



NEAR EAST UNIVERSITY

**FACULTY OF ECONOMICS AND
ADMINISTRATIVE SCIENCES**

**DEPARTMENT OF COMPUTER
INFORMATION SYSTEMS**

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CIS 400

(Graduation Project)

WHOLE SELLER BUSINESS MANAGEMENT SYSTEM

Submitted to: Dept. of CIS

Submitted by: Omar.F.ENBAWI (20010828)

Lefkoşa,

2007

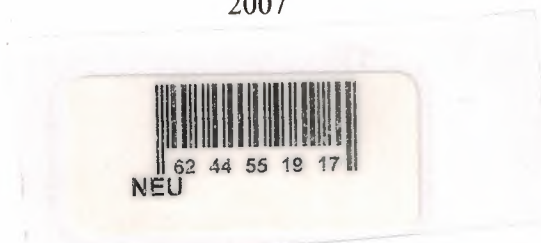




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*Also, I feel proud to pay my special regards to our project adviser (Assoc. Professor Dr İlham Hüseyinov). He never disappointed me in any affair. He delivered me too much information and did his best of efforts to make me able to complete my project. Not to forget to give my thanks to the **NEAR EAST UNIVERSITY** education staff especially to **FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCE (CIS)** doctors for their helping to take this degree and to achieve this level of education.(Assist. Professor Dr Yalçın Akçalı (Chairman - C.I.S.)), (Nadire ÇAVUŞ (Assistant to Chairman, CIS)) AND (Tansel Devin).*

I will never forget the days that I have been in Cyprus, from the University to the good friends that I have enjoyed my 4 years with them. I would like to thank them for there kindness in helping me to complete my project, ENG.Tala KHADER , ENG.Ala MANSOUR, ENG.Baha' KHALAF, ABU Sharkas, Mohammed MANSOUR and Adnan ABDULLMANNAN.

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Omar.F.AL-ENBAWI

ABSTRACT

This software is a specific program only suitable for electrical and electronics company which is used by the employees of the company it self.

This system is dived into seven processes in order for better user interface and friendly.

My solution to the problem I guess is quite understandable as I divided the system into main seven processes, such as employees, customers, sales, suppliers, products, payments and reports. Each of the section I designed is easy to understand and learn fast.

I hope this software will help the company to keep close eye on there business, account, sale, profit and what store products need.

INTRODUCTION

Toshiba is one of the most famous companies that deal in electrical and electronic equipments, and it's having a good rate in sailing around the world.

There for computers comes into work, in this project some languages will be used such as DELPHI in order to make the buttons, the navigation and the forms, some additions will be made over them in away that improve the program.

Access programming will be needed to design the data base by entering the information.

There are some processes in this project and these are:

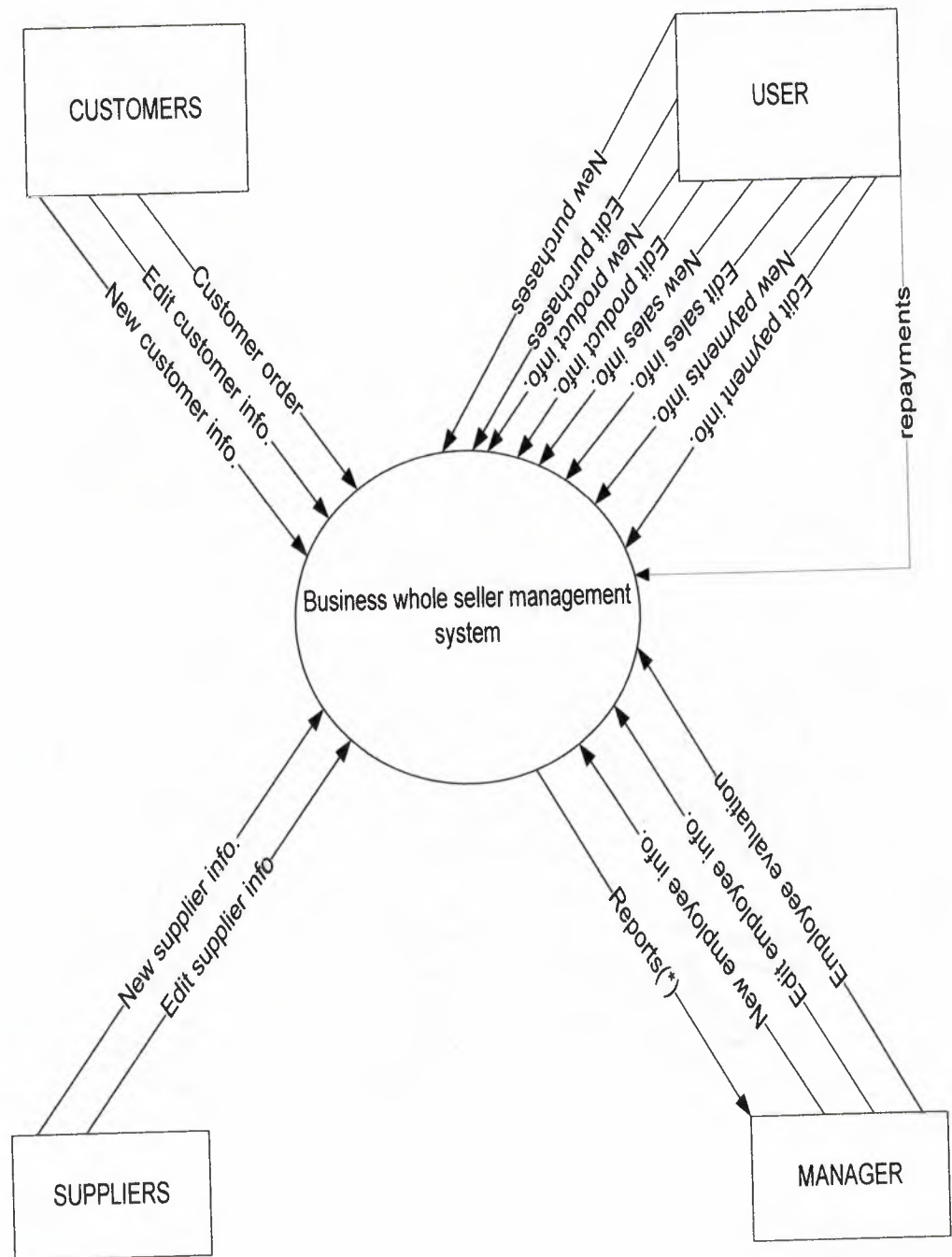
- Customer: information about the customers and the products that will be purchased.
- Suppliers: information about the suppliers.
- Employees: information about the employees.
- Sales: showing the company sales and the amount that had been sold.
- Payments: selling by cash and credits will be calculated.
- Products: information about the products, how many products are sold and how much the company have in the store.
- Reports: there will be sales, customers, suppliers, employees, payments, purchases and products reports.

1. DESIGN OF THE SYSTEM

1.1 Explanation

1. This company sells electronic equipments to individual customers.
2. The electronic products are bought from different suppliers.
3. The company will give an order to the suppliers in order to prepare it.
4. In selling process customers will give his order and according to that, the data is recorded by a company and tell the customers if there is a product or if there is in the store.
5. The payment can be done by cash or credits.
6. In credit process the installment and profits depends on the method.
7. For each supplier a file will be opened in the company.
8. The information of the employees and reports will be checked just by the general manager.
9. There are many kinds of reports in this company and these are;
 - Customer's reports.
 - Purchases reports.
 - Supplier's reports.
 - Employee's reports.
 - Sales reports.
 - Payment reports.
 - Reports.

1.2 DATA FLOW DIAGRAM



(*) 1. customers reports
2. suppliers reports

Figure 1.1: Context DFD Diagram for Business Whole Seller Management System

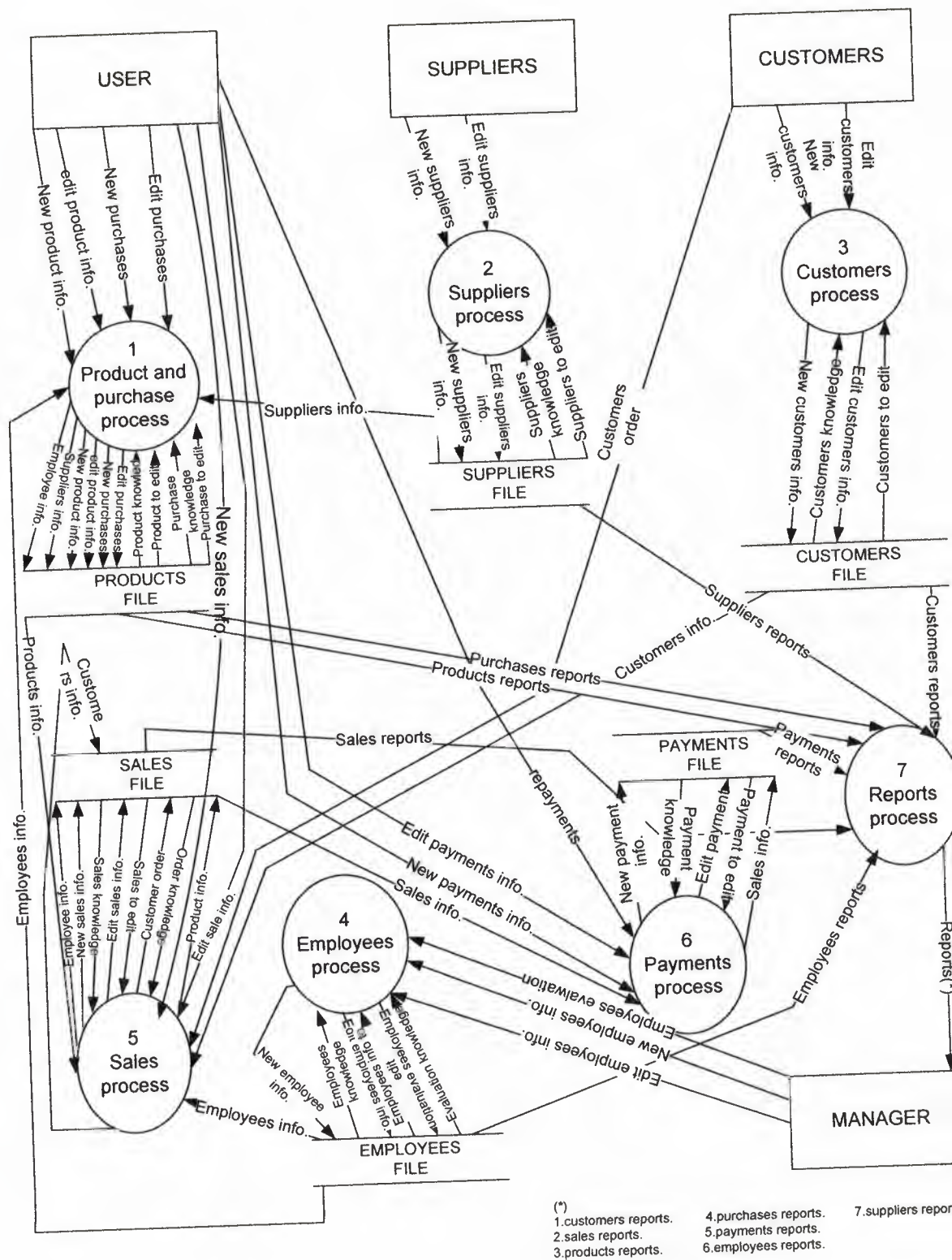


Figure 1.2: Top-Level DFD Diagram for Business Whole Seller Management System

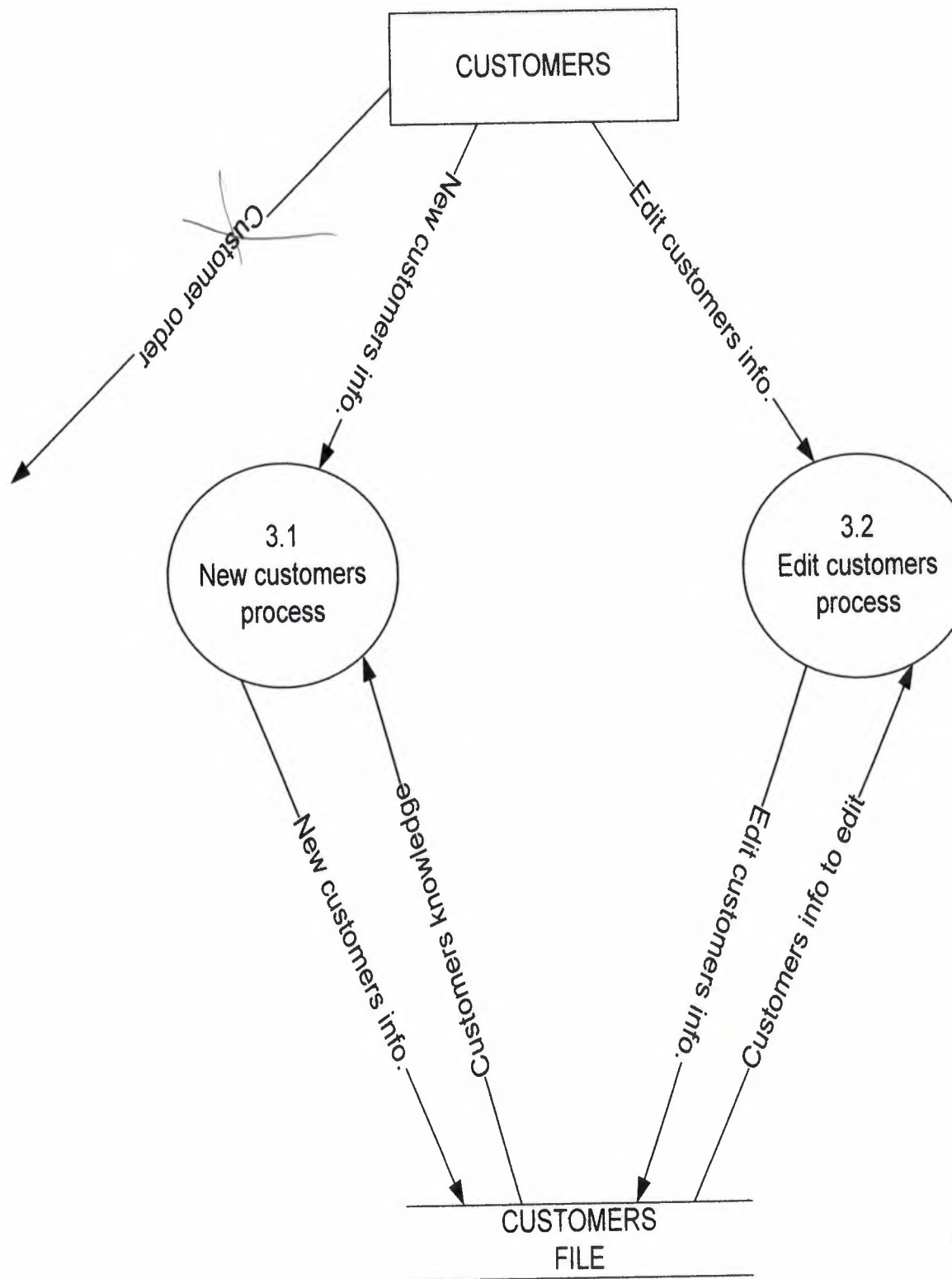


Figure 1.3: Detail DFD for Customer

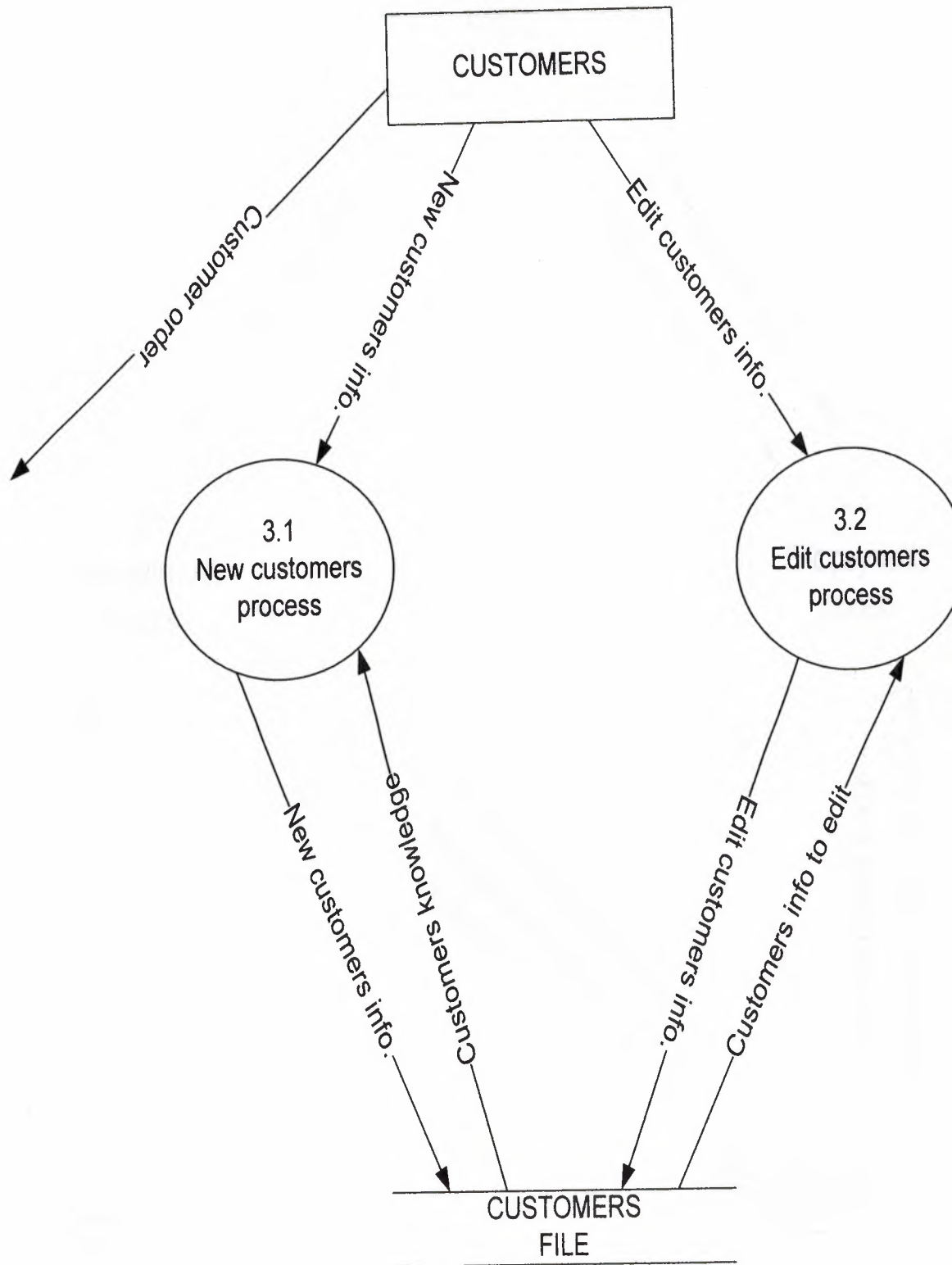


Figure 1.3: Detail DFD for Customer

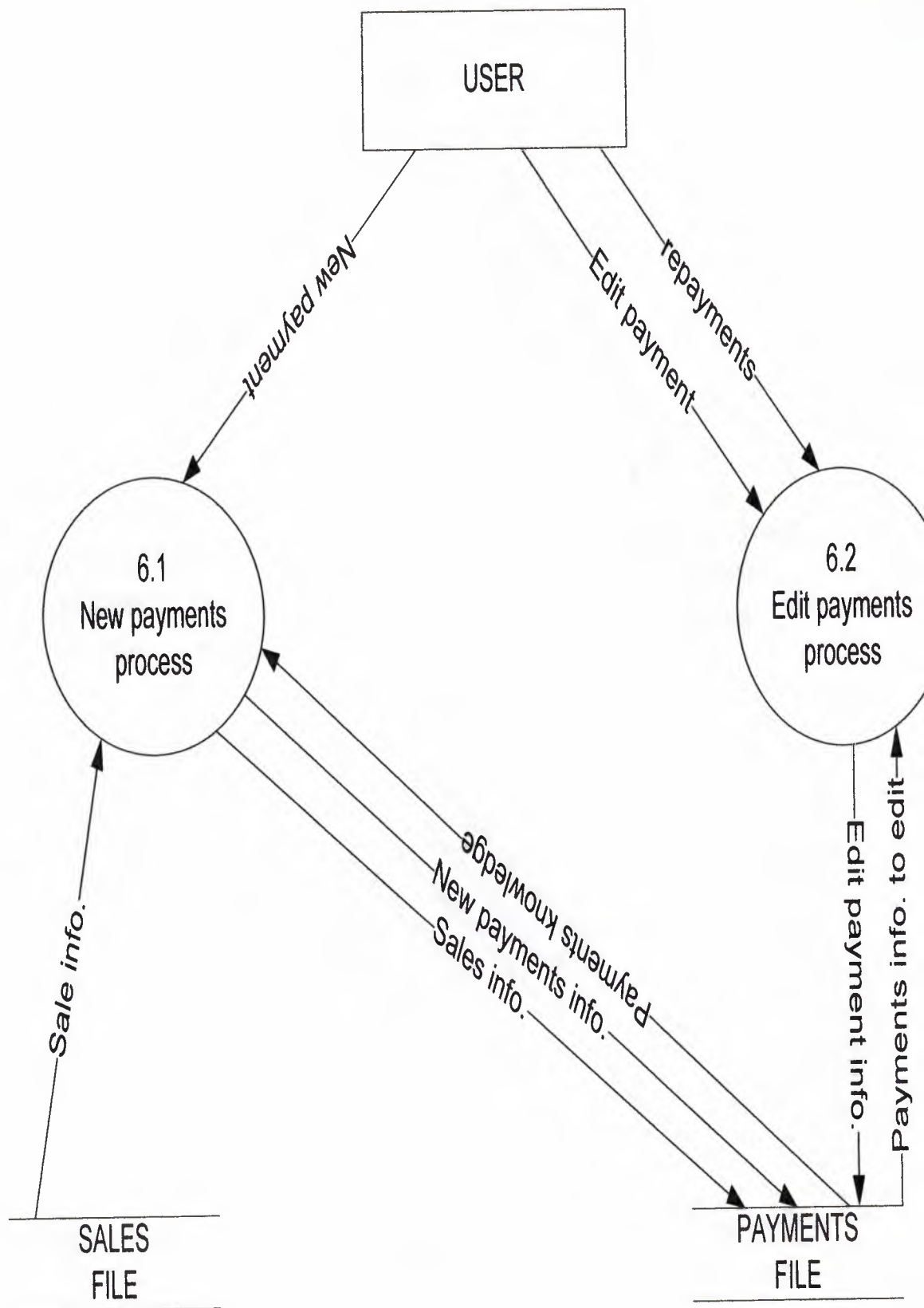


Figure 1.5: Detail DFD for Payment

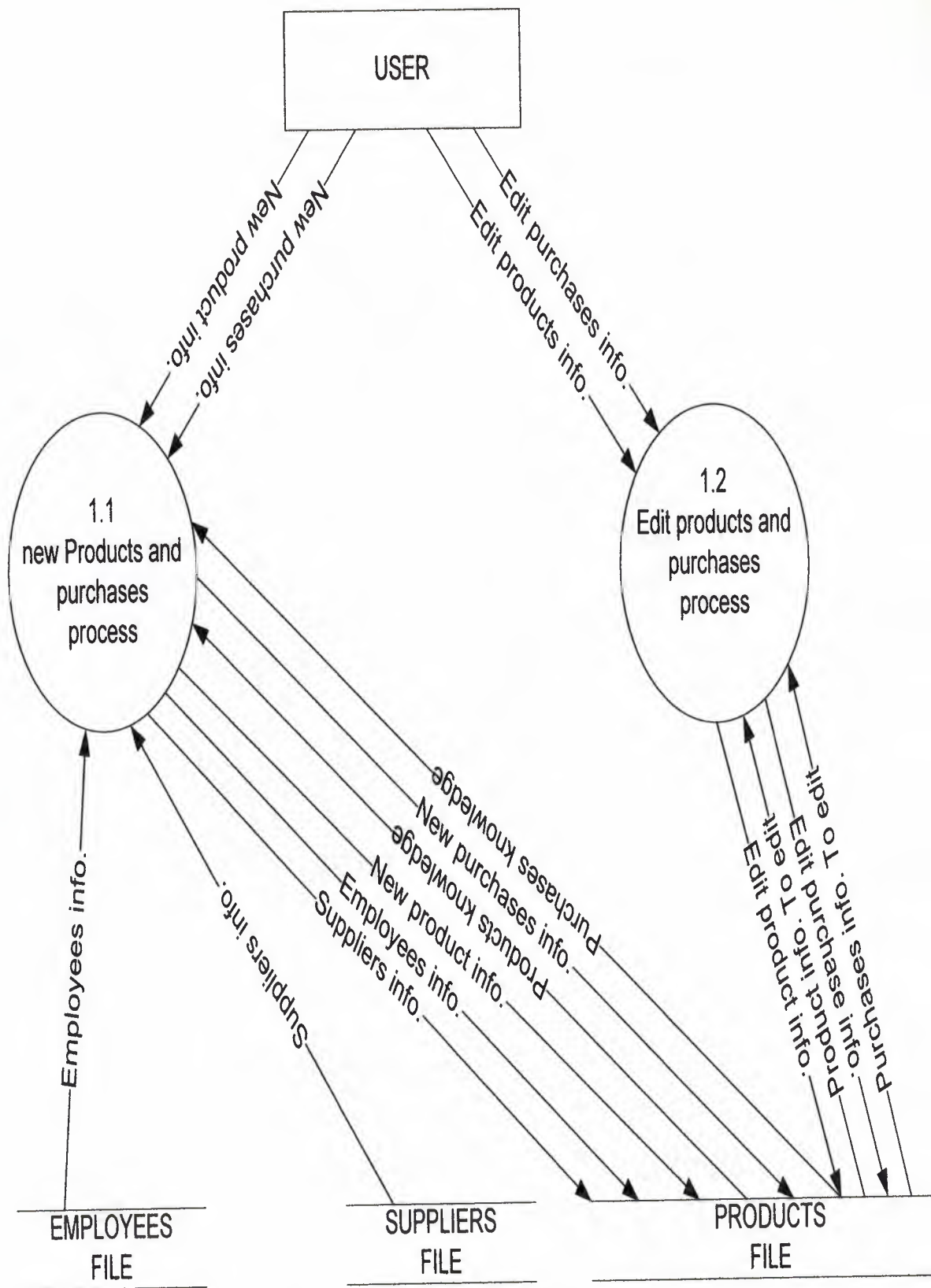


Figure 1.6: Detail DFD for Products and Purchases

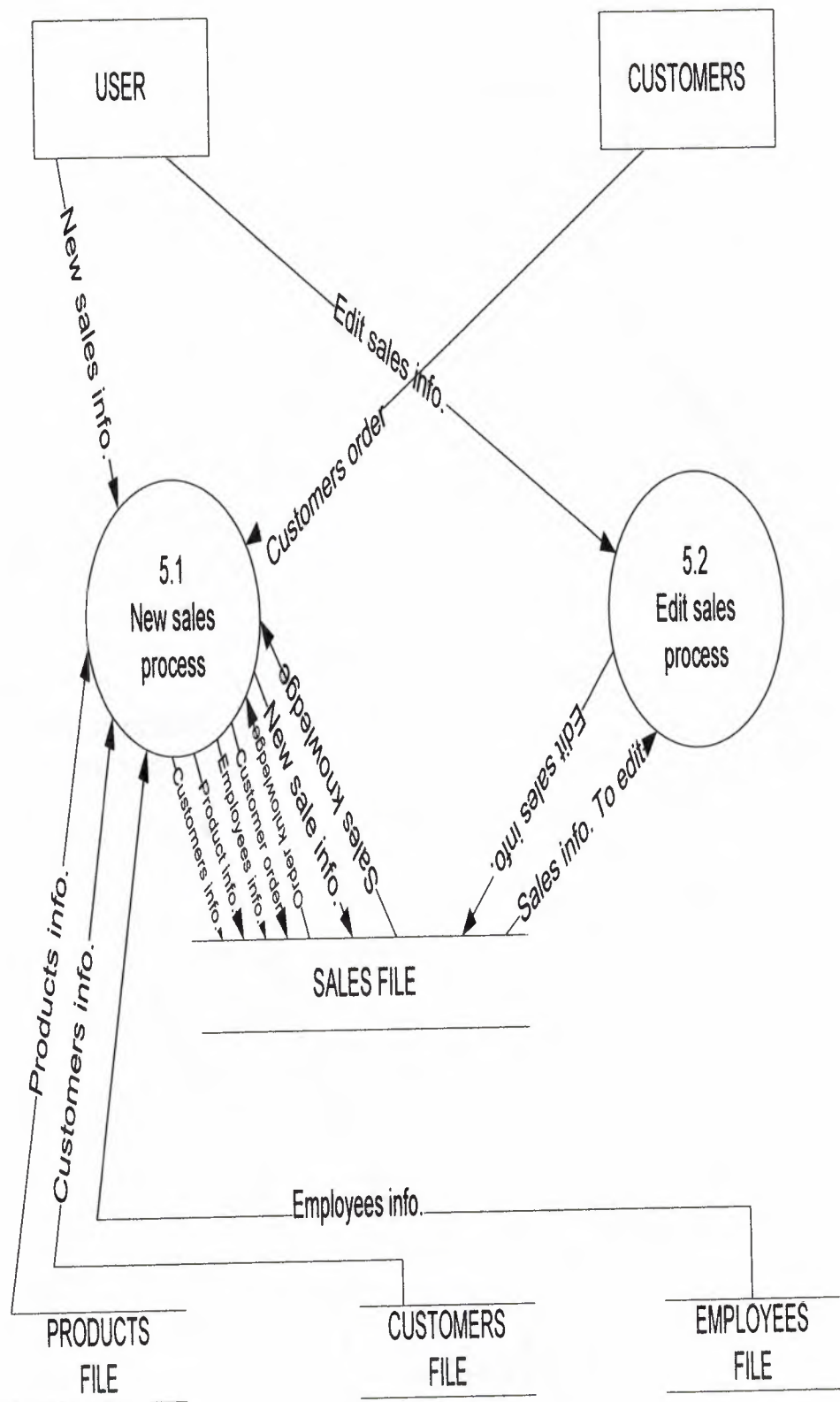


Figure 1.7: Detail DFD for Sales

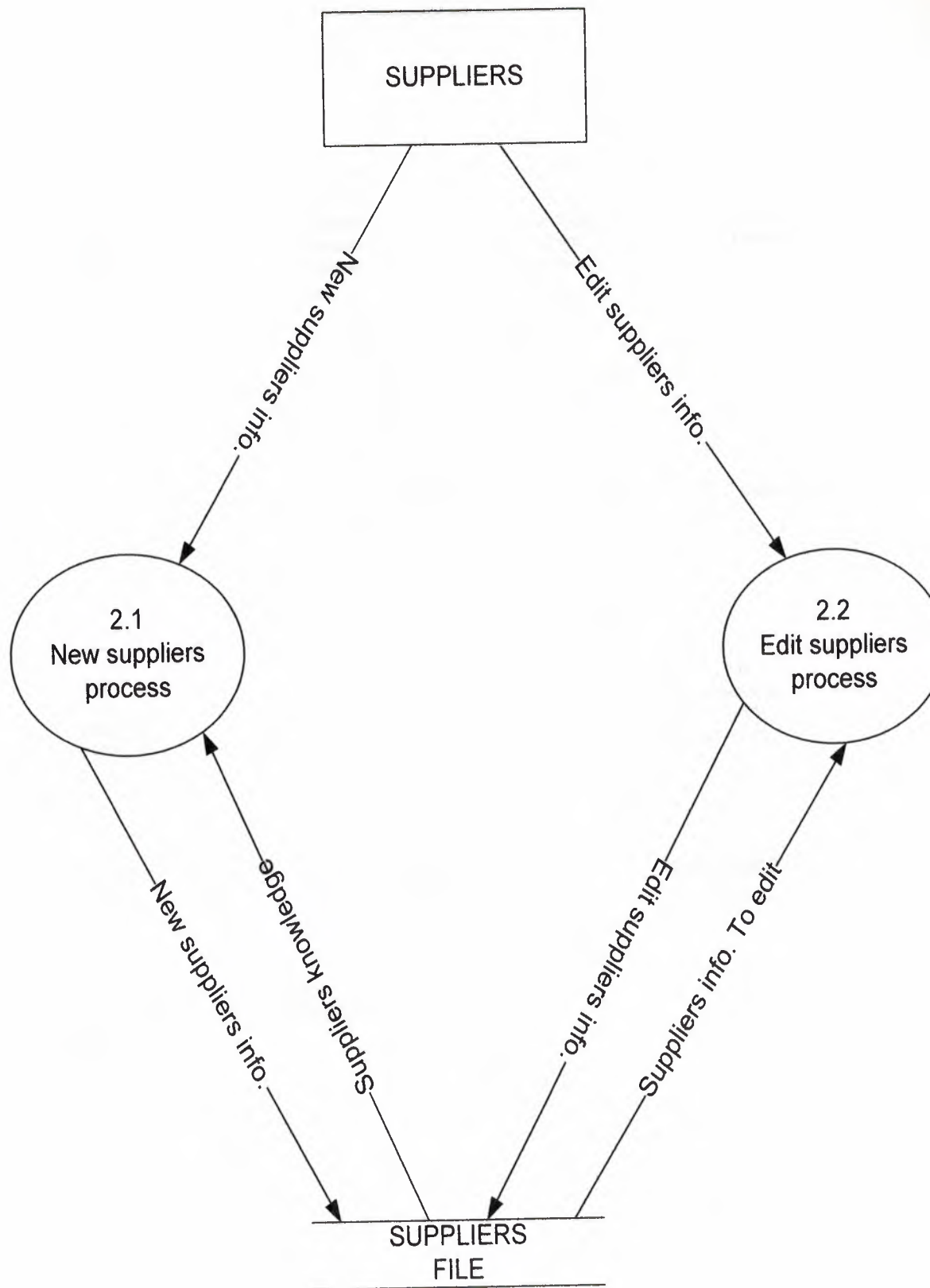
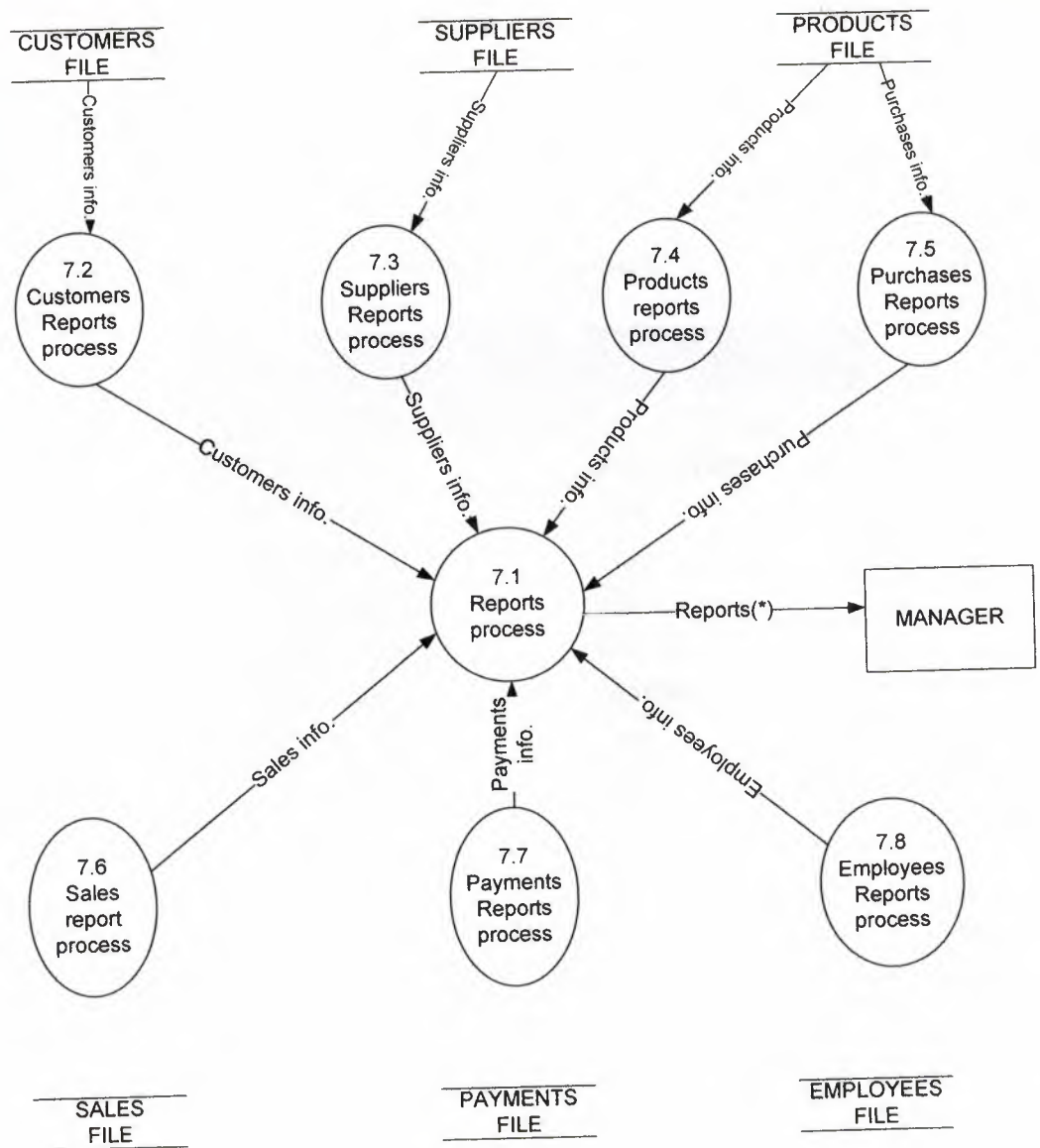


Figure 1.8: Detail DFD for Suppliers



(*)
 1. customers reports.
 2. suppliers reports.
 3. products reports.
 4. purchases reports.
 5. sales reports.

6. payments reports.
 7. employees reports.

Figure 1.9: Detail DFD for Reports

1.2 DATABASE DESIGN

Table 1.1: Customers

customers	
Field Name	Data Type
customer_id	AutoNumber
first_name	Text
last_name	Text
email_address	Text
mobile_phone	Number
fax_number	Number
address	Text

General

Lookup

Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Smart Tags	
Text Align	General

Table 1.2: Employees

employees	
Field Name	Data Type
employee_id	AutoNumber
first_name	Text
second_name	Text
third_name	Text
last_name	Text
email_address	Text
address	Text
city	Text
salary	Currency
major	Text
mobile_phone	Text
home_phone	Text
interest_in_job	Number
attendance	Number
performance	Number
remark	Text

General	Lookup
Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Smart Tags	
Text Align	General

Table 1.3: Payments and Payments Method

payments and payments method	
Field Name	Data Type
payment_id	AutoNumber
sale_id	Number
payment_date	Date/Time
by_cash	Yes/No
by_credit	Yes/No
installment	Number
payment_each_month	Number
customer_debit	Number
total_price	Number

General

Lookup

Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Smart Tags	
Text Align	General

Table 1.4: Products and Purchases

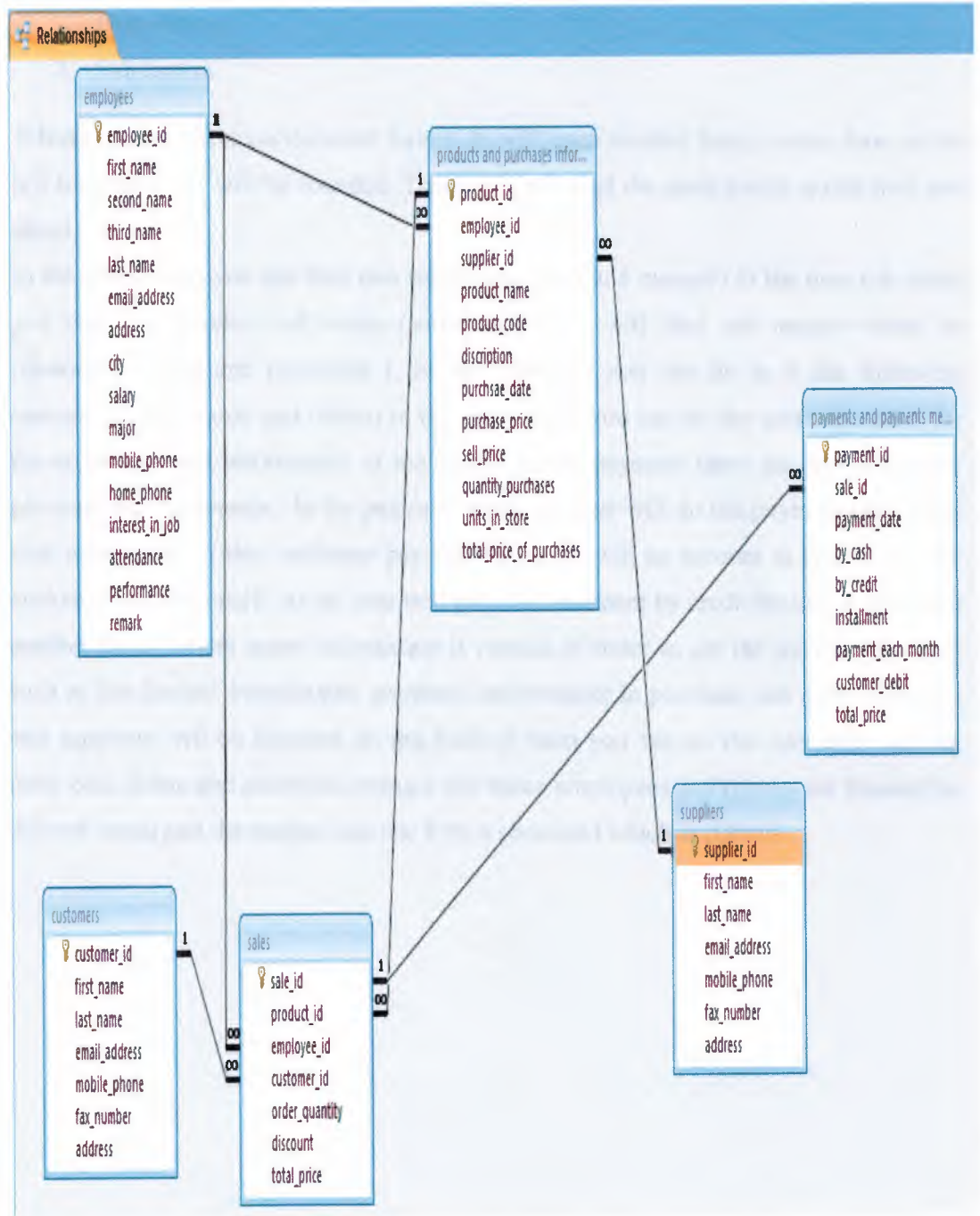
products and purchases information	
Field Name	Data Type
product_id	AutoNumber
employee_id	Number
supplier_id	Number
product_name	Text
product_code	Text
discription	Text
purchsae_date	Date/Time
purchase_price	Currency
sell_price	Currency
quantity_purchases	Number
units_in_store	Number
total_price_of_purchases	Currency
General Lookup	
Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Smart Tags	
Text Align	General

Table 1.5: Sales Information[illegible]

Table 1.6: Supplier Information

[illegible]

Table 1.7: Relation Between Tables



2. USER MANUAL

2.1 USER GUIDELINES:

When the user opens the program, it will show him two kinds of buttons and these are;

1. Enter button.
2. Exit button.

When the user clicks on the enter button its will open another form, in this form in the left top side a bar will be founded. There you will find the main menu, quick start and about.

In the main menu you can find two sub menus (user and manger) in the user sub menu you can find another sub menu (sales) in it you will find sub menus where its (customers ,sales and payments). In the customer you can do in it the following operation (add, search and delete) in the sales menu you can do the sales operation for the customers and information of the sales). In the payment there are two sub menu payment and repayment. .in the payment menu the user will do the payment operation(cash and credit) ,if the customer pay full amount it will be account as cash but if the customer pays by credit so the user will go to the payment by credit button ,it will open another form where some information is needed in order to get the payment by cash such as (un limited installments ,payment information).In purchase sub menu products and suppliers will be founded. In the both of them you can do the operation such as (add, edit, delete and search).In manger sub menu employees and reports are founded in this sub menu just the manger can use it by a password which is (Omar).

2.2 USER FLOW CHART

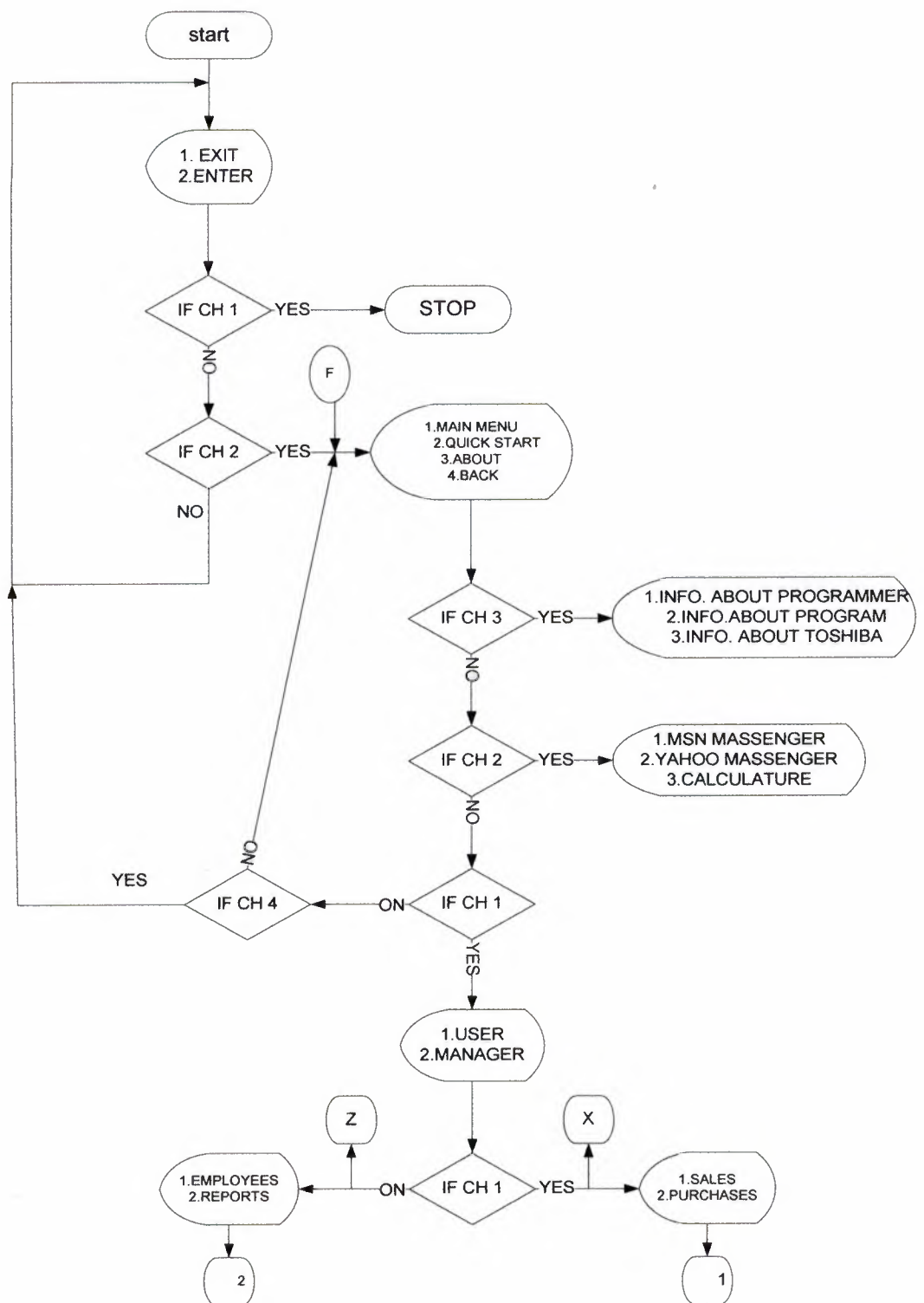


Figure 1.10: Main Menu

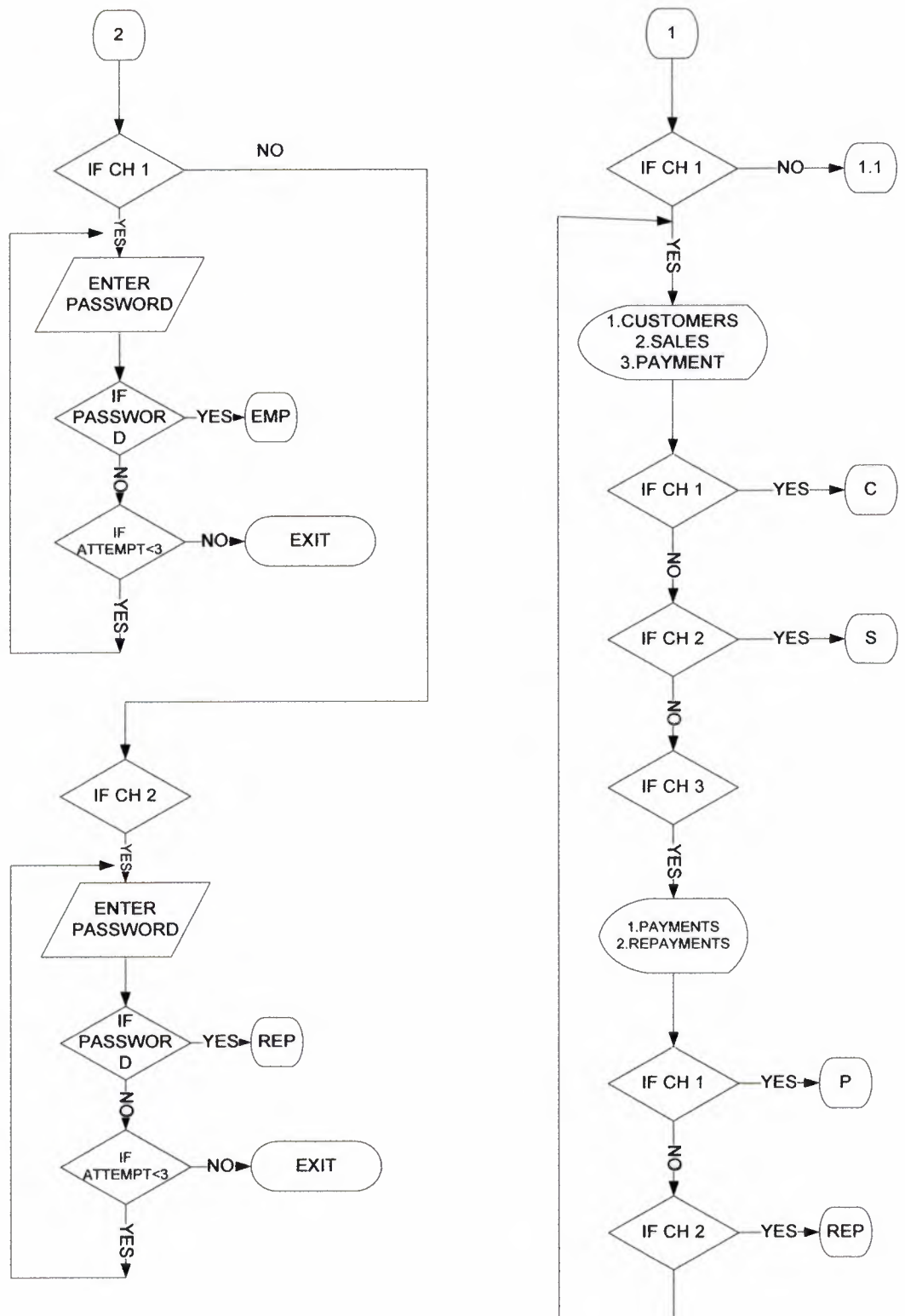


Figure 1.11: Continues of Main Menu

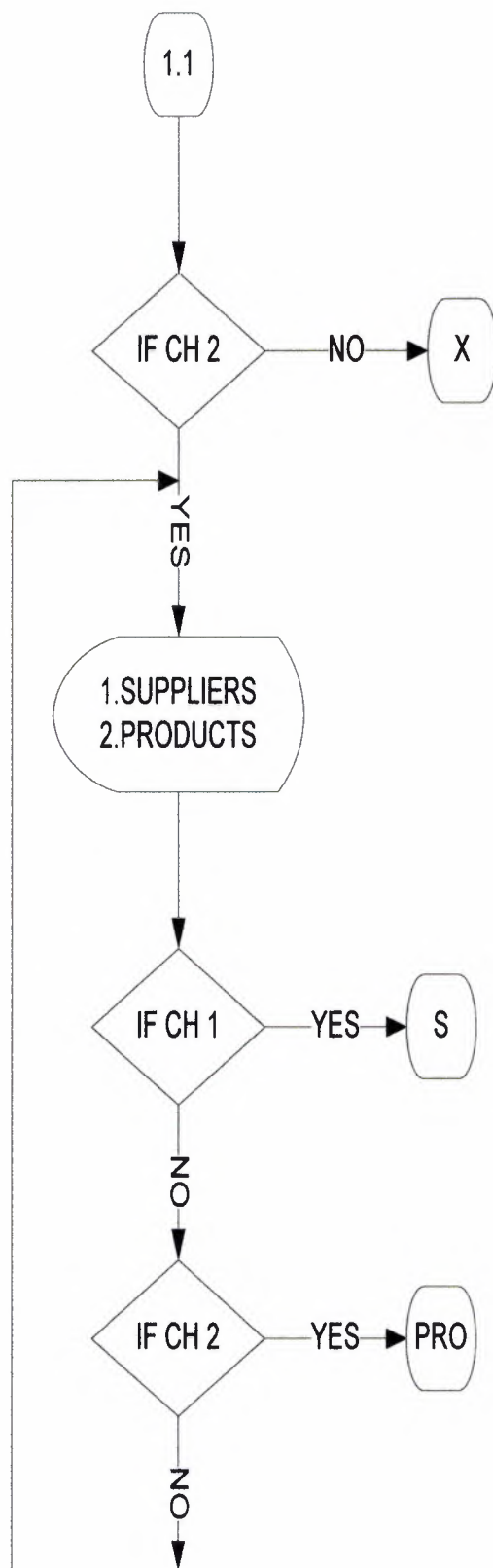


Figure 1.12: Continues of Main Menu

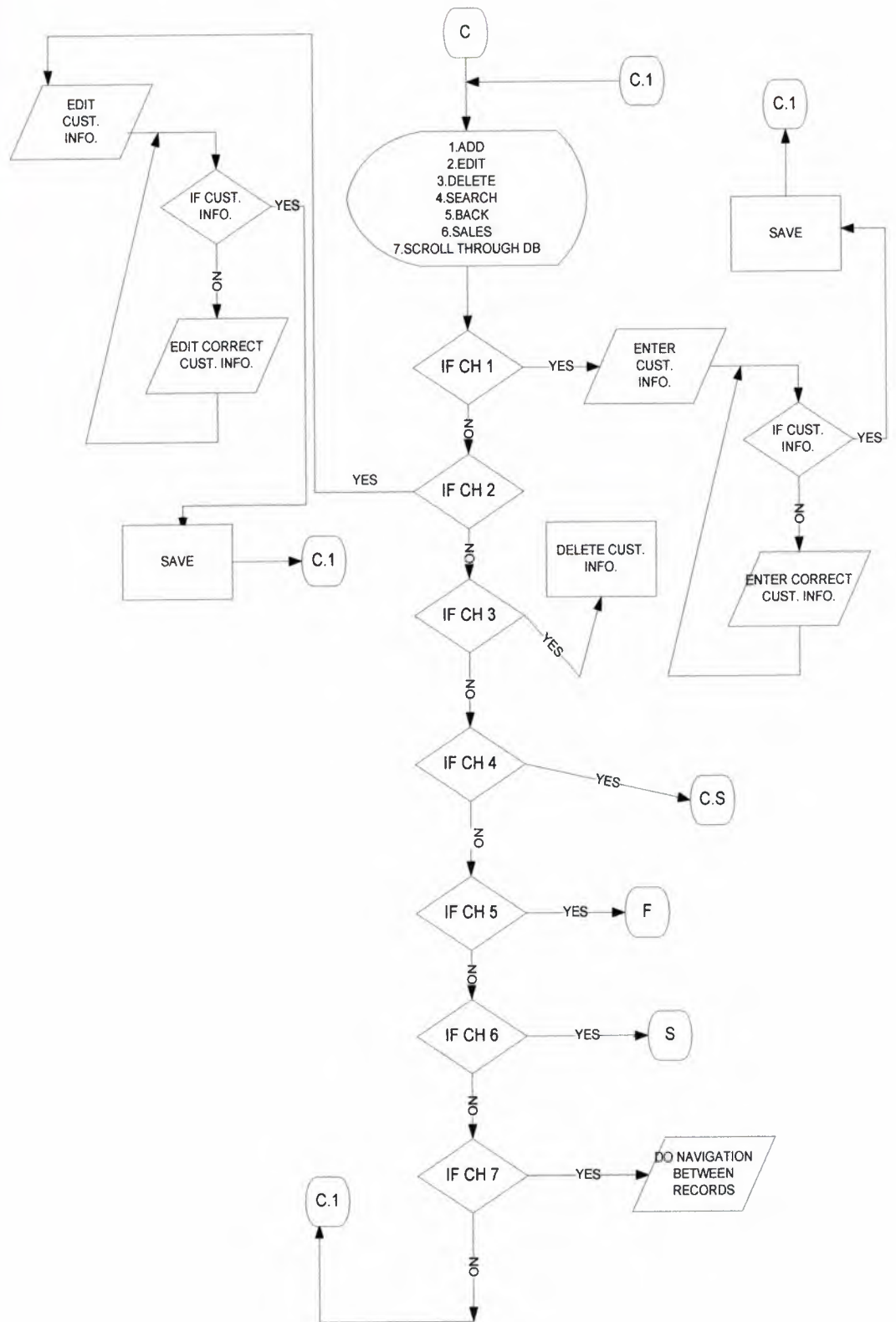


Figure 1.13: Customers

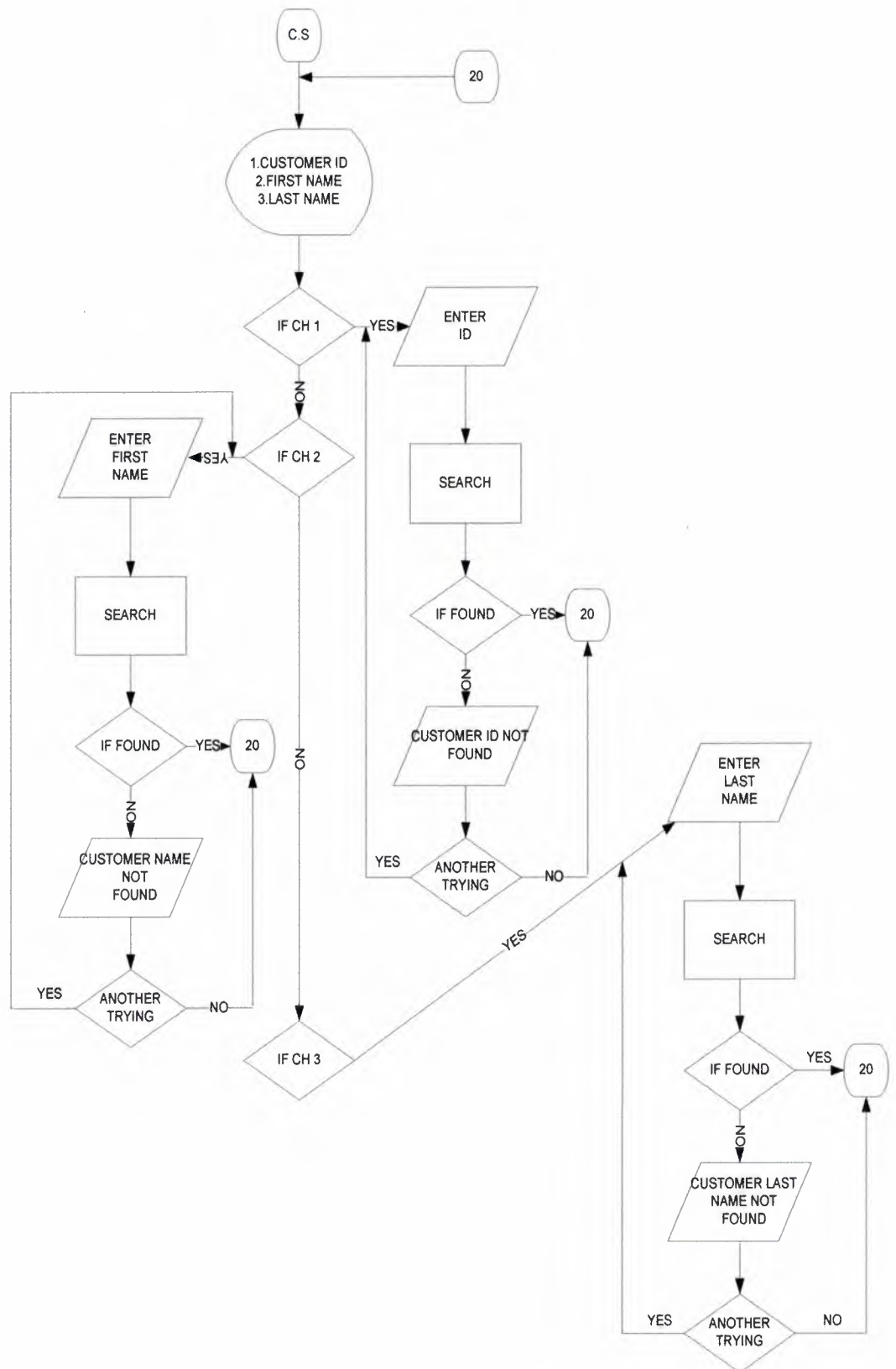


Figure 1.14: Search of Customers

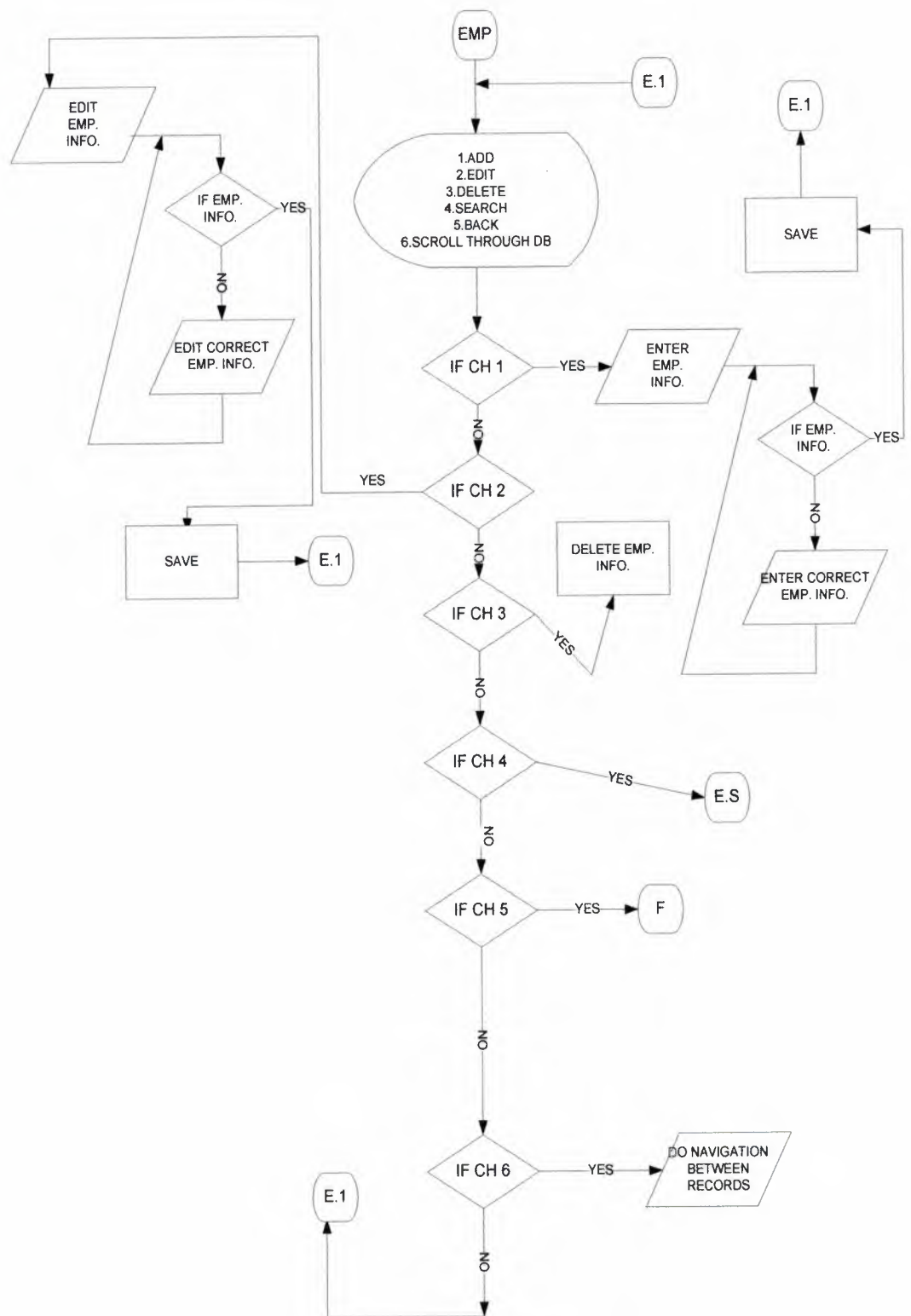


Figure 1.15: Employees

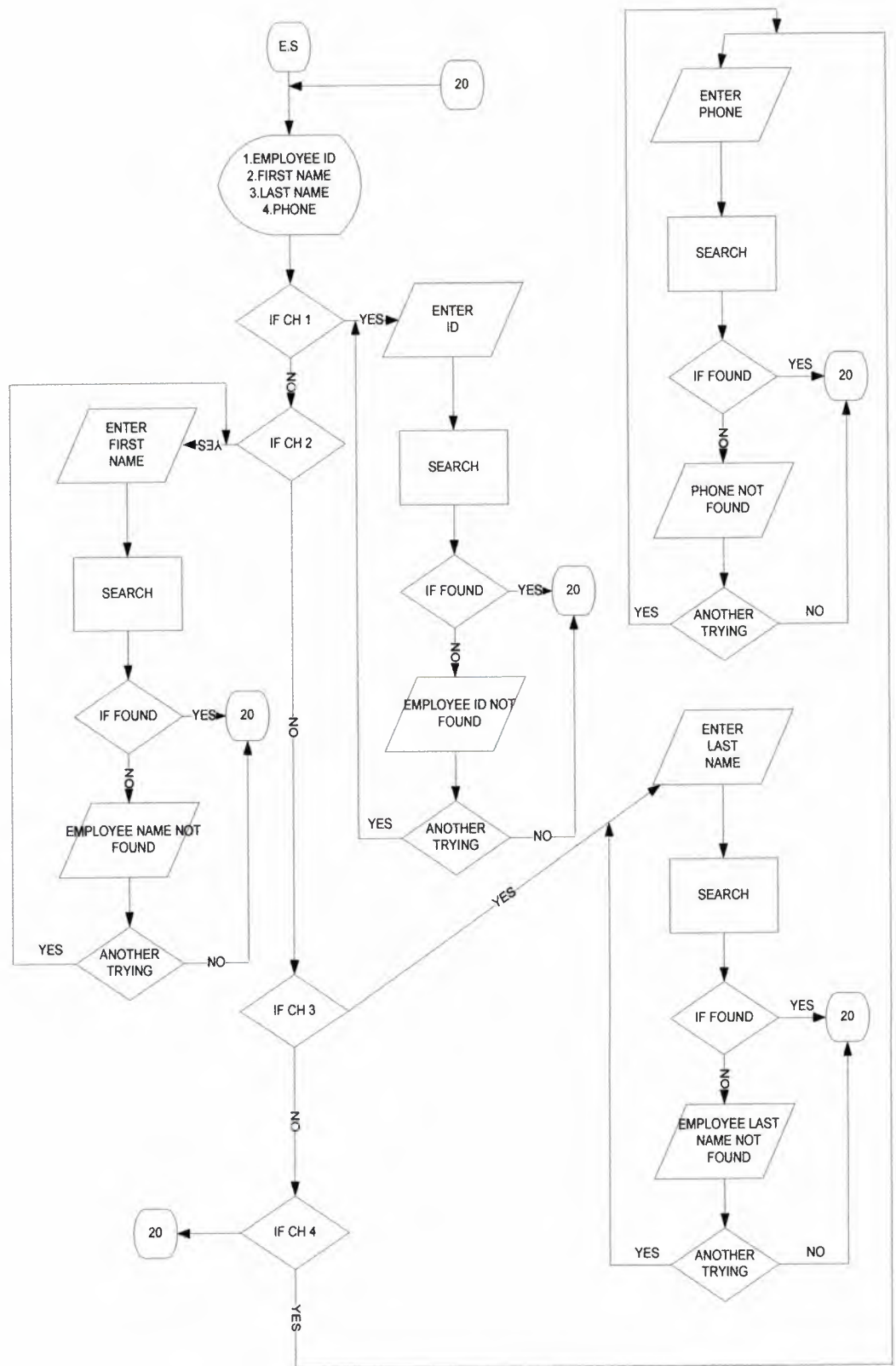


Figure 1.16: Search of Employees

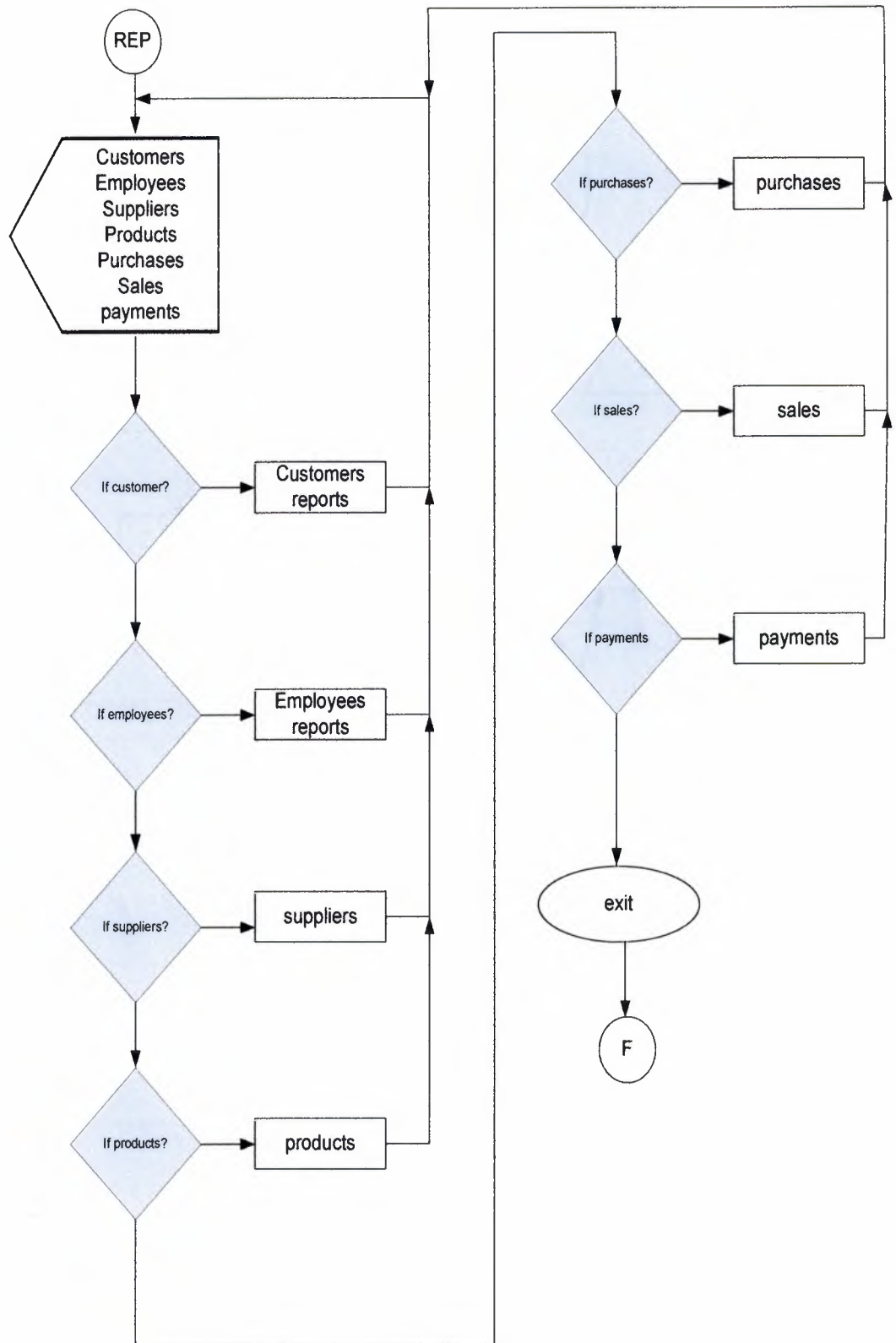


Figure 1.17: Reports

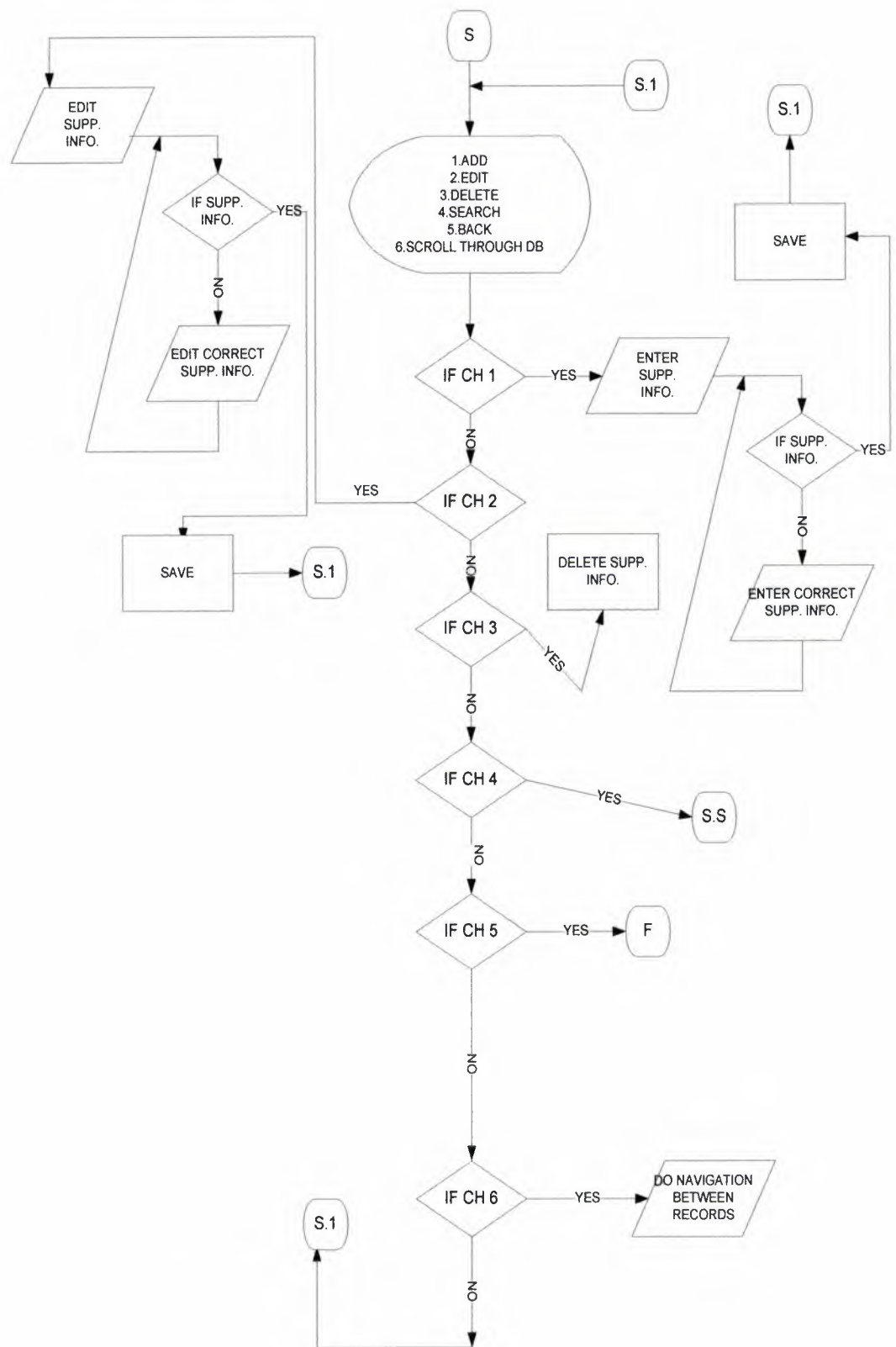


Figure 1.18: Suppliers

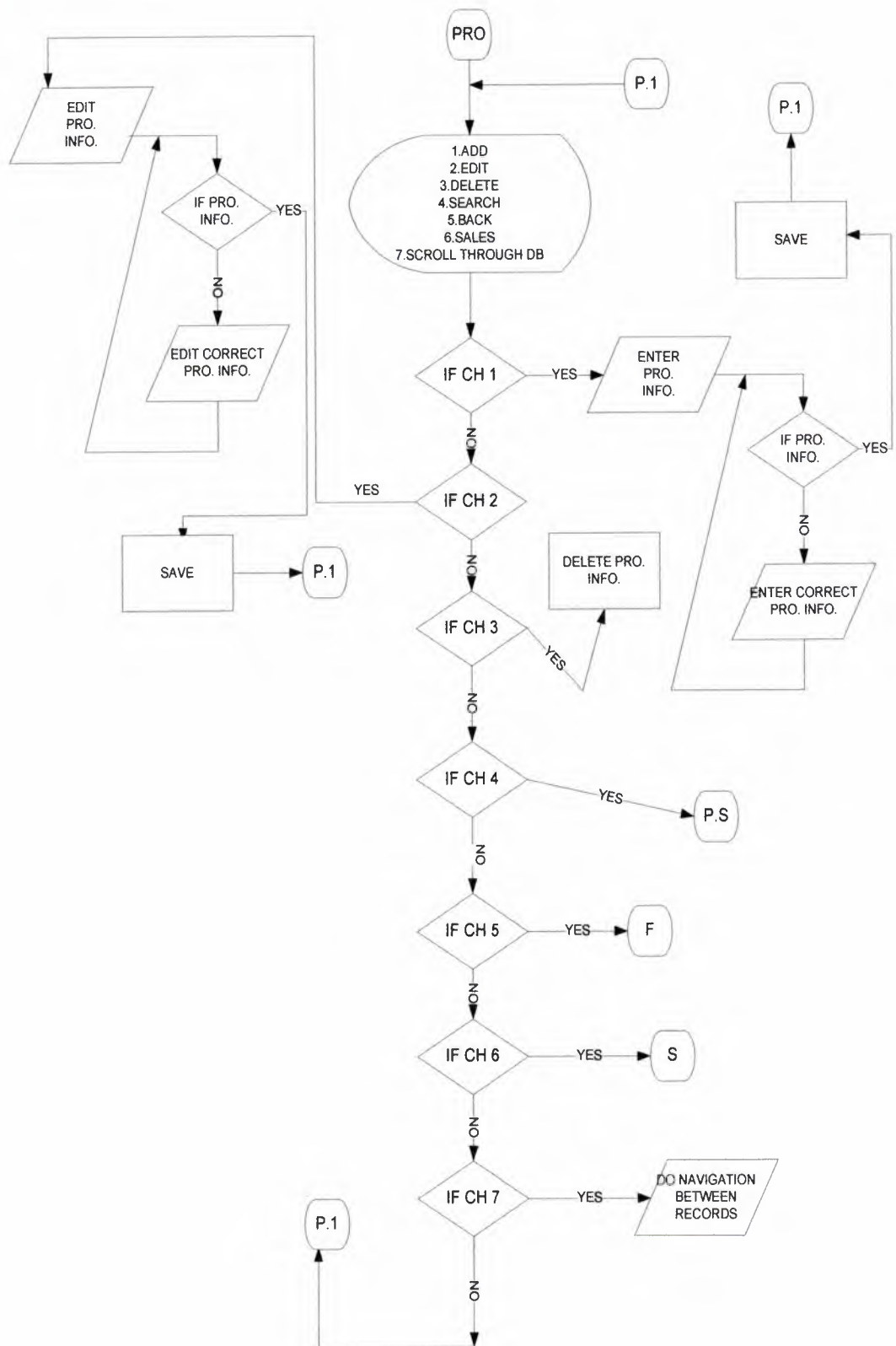


Figure 1.19: Products

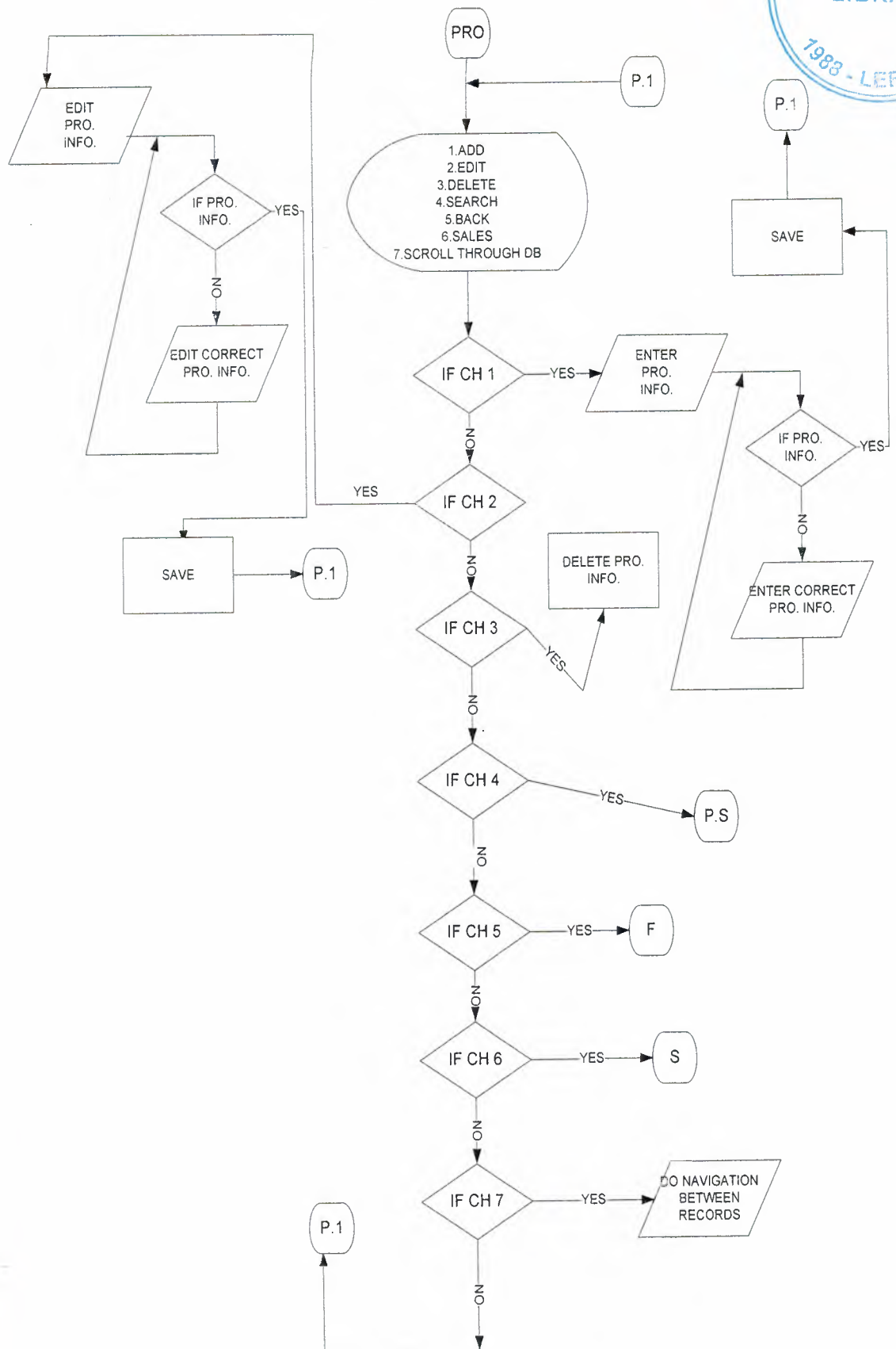


Figure 1.19: Products

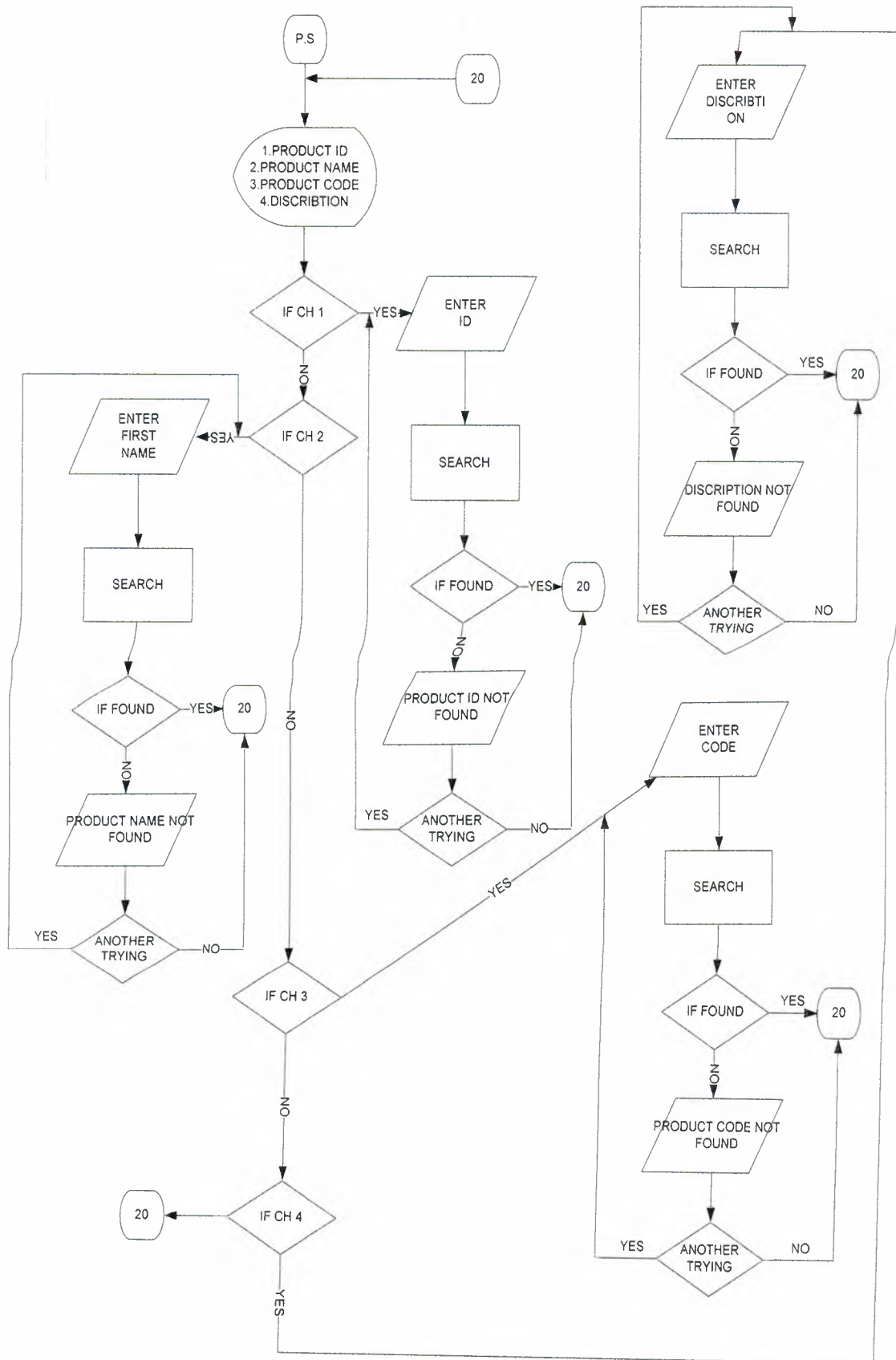


Figure 1.20: Search for products

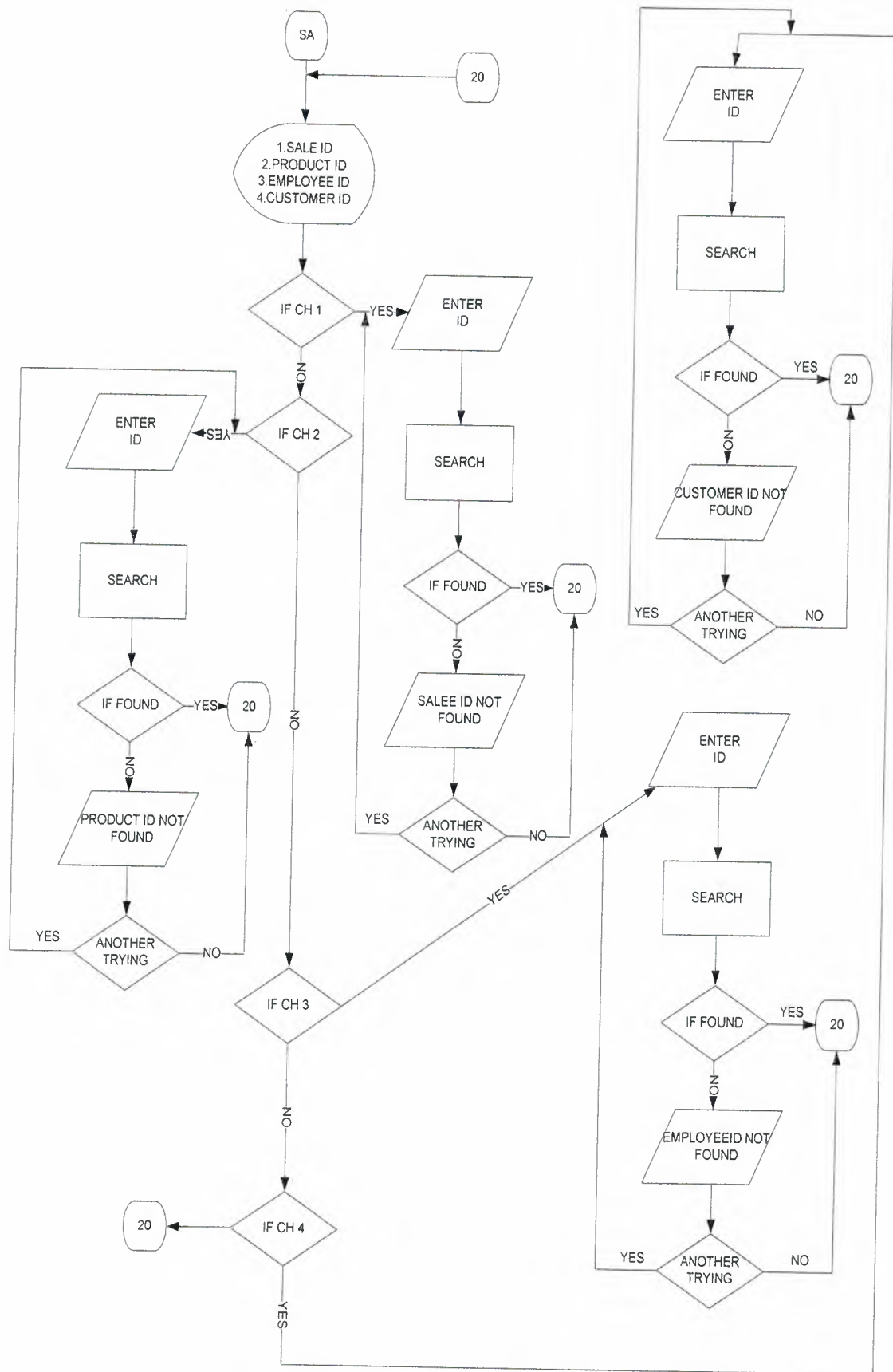


Figure 1.21: Search of sales

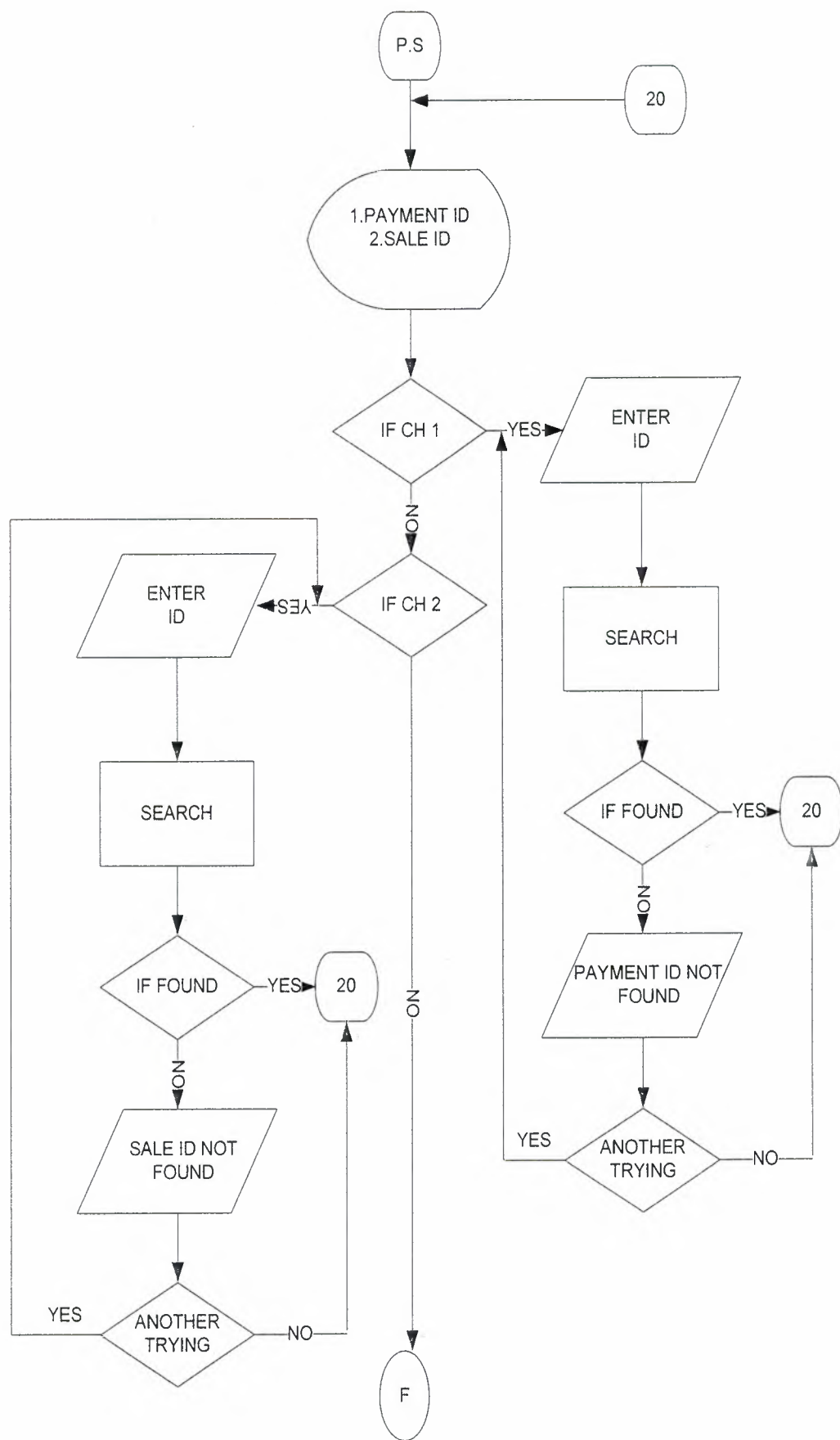


Figure 1.23: Search of payments

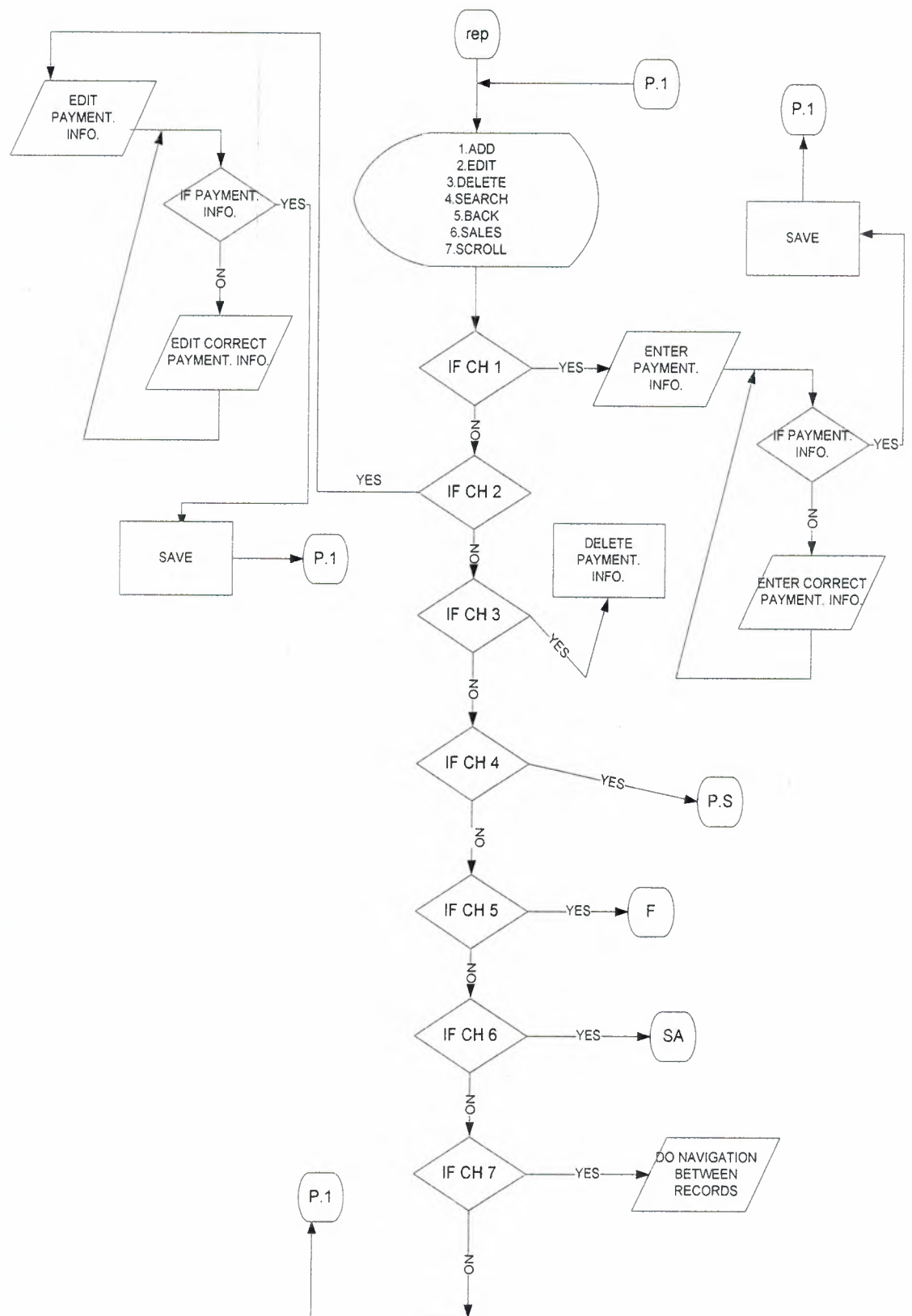


Figure 1.24: repayments

3. REFERENCES

- [1] Fugazzotto,L .Mastering Delphi 7 (2003)
- [2] Hladni,B. Inside Delphi 2006
- [3] Karagulle,I.Borland Delphi 7(2003)

APPENDIX 1
SCREEN OUTPUTS



Figure 1.28: First Screen



Figure 1.29: Main Menu



Figure 1.30: Main Menu for Sales



Figure 1.31: Main Menu for Purchases



Figure 1.32: Main Menu for Manager

CUSTOMERS INFORMATION

CUSTOMER ID

FIRST NAME

LAST NAME

EMAIL ADDRESS

MOBILE NUMBER

FAX NUMBER

ADDRESS

MULTIPLE SEARCH

- CUSTOMER ID
- FIRSTNAME
- LAST NAME

SEARCH

ADDITIONAL INFORMATION

SALES

TOSHIBA

ADDITIONAL BUTTONS

scroll through DB

add delete refresh

save cancel

BACK

Figure 1.33: Customers Information Form

SALES

SALES INFORMATION

SALE ID

PRODUCT ID

PRODUCT NAME

UNITS IN STORE

EMPLOYEE ID

EMPLOYEE NAME

CUSTOMER ID

CUSTOMER NAME

ORDER QUANTITY

PRICE

TOTAL PRICE

SELL

MULTIPLE SEARCH

- SALE ID
- PRODUCT ID
- EMPLOYEE ID
- CUSTOMER ID

SEARCH

ADDITIONAL INFORMATION

PRODUCTS CUSTOMERS ACCOUNTS

TOSHIBA

DB BOTTUNS FOR SALES

scroll through DB

add delete edit refresh

save cancel

BACK

Figure 1.34: Sales Information Form

PAYMENTS

PAYMENT ID
 SALE ID
 PRODUCT ID
 CUSTOMER ID
 PAYMENT DATE
 TOTAL PRICE OF SALE
 PAYMENT AMOUNT

PAYMENTS METHOD

☐ SELL BY CASH
☐ SELL BY CREDIT

MULTIPLE SEARCH

• PAYMENT ID
 • SALE ID

ADDITIONAL INFORMATION

TOSHIBA

DB BUTTONS

scroll through DB

Figure 1.35: Payments Information Form

PAYMENT BY CREDIT

PAYMENTS BY CREDIT

PAYMENT ID
 SALE ID
 INSTALLMENTS
 TOTAL PRICE
 PAYMENT AMOUNT FOR EACH MONTH
 CUSTOMER DEBIT

SEARCH

• PAYMENT ID
 • SALE ID

TOSHIBA

DB BUTTONS

scroll through DB

Figure 1.36: Payments By Credit Information Form

REPAYMENTS

PAYMENTS ID

SALE ID

CUSTOMER DEBIT

BY CREDIT

PAYMENT DATE

PAYMENT EACH MONTH

INSTALLMENTS

SEARCH

- PAYMENTS ID
- SALES ID

TOSHIBA

DB BUTTONS

scroll through DB

add delete edit

save cancel

Figure 1.37: Repayments Information Form

WELCOME TO TOSHIBA COMPANY

SECURITY FOR EMPLOYEES

TOSHIBA

PLEASE ENTER THE PASSWORD

TOSHIBA

Figure 1.38: Security for Employees

EMPLOYEES INFORMATION AND EVALUATION

EMPLOYEES INFORMATION

EMPLOYEE ID

FIRST NAME SECOND NAME THIRD NAME LAST NAME

EMAIL ADDRESS

ADDRESS

CITY

SALARY

MAJOR

MOBILE PHONE

HOME PHONE

EMPLOYEES EVALUATION

GRADE

GRADE >= 90 (EXCELLENT)

BETWEEN 89 AND 85 (GOOD)

BETWEEN 84 AND 75 (FAIR)

BETWEEN 74 AND 65 (POOR)

GRADE <= 64 (UNSATISFACTORY)

INTEREST IN JOB

ATTENDANCE

PERFORMANCE

REMARK

[EVALUATE](#)

TOSHIBA

DB BUTTONS

scroll through DB

save cancel

add delete refresh

MULTIPLE SEARCH

- EMPLOYEE ID
- FIRST NAME
- LAST NAME
- MOBILE PHONE

[SEARCH](#)

[BACK](#)

Figure 1.39: Employees Information Form

WELCOME TO TOSHIBA COMPANY

SECURITY FOR REPORTS

TOSHIBA

PLEASE ENTER THE PASSWORD

[OK](#) [CANCEL](#)

TOSHIBA

[BACK](#)

Figure 1.40: Security for Reports



Figure 1.41: Reports

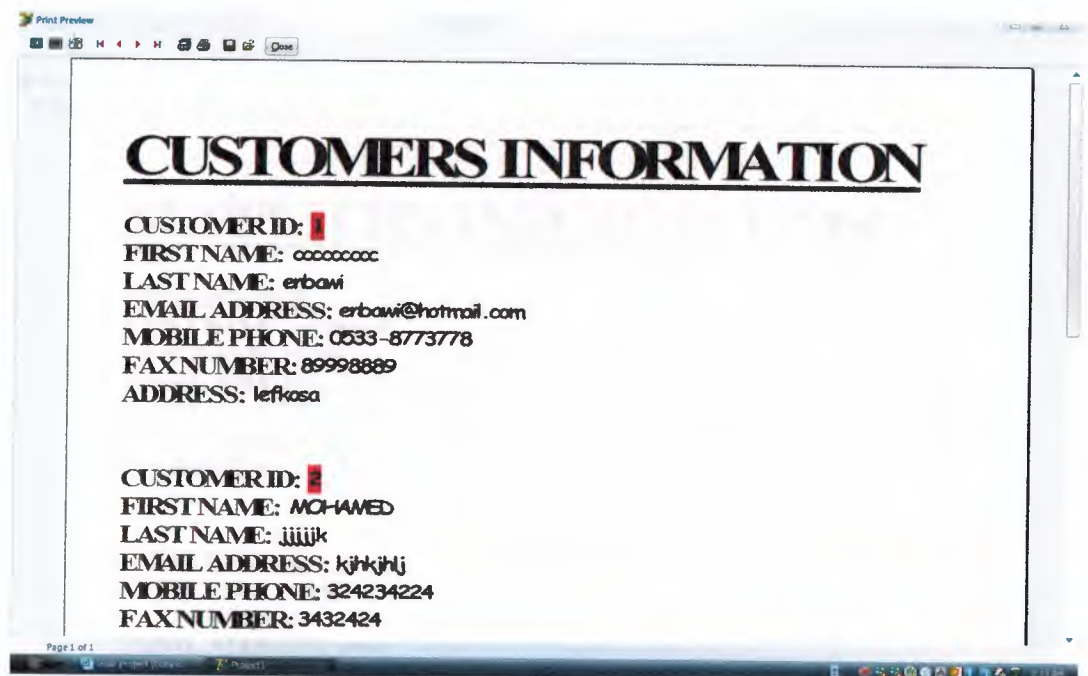


Figure 1.42: Customers Report

Print Preview

EMPLOYEES INFORMATION AND EVALUATION

INFORMATION	EVALUATION
EMPLOYEE ID: 1	INTEREST IN JOB: 90
FIRST NAME: tala	ATTENDANCE: 99
SECOND NAME: saleh	PERFORMANCE: 90
THIRD NAME: jkj	REMARK: excellent
LAST NAME: kjlk	
EMAIL ADDRESS: tala@hotmail.com	
ADDRESS: cyprus	
CITY: lefkosa	
SALARY: 1000	
MAJOR: sales	
MOBILE PHONE: 8767821	
HOME PHONE: 7659876	

Page 1 of 1

Figure 1.43: Employees Information Report

Print Preview

SUPPLIERS INFORMATION

SUPPLIER ID: 1

FIRST NAME: mohammed

LAST NAME: erbawi

EMAIL ADDRESS: m@hotmail.com

MOBILE PHONE: 0097150-7527472

FAX NUMBER: 7655567

ADDRESS: uae

SUPPLIER ID: 2

FIRST NAME: vcv

LAST NAME: vcv

EMAIL ADDRESS: vcv

MOBILE PHONE: 5345353

PAYMENT METHOD: RAZAK

Page 1 of 1

Figure 1.44: Suppliers Information Report

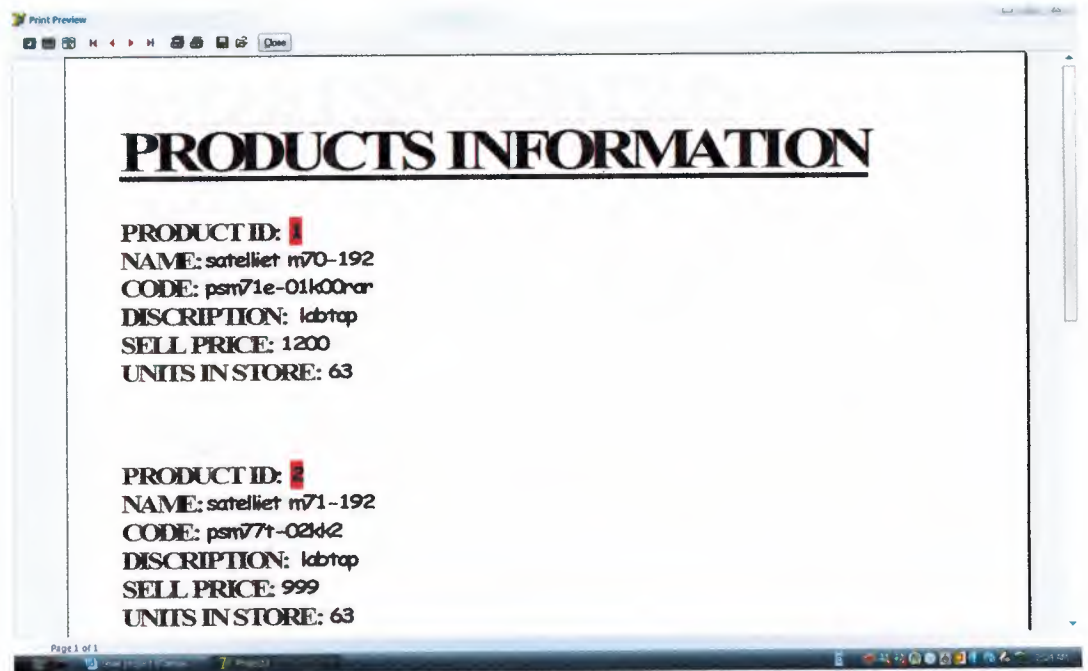


Figure 1.45: Products Information Report

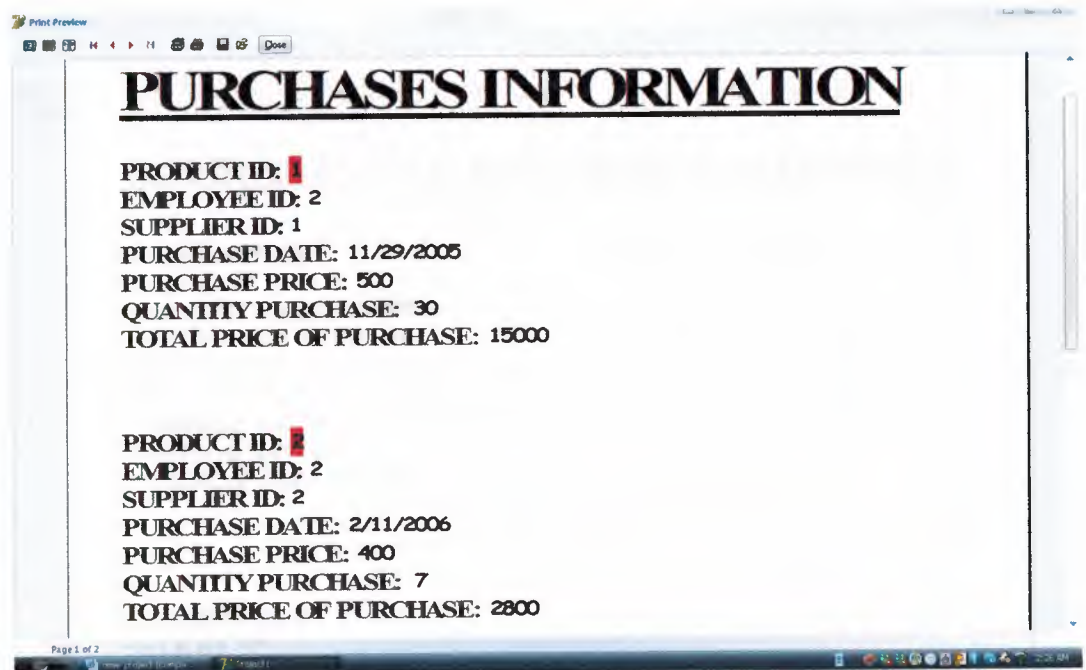


Figure 1.46: Purchases Information Report

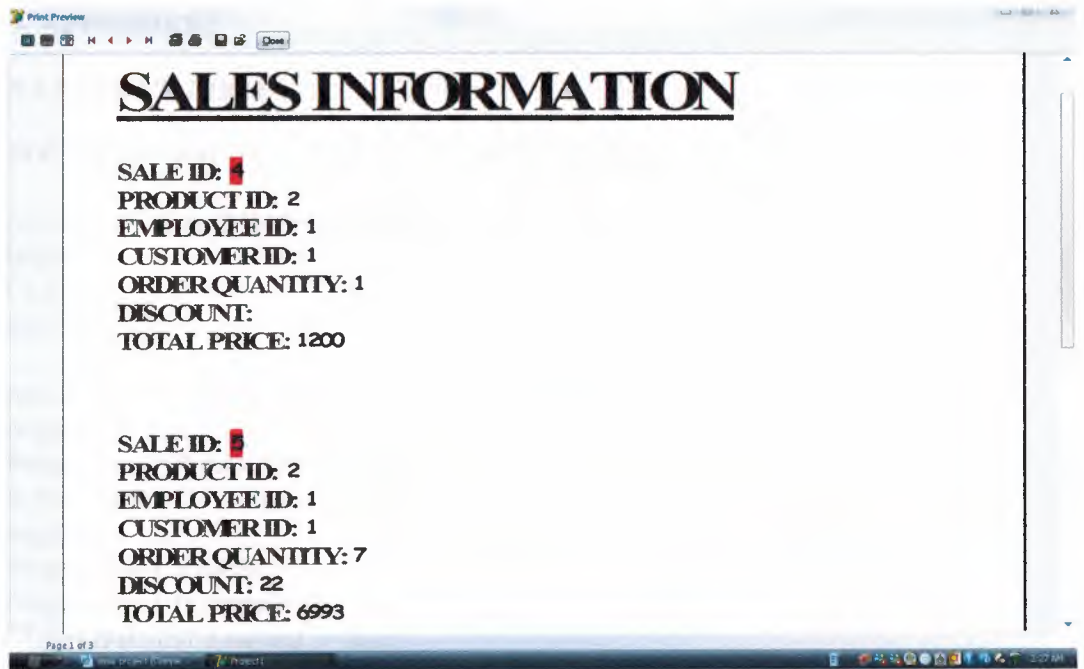


Figure 1.47: Sales Information Report

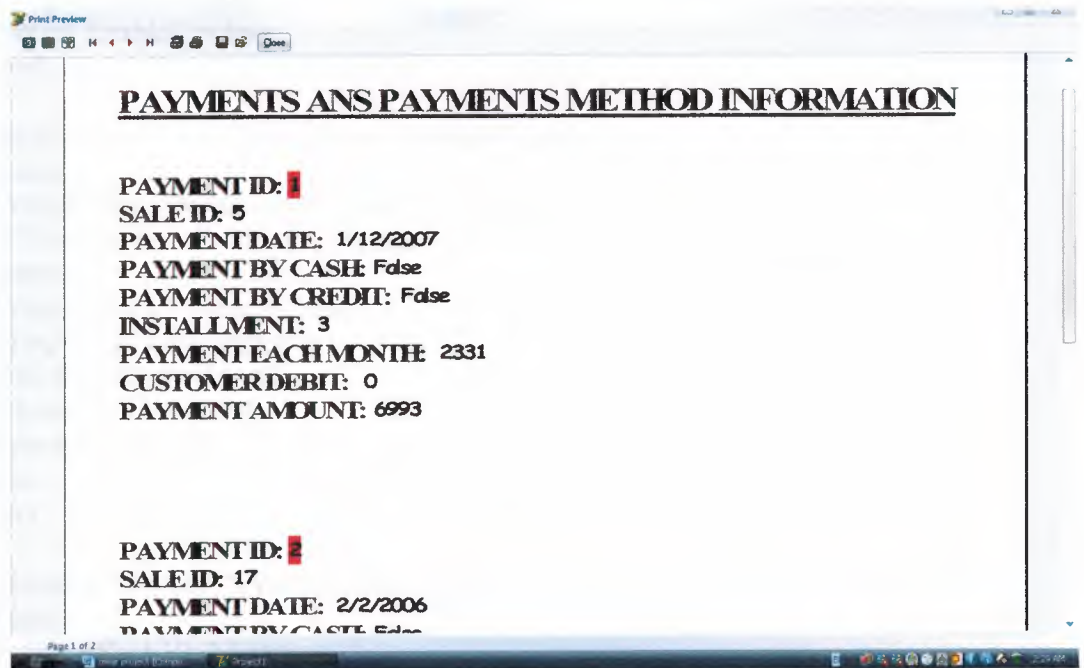


Figure 1.48: Payments and Payments Method Information Report

5. APPENDEX2

5.1 SOURCE CODE

SOURCE CODE FOR THE MAIN MENU FORM:

```
procedure TForm2.Button1Click(Sender: TObject);
begin
CLOSE;
end;

procedure TForm2.Timer1Timer(Sender: TObject);
begin
ProgressBar1.Position:= ProgressBar1.Position + 1;
if ProgressBar1.Position >= 50 then
begin
ProgressBar1.Visible:= False;
ProgressBar1.Position:= 0;
CUSTOMERS1.Enabled := true;

Timer1.Enabled:= false;
form3.ShowModal;
end
end;

procedure TForm2.CUSTOMERS1Click(Sender: TObject);
begin
ProgressBar1.Visible:=true;
timer1.Enabled := true;
end;

procedure TForm2.Timer2Timer(Sender: TObject);
begin
ProgressBar1.Position:= ProgressBar1.Position + 1;
if ProgressBar1.Position >= 50 then
begin
ProgressBar1.Visible:= False;
ProgressBar1.Position:= 0;
SALES1.Enabled := true;
Timer2.Enabled:= false;
form4.ShowModal;
end
end;

procedure TForm2.SALES2Click(Sender: TObject);
begin
ProgressBar1.Visible:=true;
timer2.Enabled := true;

end;
procedure TForm2.Timer3Timer(Sender: TObject);
```



```

begin
ProgressBar1.Position:= ProgressBar1.Position + 1;
if ProgressBar1.Position >= 50 then
begin
ProgressBar1.Visible:= False;
ProgressBar1.Position:= 0;
PAYMENTS1.Enabled := true;
Timer3.Enabled:= false;
form5.ShowModal;
end
end;

procedure TForm2.PAYMENTS1Click(Sender: TObject);
begin
ProgressBar1.Visible:=true;
timer3.Enabled := true;
end;

procedure TForm2.Timer4Timer(Sender: TObject);
begin
ProgressBar1.Position:= ProgressBar1.Position + 1;
if ProgressBar1.Position >= 50 then
begin
ProgressBar1.Visible:= False;
ProgressBar1.Position:= 0;
SUPPLIERS1.Enabled := true;
Timer4.Enabled:= false;
form6.ShowModal;
end
end;

procedure TForm2.SUPPLIERS1Click(Sender: TObject);
begin
ProgressBar1.Visible:=true;
timer4.Enabled := true;
end;

procedure TForm2.PURCHASES2Click(Sender: TObject);
begin
ProgressBar1.Visible:=true;
timer5.Enabled := true;
end;

procedure TForm2.Timer5Timer(Sender: TObject);
begin
end;
procedure TForm2.Timer6Timer(Sender: TObject);

```

```

begin
ProgressBar1.Position:= ProgressBar1.Position + 1;
if ProgressBar1.Position >= 50 then
begin
ProgressBar1.Visible:= False;
ProgressBar1.Position:= 0;
PRODUCTS1.Enabled := true;
Timer6.Enabled:= false;
form8.ShowModal;
end
end;

procedure TForm2.PRODUCTS1Click(Sender: TObject);
begin
ProgressBar1.Visible:=true;
timer6.Enabled := true;
end;

procedure TForm2.EMPLOYEES1Click(Sender: TObject);
begin
FORM9.SHOWMODAL;
end;

procedure TForm2.REPORTS1Click(Sender: TObject);
begin
FORM11.ShowModal;
end;

procedure TForm2.MSNMASSENGER1Click(Sender: TObject);
begin
winexec('C:\Program Files\MSN Messenger\msnmsgr.exe',9);
end;

procedure TForm2.CALCULATOR1Click(Sender: TObject);
begin
winexec('C:\windows\system32\calc.exe',9);
end;

procedure TForm2.INTERNETEXPLORER1Click(Sender: TObject);
begin
winexec('C:\Program Files\Internet Explorer\IEXPLORE.EXE',9);
end;

procedure TForm2.YAHOOMASSENGER1Click(Sender: TObject);
begin
winexec('C:\Program Files\YAHOO!\MESSENGER\YAHOOMESSENGER.exe',9);
end;

procedure TForm2.REPAYMENTS1Click(Sender: TObject);

```

```
begin
FORM24.SHOWMODAL;
end;

end.
```

SOURCE CODE FOR THE CUSTOMER FORM:

```
procedure TForm3.Button1Click(Sender: TObject);
var
  A,b,C:boolean;
begin
  if radiobutton1.checked then
    begin
      A:=ADOtable1.Locate('CUSTOMER_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
      canvas.font.Color:=clred;
      if not A=true then
        showmessage('CUSTOMER ID NOT FOUND');
      edit1.setfocus;
    end;
    if radiobutton2.checked then
      begin
        b:=ADOtable1.Locate('FIRST_NAME',edit1.Text,[lopartialkey,locaseinsensitive]);
        canvas.font.Color:=clred;
        if not b=true then
          showmessage('CUSTOMER NAME NOT FOUND');
        edit1.setfocus;
      end;
      if radiobutton3.checked then
        begin
          C:=ADOtable1.Locate('LAST_NAME',edit1.Text,[lopartialkey,locaseinsensitive]);
          canvas.font.Color:=clred;
          if not C=true then
            showmessage('CUSTOMER NAME NOT FOUND');
          edit1.setfocus;
        end;
      end;

  end;

  procedure TForm3.Button3Click(Sender: TObject);
  begin
    FORM4.SHOWMODAL;
    FORM3.Hide;
  end;

end.
```


SOURCE CODE FOR SALES FORM:

```
procedure TForm4.Button3Click(Sender: TObject);
var
  A,B,C,D:boolean;
begin
  if radiobutton1.checked then
  begin
    A:=ADOtable1.Locate('SALE_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
    canvas.font.Color:=clred;
    if not A=true then
      showmessage('SALE ID NOT FOUND');
    edit1.setfocus;
  end;
  if radiobutton2.checked then
  begin
    b:=ADOtable1.Locate('PRODUCT_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
    canvas.font.Color:=clred;
    if not b=true then
      showmessage('PRODUCT ID NOT FOUND');
    edit1.setfocus;
  end;
  if radiobutton3.checked then
  begin
    C:=ADOtable1.Locate('EMPLOYEE_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
    canvas.font.Color:=clred;
    if not C=true then
      showmessage('EMPLOYEE ID NOT FOUND');
    edit1.setfocus;
  end;
  if radiobutton4.checked then
  begin
    D:=ADOtable1.Locate('CUSTOMER_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
    canvas.font.Color:=clred;
    if not D=true then
      showmessage('CUSTOMER ID NOT FOUND');
    edit1.setfocus;
  end;

end;

procedure TForm4.Button4Click(Sender: TObject);
begin
  form8.showmodal;
end;
```

```

procedure TForm4.Button5Click(Sender: TObject);
begin
form10.showmodal;
end;

procedure TForm4.Button6Click(Sender: TObject);
begin
form3.showmodal;
end;

procedure TForm4.Button7Click(Sender: TObject);
begin
FORM5.SHOWMODAL;
end;

procedure TForm4.DBLookupComboBox1Click(Sender: TObject);
begin
dbedit2.Text:=dblookupcombobox1.Text;
end;

procedure TForm4.DBLookupComboBox2Click(Sender: TObject);
begin
dbedit3.Text:=dblookupcombobox2.Text;
end;

procedure TForm4.DBLookupComboBox3Click(Sender: TObject);
begin
dbedit4.Text:=dblookupcombobox3.Text;
end;

procedure TForm4.Button2Click(Sender: TObject);
VAR
P,Q,STORE:REAL;
begin
Q:=STRTOFLOAT(DBEDIT5.Text);
P:=STRTOFLOAT(DBEDIT8.Text);
ADOTable2.Close;
ADOTable2.Open;
ADOTable2.Edit;
if ADOTable2.FieldName('units_in_store').AsInteger >= strtoint(dbedit5.text) then
begin
ADOTable2.Close;
ADOTable2.Open;
ADOTable2.Edit;
ADOTable2.FieldName('units_in_store').AsInteger:=ADOTable2.fieldbyname('units_in_store').AsInteger-strtoint(dbedit5.Text);
ADOTable2.Post;
DBEDIT9.Text:=FLOATTOSTR(P*Q);
end
else

```

```
begin
showmessage('Stock Is Less Than Your Entered!!!!');
end;
end;
end.
```

```
procedure TForm4.Button8Click(Sender: TObject);
begin
if DBCheckBox2.Checked then
begin
form14.ShowModal;
end;
end;
end.
```

SOURCE CODE FOR THE PAYMENTS FORM:

```
procedure TForm5.Button2Click(Sender: TObject);
var
  A,B,C:boolean;
begin
  if radiobutton1.checked then
    begin
      A:=ADOtable1.Locate('PAYMENT_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
      canvas.font.Color:=clred;
      if not A=true then
        showmessage('PAYMENT ID NOT FOUND');
      edit1.setfocus;
    end;

    if radiobutton2.checked then
      begin
        b:=ADOtable1.Locate('SALE_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
        canvas.font.Color:=clred;
        if not b=true then
          showmessage('SALE ID NOT FOUND');
        edit1.setfocus;
      end;

  end;

procedure TForm5.Button4Click(Sender: TObject);
begin
  FORM4.ShowModal;
  form14.hide;
end;

procedure TForm5.Button5Click(Sender: TObject);
begin
  FORM17.SHOWMODAL;
end;

procedure TForm5.DBLookupComboBox1Click(Sender: TObject);
begin
  dbedit2.Text:=dblookupcombobox1.Text;
end;

procedure TForm5.DBEdit7Change(Sender: TObject);
begin
  DBEDIT6.Text:=DBEDIT7.Text;
end;

end.
```


SOURCE CODE FOR SUPPLIERS FORM:

```
procedure TForm6.Button2Click(Sender: TObject);
var
  A,B,C,D:boolean;
begin
  if radiobutton1.checked then
    begin
      A:=ADOTable1.Locate('SUPPLIER_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
      canvas.font.Color:=clred;
      if not A=true then
        showmessage('SUPPLIERS ID NOT FOUND');
      edit1.setfocus;
    end;

    if radiobutton2.checked then
      begin
        b:=ADOTable1.Locate('FIRST_NAME',edit1.Text,[lopartialkey,locaseinsensitive]);
        canvas.font.Color:=clred;
        if not b=true then
          showmessage('NAME NOT FOUND');
        edit1.setfocus;
      end;

    if radiobutton3.checked then
      begin
        C:=ADOTable1.Locate('LAST_NAME',edit1.Text,[lopartialkey,locaseinsensitive]);
        canvas.font.Color:=clred;
        if not C=true then
          showmessage('NAME NOT FOUND');
        edit1.setfocus;
      end;

    if radiobutton4.checked then
      begin
        D:=ADOTable1.Locate('MOBILE_PHONE',edit1.Text,[lopartialkey,locaseinsensitive]);
        canvas.font.Color:=clred;
        if not D=true then
          showmessage('MOBILE NUMBER NOT FOUND');
        edit1.setfocus;
      end;
  end;
end.
```

SOURCE CODE FOR PRODUCTS AND PURCHASES FORM:

```
procedure TForm8.Button2Click(Sender: TObject);
var
  A,B,C,D:boolean;
begin
  if radiobutton1.checked then
    begin
      A:=ADOtable1.Locate('PRODUCT_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
      canvas.font.Color:=clred;
      if not A=true then
        showmessage('PRODUCT ID NOT FOUND');
      edit1.setfocus;
      end;

      if radiobutton2.checked then
        begin
          B:=ADOtable1.Locate('PRODUCT_NAME',edit1.Text,[lopartialkey,locaseinsensitive])
          ;
          canvas.font.Color:=clred;
          if not b=true then
            showmessage('PRODUCT NAME NOT FOUND');
            edit1.setfocus;
            end;

          if radiobutton3.checked then
            begin
              C:=ADOtable1.Locate('PRODUCT_CODE',edit1.Text,[lopartialkey,locaseinsensitive]);
              canvas.font.Color:=clred;
              if not C=true then
                showmessage('PRODUCT CODE NOT FOUND');
                edit1.setfocus;
                end;

              if radiobutton4.checked then
                begin
                  D:=ADOtable1.Locate('DISCRIPTION',edit1.Text,[lopartialkey,locaseinsensitive]);
                  canvas.font.Color:=clred;
                  if not D=true then
                    showmessage('DISCRIPTION NOT FOUND');
                    edit1.setfocus;
                    end;
                end;
            end;

        procedure TForm8.DBLookupComboBox2Click(Sender: TObject);
        begin
          dbedit2.Text:=dblookupcombobox2.Text;
        end;
```

```

procedure TForm8.DBLookupComboBox1Click(Sender: TObject);
begin
dbedit7.Text:=dblookupcombobox1.Text;
end;
procedure TForm8.Button3Click(Sender: TObject);
VAR
Q,U,PUR:REAL;
begin
Q:=STRTOFLOAT(DBEDIT11.Text);
U:=STRTOFLOAT(DBEDIT6.Text);
PUR:=STRTOFLOAT(DBEDIT9.Text);
DBEDIT6.Text:=FLOATTOSTR(Q+U);
DBEDIT14.Text:=FLOATTOSTR(Q*PUR);
end;

procedure TForm8.Button4Click(Sender: TObject);
begin
FORM6.SHOWMODAL;

end;

end.

```

SOURCE CODE FOR SECURITY OF EMPLOYEES:

```
procedure TForm9.Button1Click(Sender: TObject);
begin
  if edit1.Text ='omar' then
  begin
    form10.Showmodal;
  end
  else
  begin
    MessageBeep(word(-1));
    showmessage('Wrong Password !"#13'Please Enter Again!');
    aa:=aa+1;
    edit1.Text:="";
    edit1.SetFocus;
    if aa=3 then
    begin
      edit1.Text:="";
      showmessage ('sorry you are not the manager"#13'The program Will Be Terminated');
      application.terminate;
    end;
  end;
end;

procedure TForm9.Button2Click(Sender: TObject);
begin
  MessageBeep(word(-1));
  a:=messagedlg('Do you want to exit from program?',mtconfirmation,[mbyes,mbno],0);

  if a=mryes then
  begin
    application.Terminate;
  end
end;

procedure TForm9.BitBtn1Click(Sender: TObject);
begin
  if edit1.Text ='omar' then
  begin
    form10.Showmodal;
    form9.Close;
  end
  else
  begin
    MessageBeep(word(-1));
    showmessage('Wrong Password !"#13'Please Enter Again!');
    aa:=aa+1;
    edit1.Text:="";
    edit1.SetFocus;
    if aa=3 then
```



```
begin
edit1.Text:="";
showmessage ('sorry you are not the manager'#13'The program Will Be Terminated');
application.terminate;
end;
end;
end;
```

```
procedure TForm9.FormCreate(Sender: TObject);
begin
EDIT1.Text:="";
end;

end.
```

SOURCE CODE FOR EMPLOYEES FORM:

```
procedure TForm10.Button2Click(Sender: TObject);
var
a,b,c,code:integer;
s:string;
gread:real;
begin
val(dbedit13.Text,a,code);
val(dbedit14.Text,b,code);
val(dbedit15.Text,c,code);
gread:=((a+b+c)/3);
if (gread>=90) then
s:='excellent';
if (gread>=85) and (gread<=89) then
s:='good';
if (gread>=75) and (gread<=84) then
s:='fair';
if (gread>=65) and (gread<=74) then
s:='poor';
if (gread<=64) then
s:='unsatisfactory';
dbedit16.Text:=s;
end;

procedure TForm10.Button3Click(Sender: TObject);
var
A,B,C,D:boolean;
begin
if radiobutton1.checked then
begin
A:=ADOTable1.Locate('EMPLOYEE_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
canvas.font.Color:=clred;
if not A=true then
showmessage('EMPLOYEE ID NOT FOUND');
edit1.setfocus;
end;

if radiobutton2.checked then
begin
b:=ADOTable1.Locate('FIRST_NAME',edit1.Text,[lopartialkey,locaseinsensitive]);
canvas.font.Color:=clred;
if not b=true then
showmessage('NAME NOT FOUND');
edit1.setfocus;
end;

if radiobutton3.checked then
begin
C:=ADOTable1.Locate('LAST_NAME',edit1.Text,[lopartialkey,locaseinsensitive]);
```

```
canvas.font.Color:=clred;
if not C=true then
showmessage('NAME NOT FOUND');
edit1.setfocus;
end;

if radiobutton4.checked then
begin

D:=ADOTable1.Locate('MOBILE_PHONE',edit1.Text,[lopartialkey,locaseinsensitive]);
canvas.font.Color:=clred;
if not D=true then
showmessage('PHONE NOT FOUND');
edit1.setfocus;
end;
end;

end.
```

SOURCE CODE FOR REPORTS SECURITY FORM:

```
procedure TForm11.Button1Click(Sender: TObject);
begin
if edit1.Text ='omar' then
begin
form15.Showmodal;
form11.Close;
end
else
begin
MessageBeep(word(-1));
showmessage('Wrong Password !'#13'Please Enter Again!');
aa:=aa+1;
edit1.Text:='';
edit1.SetFocus;
if aa=3 then
begin
edit1.Text:='';
showmessage ('sorry you are not the manager'#13'The program Will Be Terminated');
application.terminate;
end;
end;
end;

procedure TForm11.Button2Click(Sender: TObject);
begin
MessageBeep(word(-1));
a:=messagedlg('Do you want to exit from program?',mtconfirmation,[mbyes,mbno],0);
if a=mryes then
begin
application.Terminate;
end
end;

procedure TForm11.FormCreate(Sender: TObject);
begin
EDIT1.Text:='';
end;

end.
```


SOURCE CODE FOR PAYMENTS BY CREDIT FORM:

```
procedure TForm17.Button1Click(Sender: TObject);
VAR
I,T,M,STORE:REAL;
begin
I:=STRTOFLOAT(DBEDIT2.Text);
T:=STRTOFLOAT(DBEDIT4.Text);
DBEDIT3.Text:=FLOATTOSTR(T/I);
M:=STRTOFLOAT(DBEDIT3.Text);
DBEDIT5.Text:=FLOATTOSTR(T-M)
end;
```

```
procedure TForm17.Button2Click(Sender: TObject);
begin
close;
end;
```

```
procedure TForm17.Button3Click(Sender: TObject);
var
A,B,C:boolean;
begin
if radiobutton1.checked then
begin
A:=ADOtable1.Locate('PAYMENT_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
canvas.font.Color:=clred;
if not A=true then
showmessage('PAYMENT ID NOT FOUND');
edit1.setfocus;
end;

if radiobutton2.checked then
begin
b:=ADOtable1.Locate('SALE_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
canvas.font.Color:=clred;
if not b=true then
showmessage('SALE ID NOT FOUND');
edit1.setfocus;
end;
```

```
end;
```

```
end.
```

SOURCE CODE FOR REPAYMENTS FORM:

```
procedure TForm24.Button1Click(Sender: TObject);
VAR
D,M:REAL;
c:integer;
begin
D:=STRTOFLOAT(DBEDIT2.Text);
M:=STRTOFLOAT(DBEDIT5.Text);
if d>=m then
begin
DBEDIT2.Text:=FLOATTOSTR(D-M)
end
else
c:=messagedlg('there is no debit in this account',mtwarning,[mbok],0);
end;

procedure TForm24.Button3Click(Sender: TObject);
VAR
A,B:boolean;
begin
if radiobutton1.checked then
begin
A:=ADOTable1.Locate('PAYMENT_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
canvas.font.Color:=clred;
if not A=true then
showmessage('PAYMENT ID NOT FOUND');
edit1.setfocus;
end;

if radiobutton2.checked then
begin
b:=ADOTable1.Locate('SALE_ID',edit1.Text,[lopartialkey,locaseinsensitive]);
canvas.font.Color:=clred;
if not b=true then
showmessage('SALE ID NOT FOUND');
edit1.setfocus;
end;

end;

procedure TForm24.Button2Click(Sender: TObject);
begin
CLOSE;
end;

end.
```