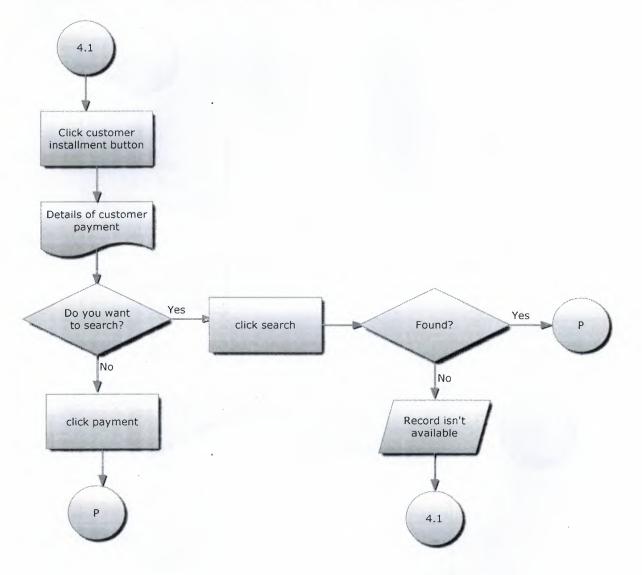
DETAILS OF SELLING AND BUYING INFORMATION



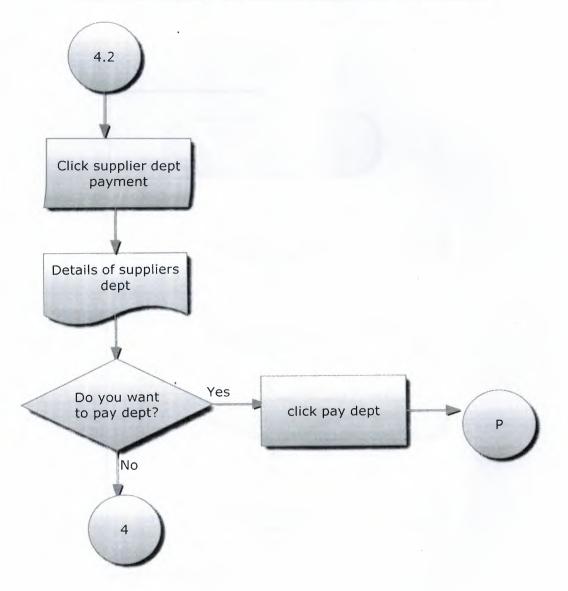
FLOWCHART OF INSTALLMENT PAYMENT MENU



SUBPROCESS-1 FOR INSTALLMENT MENU



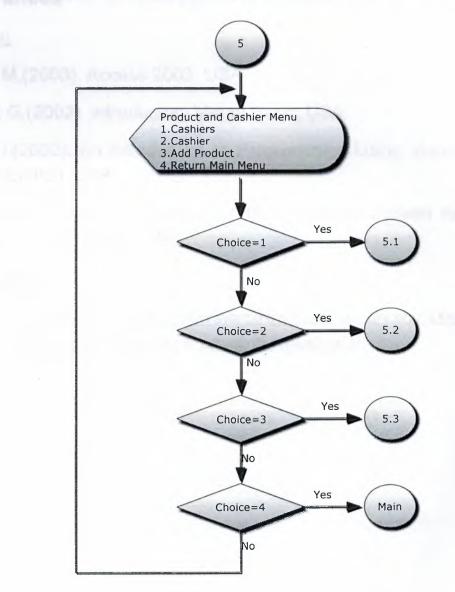
SUBPROCESS-2 FOR INSTALLMENT DEPT PAYMENT



FLOWCHART OF PRODUCT INFORMATION AND CASHIER PANEL

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Referances

Books:

Lewin M.(2003). Access 2003, USA

Eddan G.(2002). Introductory Visual Basic, USA

David I.(2002). An Introduction to Programming Using Visual Basic 6.0, Fourth Edition, USA

Jeffrey A., Joey F., Joseph S.(2005). Modern System Analysis and Design, Fourth Edition, USA

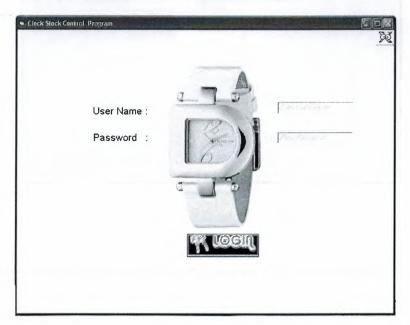
Websites:

- http://www.programlama.com/sys/c2html/viewCategory.php?DocCategory=9
- http://www.mydesign.gen.tr/kategoriler/visualbasic/

APPENDIX I

SCREEN OUTPUTS

Figure 1. Snapshot of Passsword Page



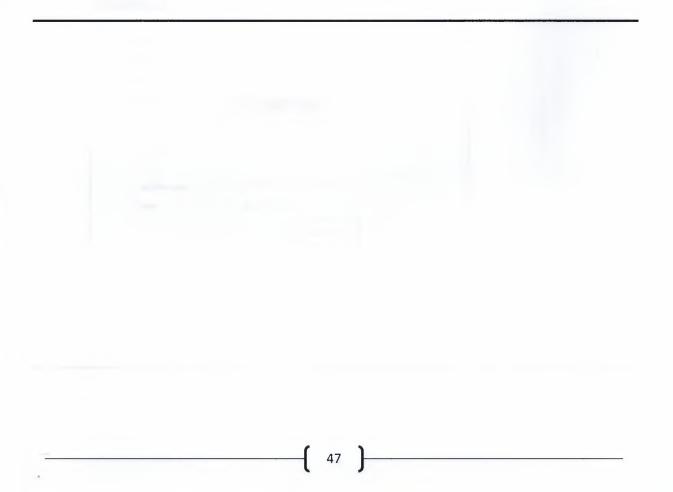


Figure2. Snapshot Main Menu Page

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		REPURIS		
		INSTALLMENT	AYMENTS	
			PRODUCT INFORMATION AND CASHIER PAPEL	
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Figure 3. Snapshot of Purchase Product Page

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Product Brand	:	swerch		
Product Model	1	2141	•	
Product Purchase Pric	8	SUI Project1	and the second s	
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🗭 %10 Profit			bristarri	
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Product Selling	Price :	SK-		
Supplier		ak ay		
			PURCHASE	

Search Cashiers: Cashier Ide. Number: Cashier Ide. Number: Cashier Ide. Number: Cashier Survane : Cashier Phone : Cashier Phone : Cashier Jone Name : Cashier Phone : Cashier Varen Name :	C	ashiers	Add-Update	-Delete	
123450 SELCAN DEMIRHANI 05391234567 LEFKOSA ROD ProcOUGE Cashier Ide. Number : Image: Cashier Sumane : Image: Cashier Sumane : Image: Cashier Phone : Cashier Phone : Image: Cashier Phone : Image: Cashier Phone : Image: Cashier Sumane : Cushior Address : Image: Cashier Sumane : Image: Cashier Phone : Image: Cashier Sumane :	Search Cashiers:	[
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Cashier Ide. Number : Cashier Name : Cashier Suriane : Cashier Phone : Cushier Phone : Cushior Address :					
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Figure 4. Snapshot of Product Information and Cashier Page

Figure 5. Snapshot of Cashiers Work Page

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	Adding New Product Information
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Figure 6. Snapshot of Product Information Page

Figure 7. Snapshot of Clock Information Page

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Product CODE Pro	SWATCH swl	Fhone Cut Address
I S		GE13388 ARAPKOY
Geu	eral Properties Gender: MALE	
	Alam Yes	
	Calendar: No	
	CKCK INPE ANALOG	
Product Informal	na di prime de la constructione de la construction de la construction de la construction de la construction de Anti-	
Product Code	Cond Colour ; WHITE	S
Product Brand	Cond Iver: PLASTI	
	Water Profit: Yes	Anti-Apple State Anti-A
Product Model	Water Picht 20 anotors	
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Payment Type		
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BRAND SWATCH MODEL INI	Search Customer
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Product Information Project1	mation
Product Code 1 Installment Se	Ing Process Completed) 346543 S
Product Brand . (Skaffer	Tamam Du : Denia
Product Model : w/i	Customer Phone No : 07654323427
3	Customer Address JANKARA AD
Sale Information	Instalment Payment
Selling Price : [338	Number Of Instalment
Payment Type : [Cash 🐺 Instalment	New Selling Price

Figure 8. Snapshot of Selling Product Page

Figure 9. Snapshot of Customer Installment Payment Page

Cus Ideno 346543	Dus Name Selim	Cus Sumame Demir	Cus.Phone 07654323427	Cus.Addess ANKAFA	Cus Ins Number 2	Cus Ins Paym 168	ent Cur Debl 336	F
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Product CDDE	Product Madel	Product Brand	Product Price	Furchase Date	Supplier Name	100000	
111111	num1	CASIO	1000	11,09 2010	AKAY		
222222	num2	CÁSIO	1200	11,09 2010	RESAT	1	
333333	guc1	GUCCI	1000	11.09.2010	RESAT		
434444	auc2	GUCCI	1200	11 09 2010	RESAT	2	
445444	ser!	SWATCH	2000	11 03 2010	RESAT	1	
244303	be	AAAA	40000	11 09 2010	SAATO		
1	2141	SWATCH	300	14.09 2010	AKAY		
Supplier Name Product Purchase [Total Amount of De		Pay 09 2010	ring Debt Complete	Hibe			
Product Purchase [Date : [14]	Amount of Cast			den sta e desta de ser se de se d	w	

Figure 10. Snapshot of Supplier Dept Payment Page

Figure 11. Snapshot of Reports Page

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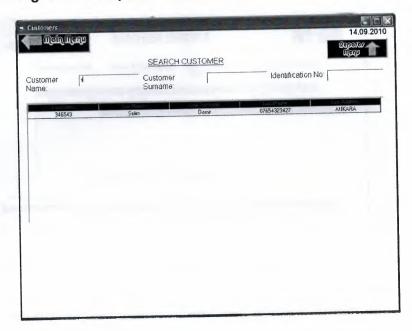


Figure 12. Snapshot of Customer Report Page



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	Brand		•	
	Product Bran casio CASID	a Frasust Hodel num1 num2	Product Duankty 1 0	
	•		•	

Sparch Product Code	e Search Pro	duct Supplier	Search Produc	t Brand	Search Pro	and a second s
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3						
	SELL PR		EPORTS			
Souch Customer Name :	SELL PR	CODUCT F				
voice Number Product IMEL Pro-	duct Brand Product M	Search Cashi adel (Customer H	er Name :	7 Costnet Na SELCA	338 338	5el Date 14.09.2010
voice Number Product IMEL Pro-		Search Ceshi	er Name :	v Costner Na SELCAN		
voice Number Product IMEL Pro-	duct Brand Product M	Search Cashi adel (Customer H	er Name :	 Costnet Na SELCAN 		
voice Number Product IMEL Pro-	duct Brand Product M	Search Cashi adel (Customer H	er Name :	7 Eostner file SELCAN		

Figure 14. Snapshot of Buying and Selling Report Page

Figure 15. Snapshot of Customer Invoice Page

•

Clock Shop Customer Receipt		
ATE: 14.09.2010	TIME:	9:28 AM
Involce Number :	6	
Product Code :	1	
Product Brand :	SWATCH	
Product Model :	sw1	
Customer Name :	Sellin	
Customer Spiname :	Demir	
Cashler Name :	SELCAN	
Product Sell Price :	336	
Product Sell Date :	14.09.2010	
	1	512
	Print	Exit

APPENDIX II

SOURCE CODE

LOGIN PAGE

Dim db As Database Dim tb As Recordset Private Sub Command1_Click() Dim sql, umode As String sql = "select * from accounts where UserName=" & Text1.Text & " and UserPass =" & Text2.Text & "" Set tb = db.OpenRecordset(sql) If tb.RecordCount = 0 Then MsgBox ("Wrong password or username") Else Label3.Caption = tb.Fields("UserID") Label4.Caption = tb.Fields("CashierName") & " " & tb.Fields("CashierSurname") Label5.Caption = tb.Fields("Usermode") Form1.Hide Form3.Show End If End Sub Private Sub Command2_Click() Unload Me End Sub Private Sub Form_Load() Set db = OpenDatabase(App.Path & "\database.mdb") End Sub Private Sub Text1_GotFocus() Text1.Text = "" Text1.FontItalic = False

Text1.ForeColor = &H80000007

End Sub

Private Sub Text1_KeyPress(KeyAscii As Integer)

If KeyAscii = 13 Then

Text2.SetFocus

End If

End Sub

Private Sub Text2_GotFocus() Text2.Text = "" Text2.PasswordChar = "*" Text2.FontItalic = False Text2.ForeColor = &H80000007 End Sub

Private Sub Text2_KeyPress(KeyAscii As Integer) If KeyAscii = 13 Then Call Command1_Click End If End Sub

MAIN MENU PAGE

Private Sub Command1_Click()

Unload Me

Form1.Text1.Text = ""

Form1.Text2.Text = ""

Form1.Show

End Sub

Private Sub Command2_Click()

Form4.Show

Unload Me

ł

End Sub

Private Sub Command3_Click()

Form5.Show

Unload Me

End Sub

Private Sub Command4_Click()

Form6.Show

Unload Me

End Sub

Private Sub Command5_Click()

Form16.Show

Unload Me

End Sub

Private Sub Command6_Click()

Form14.Show

Unload Me

End Sub

Private Sub Command7_Click()

Form12.Show

Unload Me

End Sub

Private Sub Command8_Click() Form15.Show

End Sub

Private Sub Form_Load() Label3.Caption = Date Command7.Enabled = False If Form1.Label5.Caption = "1" Then Command7.Enabled = True End If Label1.Caption = Form1.Label4.Caption

End Sub

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REPORT PAGE

Private Sub Command1_Click()

Unload Me

Form7.Show

End Sub

Private Sub Command2_Click() Unload Me

Form9.Show

End Sub

Private Sub Command3_Click()

Unload Me

Form10.Show

End Sub

Private Sub Command5_Click()

Unload Me

Form3.Show

End Sub

Private Sub Form_Load()

Label1.Caption = Date End Sub

INVOICE PAGE

Private Sub cmdExit_Click() Unload Me

Form10.Show

End Sub

Private Sub cmdPrint_Click() cmdPrint.Visible = False cmdExit.Visible = False PrintForm cmdPrint.Visible = True cmdExit.Visible = True End Sub

Private Sub Form_Load() Label12.Caption = Form10.Label9.Caption Label13.Caption = Form10.Label10.Caption Label14.Caption = Form10.Label11.Caption Label15.Caption = Form10.Label12.Caption Label16.Caption = Form10.Label13.Caption Label17.Caption = Form10.Label14.Caption Label10.Caption = Form10.Label15.Caption Label11.Caption = Form10.Label15.Caption Label11.Caption = Form10.Label16.Caption Label18.Caption = Form10.Label17.Caption

Me.Left = (Screen.Width - Me.Width) / 2

'display date & time IblDate.Caption = Date IblTime.Caption = Format\$(Time, "h:nn AM/PM")

End Sub

PAYMENT PAGE

Private Sub Command1_Click()

Form11.Show

Unload Me

End Sub

Private Sub Command2_Click()

Form15.Show

Unload Me

End Sub

Private Sub Command3_Click()

Unload Me

Form3.Show

End Sub