



NEAR EAST UNIVERSITY

Faculty of Engineering

DEPARTMENT OF COMPUTER ENGINEERING

STOCK CONTROL PROGRAM

**GRADUATION PROJECT
COM 400**

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TABLE OF CONTENTS

ACKNOWLEDGEMENT.....	ii
ABSTRACT.....	iii
INTRODUCTION.....	iv
1. PASSWORD MENU.....	1
2. MAIN MENU.....	2
3. NEW RECORD PRODUCT.....	3
4. NEW RECORD PRODUCT FLOWCHART.....	4
5. RECORD PRODUCT.....	5
6. RECORD PRODUCT FLOWCHART.....	6
7. TAKE OUT PRODUCT.....	7
8. TAKE OUT PRODUCT FLOWCHART.....	8
9. STOCK LIST MENU.....	9
10. EDIT MENU.....	10
11. EXIT MENU.....	11
12. PROGRAM CODES.....	12
13. CONCLUSION.....	48
14. REFERENCES.....	49

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ABSTRACT

The stock control is an important job for companies or big firms. It is hard to keep or save the records produced by those firms. In later time two or three people working for making stock process. This means that there is more outcomes and more complexity and also more risks to lose data.

But now, there is a technological chance for such firms. This is the computer. Of course a computer cannot do any thing alone. The computer needed programs to work. This program is stock control or similar program.

What The stock control program can do?. The program mainly save the records in an order and save them. And it make easy to work with records such search a record, find , and edit it easily. The main titles for a stock control program are written below;

- Record Process
- Search Records
- Edit Records
- And list records

These are most important for a such program. A stock control program should include these.

INTRODUCTION

This stock control program can be used for firms. The purpose of this program is making work easier.

Firstly the program start with a password dialog box. This is important to prevent entry program non-authorized people. If the correct user enter the program it will start with a main menu.

The main menu is most important menu that the user can reach every thing, what he want to do with this program. These are mainly Record process, search record, edit record, enter new record, list record and print the records. The entry of the program are keep in a database file. This file is created by the Delphi programming language.

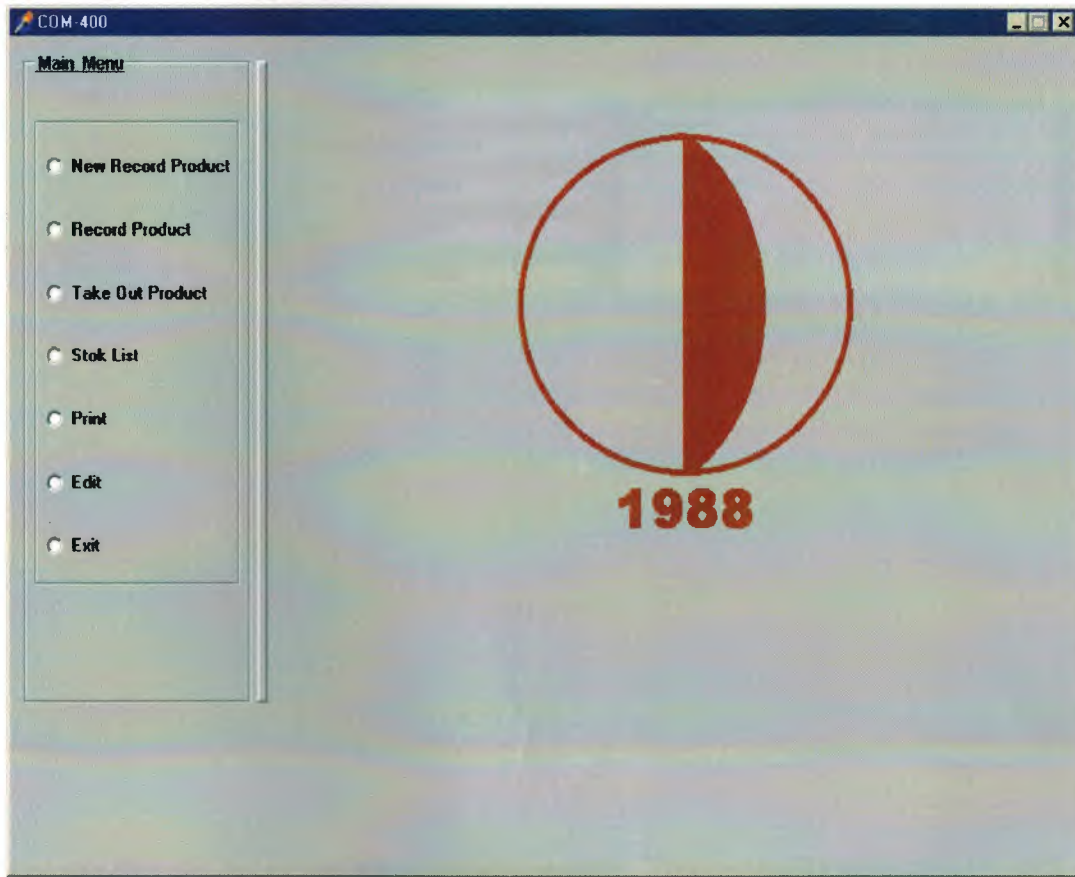
Finally the program have more accessible and flexible options to make improvement.

PASSWORD MENU



When you run the program for the first time, it is appeared password menu. This password menu prevent entry the program non authorized person.

MAIN MENU



When the user enter the correct password the program start working, and the main menu form appear.

What can you do when you see this menu?

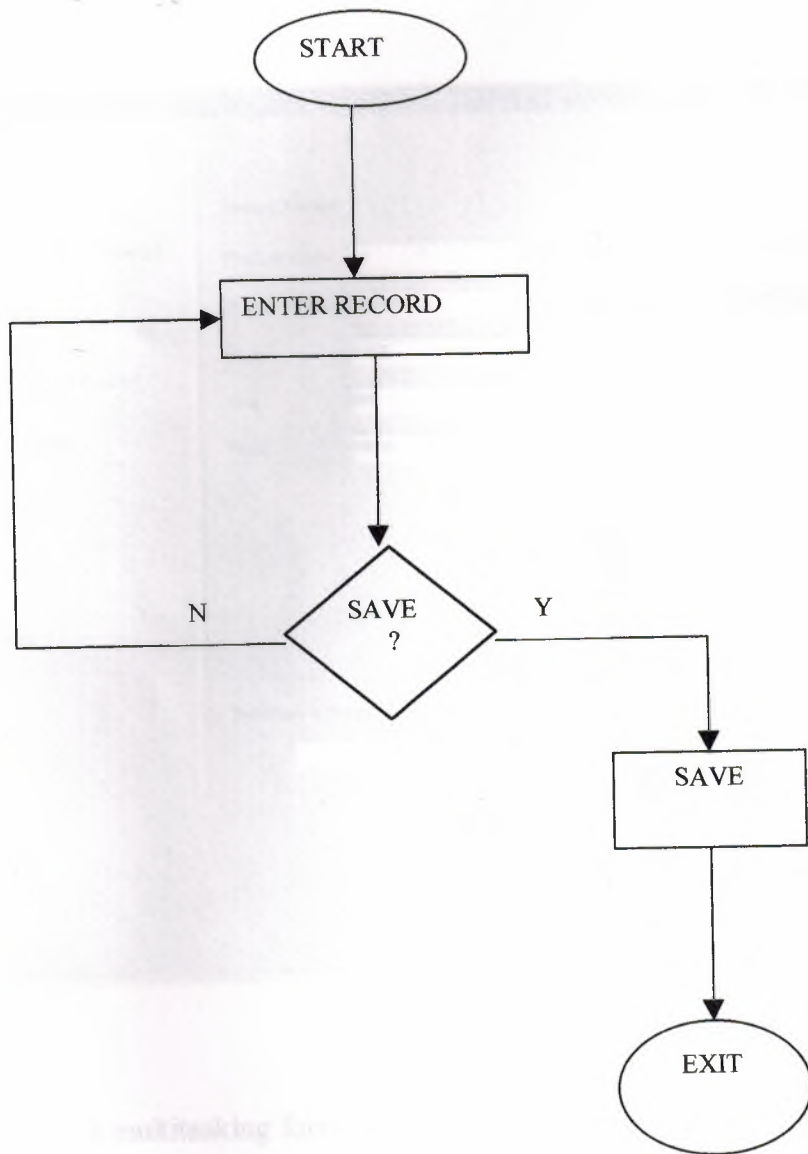
You can enter new record, add record, take out record, see list of record, edit record and print records. These are main titles, that program can do. Main menu has exit button to easily close program, and you can search a record on this menu by clicking product record button. So you can see how many record left and what is the unit price of that record and so on.

NEW RECORD PRODUCT MENU

The screenshot shows a software window titled "COM-400". On the left is a "Main Menu" with several options: "New Record Product" (selected), "Record Product", "Take Out Product", "Stok List", "Print", "Edit", and "Exit". The main area is titled "New Record Product" and contains several input fields: "Product Code" (A5), "Product Name" (KARTUS), "Place" (RAF8), "Unit" (15), and "Price" (30000). To the right of these fields is a table with three columns: "(Explanation)", "Purchased Firm", and "Price". The table has two rows: row 1 contains "england" under "(Explanation)", and row 2 is empty. At the bottom center of the window, it says "Esc : Main Menu".

Assume that you buy or you produce new product. You can easily enter this product and its information into the program database and save it. To do this click on the new entry button which is placed on the main menu. The new form will appear named new record entries.

NEW RECORD PRODUCT MENU FLOWCHART



RECORD PRODUCT MENU

COM 400

Main Menu

- New Record Product
- Record Product
- Take Out Product
- Stok List
- Print
- Edit
- Exit

Record Product

Product Code: A2

Product Name: SOUND

Place: RAF2

Unit: 500

Price: 10000

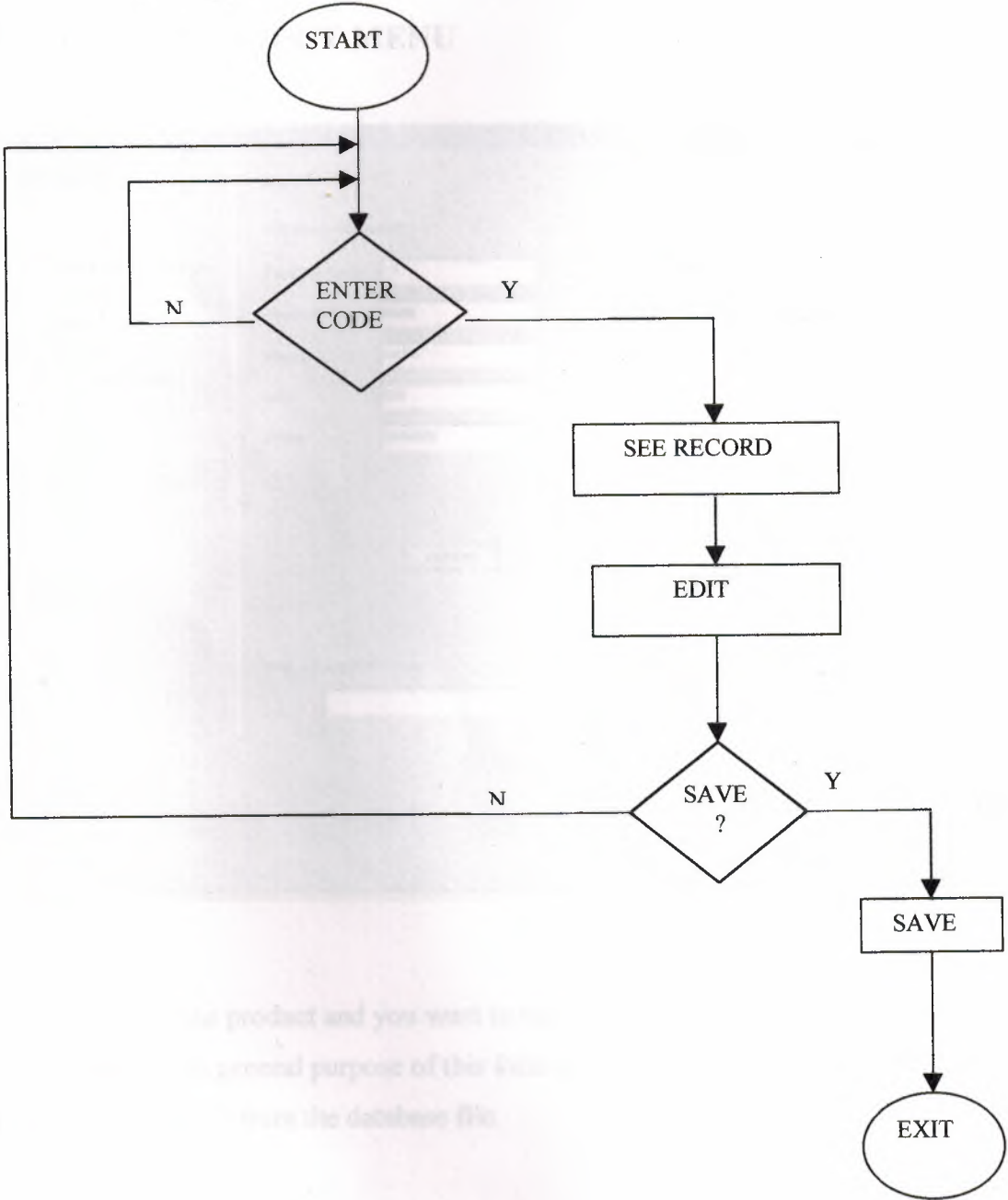
	Explanation	Purchased Firm	Price
1	ankara		
2			

Unit Record Product

Esc : Main Menu

This form is a multitasking form, you can do many think with this form. First off all you can add product which is previously save it in the program, and you can change the unit price of a product. And than you can search a record to learn whether it is exist enough number or not.

RECORD PRODUCT FLOWCHART



TAKE OUT PRODUCT MENU

COM 400

Main Menu

- New Record Product
- Record Product
- Take Out Product
- Stok List
- Print
- Edit
- Exit

Unit Record Product

Product Code: C1

Product Name: RAM

Place: RAF4

Unit: 125

Price: 5000000

	(Explanation)	Purchased Firm	Price
1	usa		
2			

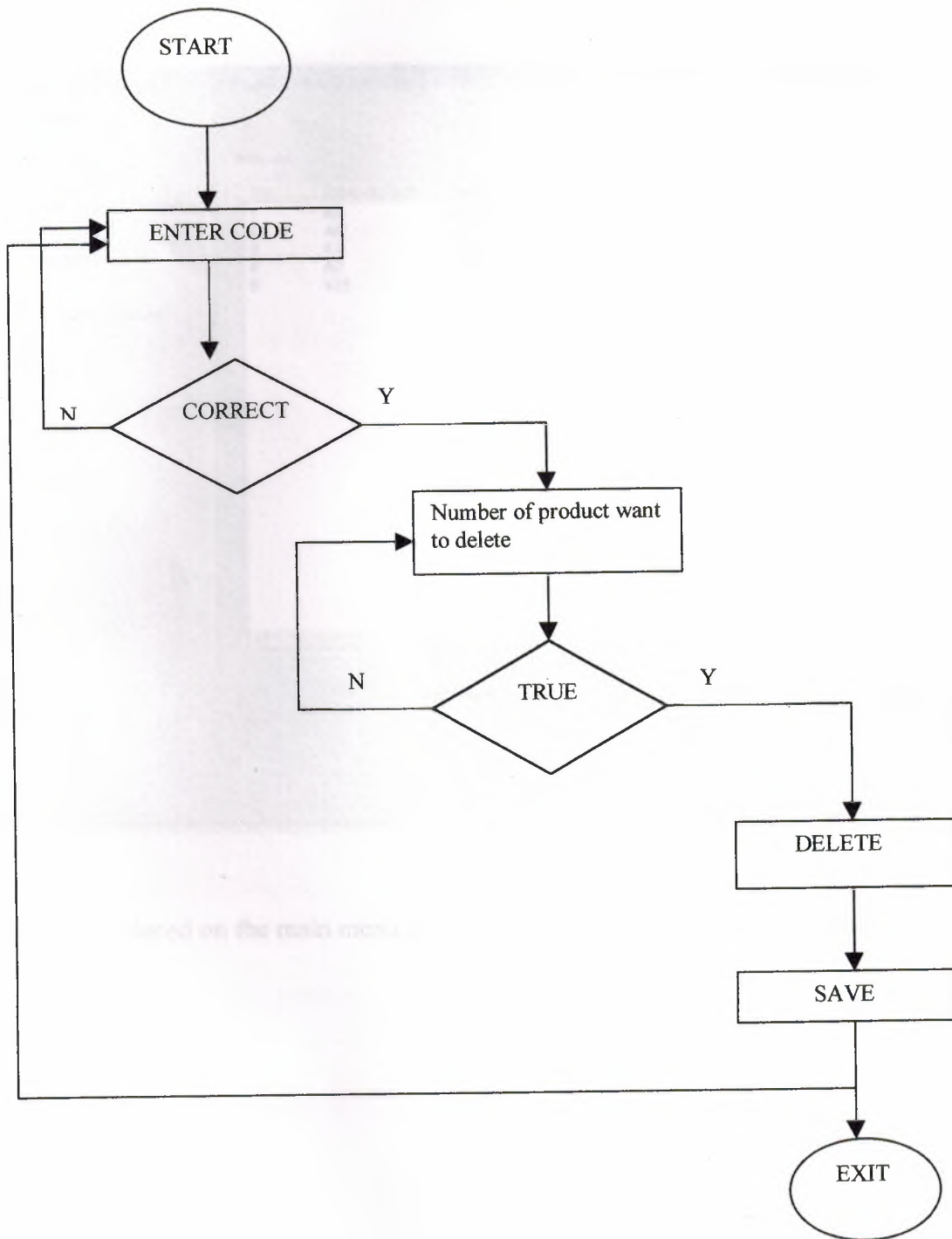
Btn1

Unit Take Out Product

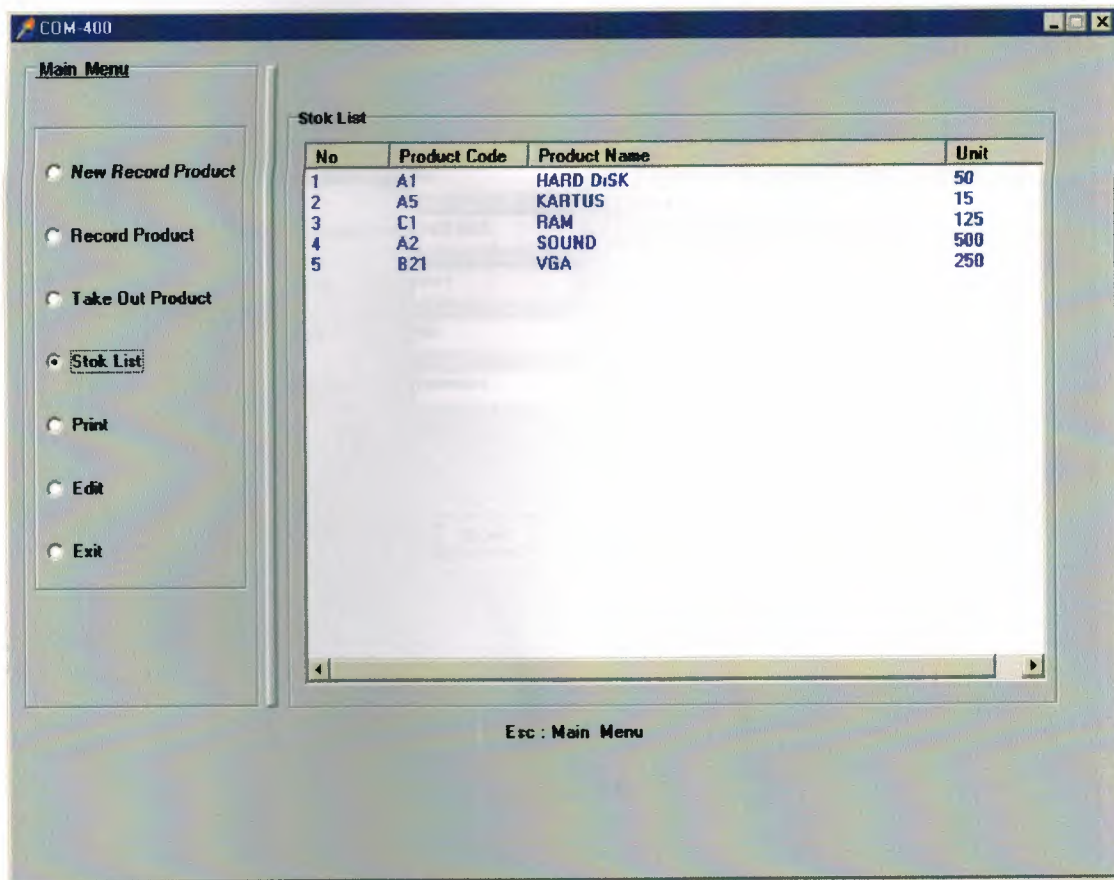
Esc : Main Menu

When you save the product and you want to take out from the database file, you have to use this form. The general purpose of this form is to delete one or more number of that product or delete all from the database file.

TAKE OUT PRODUCT MENU FLOWCHART



STOCK LIST MENU



This button placed on the main menu is a listing all the present products at that time.

EDIT MENU

COM-400

Main Menu

- New Record Product
- Record Product
- Take Out Product
- Stok List
- Print
- Edit
- Exit

Düzeltilme

Product Code: A1

Product Name: HARD DISK

Place: RAF1

Unit: 100

Price: 100000000

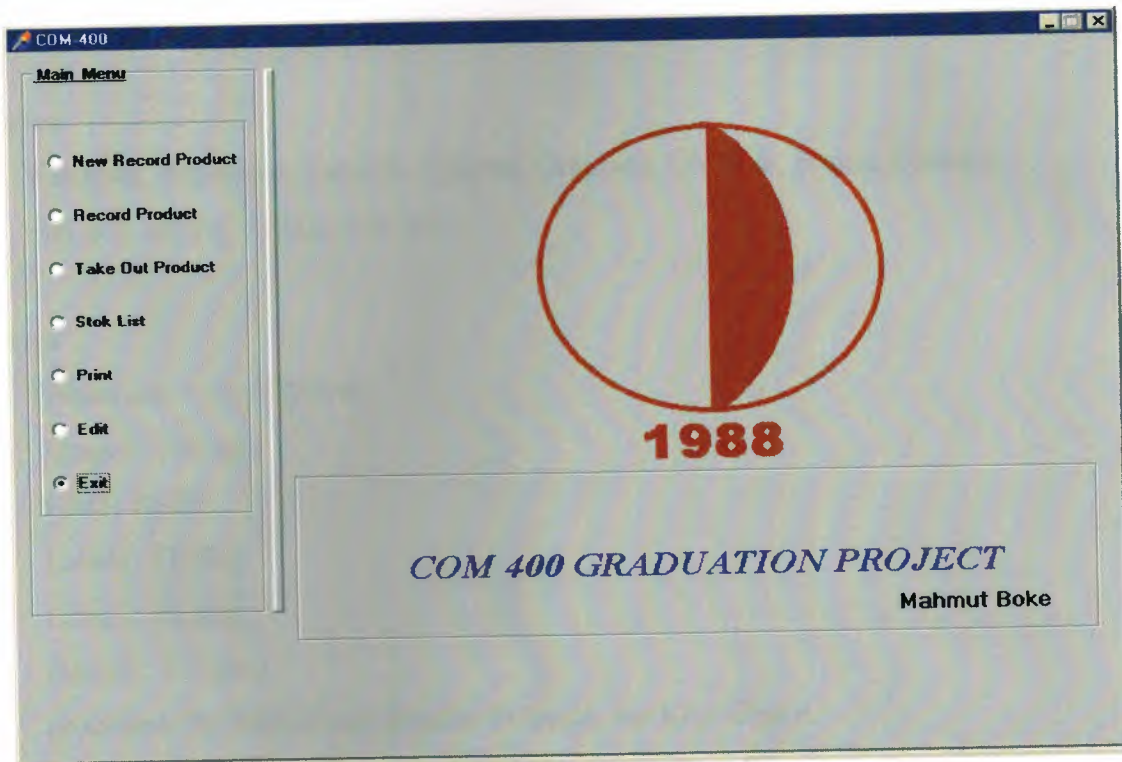
	(Explanation)	Purchased Firm	Price
1	izmir		
2			

Bütünü

Esc : Main Menu

This form is only edit the product information such as product name, place of product and etc.

EXIT MENU



When you click exit button on the main menu new form is appearing for a few second. This an animation that's give little information about the programer.

PROGRAM CODES

```
unit Sifre;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,  
ExtCtrls, MPlayer, jpeg, StdCtrls;
```

```
type
```

```
TPassword = class(TForm)
```

```
Image1: TImage;
```

```
Edit1: TEdit;
```

```
Label1: TLabel;
```

```
Label2: TLabel;
```

```
Image2: TImage;
```

```
procedure FormKeyPress(Sender: TObject; var Key: Char);
```

```
procedure Edit1KeyDown(Sender: TObject; var Key: Word;  
Shift: TShiftState);
```

```
procedure FormCreate(Sender: TObject);
```

```
procedure Edit1Change(Sender: TObject);
```

```
private
```

```
{ Private declarations }
```

```
public
```

```
{ Public declarations }
```

```
end;
```

```
var
```

```
Password: TPassword;
```

```
Say : Byte;
```

```
implementation
```

uses AnaSayfa, Lisans;

{SR *.DFM}

```
procedure TPassword.FormKeyPress(Sender: TObject; var Key: Char);
begin
  if Key=#27 then Halt;
end;
```

```
procedure TPassword.Edit1KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
begin
  if key=13 then begin
    if (CompareText(Edit1.Text,'')=0) then begin
      Hide;
      form1.Show;
      Form1.GroupBox1.Visible:=False;
      Form1.GroupBox3.Visible:=True;
    end
  end
```

```
end
```

```
else begin
```

```
  Edit1.Text:="";
```

```
  edit1.setfocus;
```

```
  Say:=Say+1;
```

```
  if Say=3 then Close;
```

```
  Label2.Caption:='Pleace Enter Valid Password...';
```

```
end;
```

```
end;
```

```
procedure TPassword.FormCreate(Sender: TObject);
```

```
begin
```

```
  Say:=0;
```

```
  Label2.Caption:="";
```

end;

procedure TPassword.Edit1Change(Sender: TObject);

begin

Label2.Caption:='';

end;

end.

```
unit AnaSayfa;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,  
Buttons, StdCtrls, Mask, ExtCtrls, ComCtrls, Grids, Printers, jpeg;
```

```
type
```

```
TUrun = record
```

```
  SiraNo : String[10];
```

```
  UrunKodu : String[15];
```

```
  UrunAdi : String[50];
```

```
  RafNo : String[10];
```

```
  Adet : String[6];
```

```
  SFiyat,SFiyat2 : String[15];
```

```
  Tarih : String[10];
```

```
  F : Char;
```

```
end;
```

```
TAlinanYerler = record
```

```
  UrunKodu : String[15];
```

```
  Yer : String[50];
```

```
  AFiyat : String[15];
```

```
  F : Char;
```

```
end;
```

```
TForm1 = class(TForm)
```

```
  GroupBox1: TGroupBox;
```

```
  Label1: TLabel;
```

```
  Edit1: TEdit;
```

```
  GroupBox2: TGroupBox;
```

```
  GroupBox3: TGroupBox;
```

```
  RadioGroup1: TRadioGroup;
```

```
  Label2: TLabel;
```

Label3: TLabel;
Label4: TLabel;
Label5: TLabel;
Label6: TLabel;
Edit2: TEdit;
Edit3: TEdit;
Edit4: TEdit;
Edit5: TEdit;
Edit6: TEdit;
GroupBox4: TGroupBox;
ListView1: TListView;
Grid1: TStringGrid;
ListView2: TListView;
Label7: TLabel;
GroupBox5: TGroupBox;
Edit7: TEdit;
GroupBox6: TGroupBox;
Edit8: TEdit;
GroupBox7: TGroupBox;
Edit9: TEdit;
Label9: TLabel;
Edit10: TEdit;
Label10: TLabel;
SpeedButton2: TSpeedButton;
GroupBox8: TGroupBox;
ListView3: TListView;
GroupBox9: TGroupBox;
ListBox1: TListBox;
ListView4: TListView;
MaskEdit1: TMaskEdit;
MaskEdit2: TMaskEdit;
Label8: TLabel;
Label11: TLabel;
Label12: TLabel;

```
Edit11: TEdit;
Label13: TLabel;
Edit12: TEdit;
Image1: TImage;
Image2: TImage;
Image3: TImage;
GroupBox10: TGroupBox;
Label15: TLabel;
Label16: TLabel;
Timer1: TTimer;
GroupBox11: TGroupBox;
Edit13: TEdit;
Label18: TLabel;
Label14: TLabel;
Label19: TLabel;
Panell: TPanel;
Image4: TImage;
Image5: TImage;
BitBtn1: TBitBtn;
procedure FormCreate(Sender: TObject);
procedure FormKeyPress(Sender: TObject; var Key: Char);
procedure RadioGroup1Click(Sender: TObject);
procedure Grid1KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
procedure Edit7KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
procedure Edit8KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
procedure FormClose(Sender: TObject; var Action: TCloseAction);
procedure SpeedButton2Click(Sender: TObject);
procedure ListBox1Click(Sender: TObject);
procedure Edit12KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
procedure Timer1Timer(Sender: TObject);
```

```

procedure Edit2KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
procedure Edit13KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
procedure MaskEdit2KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
procedure Edit13Change(Sender: TObject);
procedure GroupBox6Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  Form1: TForm1;
  FUrun,FSatis,FUT,FST : File of TUrur;
  FYerler,FYT : File of TAlinanYerler;
  Urun : TUrur;
  Yerler : TAlinanYerler;
  DolarKuru : LongInt;
  SterlinKuru : LongInt;
  Items : TListItem;
  Columns : TListColumn;
  Status : Array[1..10] of Boolean;
  KayitDurumu : String[10];
  IsTiming,IsTiming02 : Boolean;
  Counter : Integer;
  tempUrunler : Array[1..40000] of TUrur;
  EskiUrunKodu : String[10];
  DuzeltmeSonu : Boolean;
  { Status
    1 : IsGidIMoving
  }

```

implementation

uses Sifre;

{SR *.DFM}

```
procedure FileToTemp;
var
  i : Integer;
begin
  AssignFile(FUT,'TempUrunler.wwa');
  ReWrite(FUT);
  for i:=0 to FileSize(FUrun)-1 do begin
    Seek(FUrun,i);
    Read(FUrun,Urun);
    Seek(FUT,FileSize(FUT));
    Write(FUT,Urun);
  end;
  CloseFile(FUT);

  AssignFile(FST,'TempSatis.wwa');
  ReWrite(FST);
  for i:=0 to FileSize(FSatis)-1 do begin
    Seek(FSatis,i);
    Read(FSatis,Urun);
    Seek(FST,FileSize(FST));
    Write(FST,Urun);
  end;
  CloseFile(FST);

  AssignFile(FST,'TempSatis.wwa');
  ReWrite(FST);
  for i:=0 to FileSize(FSatis)-1 do begin
    Seek(FSatis,i);
```



```

Read(FSatis,Urun);
Seek(FST,FileSize(FST));
Write(FST,Urun);
end;
CloseFile(FST);

AssignFile(FYT,'TempYerler.wwa');
ReWrite(FYT);
for i:=0 to FileSize(FYerler)-1 do begin
  Seek(FYerler,i);
  Read(FYerler,Yerler);
  Seek(FYT,FileSize(FYT));
  Write(FYT,Yerler);
end;
CloseFile(FYT);
end;

procedure TempToFile;
var
  i : Integer;
begin
  ReWrite(FUrun);
  AssignFile(FUT,'TempUrunler.wwa');
  {$i-}Reset(FUT);{$i+}
  if IOResult<>0 then ReWrite(FUT);
  for i:=0 to FileSize(FUT)-1 do begin
    Seek(FUT,i);
    Read(FUT,Urun);
    Seek(FUrun,FileSize(FUrun));
    Write(FUrun,Urun);
  end;
  CloseFile(FUT);

  ReWrite(FSatis);

```

```

AssignFile(FST,'TempSatis.wwa');
{$i-}Reset(FST);{$i+}
if IOResult<>0 then ReWrite(FST);
for i:=0 to FileSize(FST)-1 do begin
  Seek(FST,i);
  Read(FST,Urun);
  Seek(FSatis,FileSize(FSatis));
  Write(FSatis,Urun);
end;
CloseFile(FST);

ReWrite(FYerler);
AssignFile(FYT,'TempYerler.wwa');
{$i-}Reset(FYT);{$i+}
if IOResult<>0 then ReWrite(FYT);
for i:=0 to FileSize(FYT)-1 do begin
  Seek(FYT,i);
  Read(FYT,Yerler);
  Seek(FYerler,FileSize(FYerler));
  Write(FYerler,Yerler);
end;
CloseFile(FYT);

end;

```

```

procedure sortByName;
var
  i,j : Integer;
  flag : Boolean;
  tempUrun : TUrun;
  FSize : Integer;
begin
  with Form1 do begin

```

```

for i:=0 to FileSize(FUrun)-1 do begin
  Seek(FUrun,i);
  Read(FUrun,tempUrunler[i+1]);
end;
flag:=False;
while flag=False do begin
  flag:=True;
  for i:=1 to FileSize(FUrun)-1 do begin
    if tempUrunler[i].UrunAdi>tempUrunler[i+1].UrunAdi then begin
      flag:=false;
      tempUrun:=tempUrunler[i];
      tempUrunler[i]:=tempUrunler[i+1];
      tempUrunler[i+1]:=tempUrun;
    end;
  end;
end;
FSize:=FileSize(FUrun);
ReWrite(FUrun);
j:=0;
for i:=1 to FSize do begin
  Seek(FUrun,FileSize(FUrun));
  if tempUrunler[i].F='*' then j:=j+1;
  tempUrunler[i].SiraNo:=IntToStr(j);
  Write(FUrun,tempUrunler[i]);
end;
end;
end;

procedure kodduzenle;
var
  i : Integer;
  liste : array[1..10000] of String[40];
  temp : string[40];
  founded : Boolean;

```

```

begin
with form1 do begin
  for i:=0 to FileSize(FUrun)-1 do begin
    Seek(FUrun,i);
    Read(FUrun,Urun);
    liste[i+1]:=Urun.UrunAdi;
  end;
  founded:=false;
  while not founded do begin
    founded:=True;
    for i:=1 to FileSize(FUrun)-1 do begin
      if liste[i]>liste[i+1] then begin
        temp:=liste[i];
        liste[i]:=liste[i+1];
        liste[i+1]:=temp;
        founded:=false;
      end;
    end;
  end;
  end;
  for i:=0 to FileSize(FUrun)-1 do begin
    Seek(FUrun,i);
    Read(FUrun,Urun);
    Urun.UrunAdi:=Liste[i+1];
    Seek(FUrun,i);
    Write(FUrun,Urun);
  end;
end;
end;
procedure printing;
var
  i,N : Integer;
  xfark,yfark : Integer;
begin
  N:=60; xfark:=10; yfark:=180;

```

```

with form1 do begin
  for i:=0 to FileSize(FUrun)-1 do begin
    Seek(FUrun,i);
    Read(FUrun,Urun);
    if i mod N=0 then begin
      Printer.BeginDoc;
      Printer.Canvas.Font.Style:=Printer.Canvas.Font.Style+[fsbold];
      Printer.Canvas.Font.Size:=16;
      Printer.Canvas.TextOut(xfark+1000,yfark-80,'STOK LIST ');
      Printer.Canvas.Font.Size:=13;
      Printer.Canvas.TextOut(xfark+2000,yfark-100,DateToStr(Now));
      Printer.Canvas.TextOut(xfark+100-20 ,yfark+40,'No');
      Printer.Canvas.TextOut(xfark+450-20 ,yfark+40,'Product Code');
      Printer.Canvas.TextOut(xfark+1050-20,yfark+40,'Product Name');
      Printer.Canvas.TextOut(xfark+1850-20,yfark+40,'Unit');
      Printer.Canvas.Font.Style:=Printer.Canvas.Font.Style-[fsbold];
      Printer.Canvas.Font.Size:=11;
    end;
    Printer.Canvas.TextOut(xfark+100 ,(i mod N)*45+yfark+100,Urun.SiraNo);
    Printer.Canvas.TextOut(xfark+450 ,(i mod N)*45+yfark+100,Urun.UrunKodu);
    Printer.Canvas.TextOut(xfark+1050,(i mod N)*45+yfark+100,Urun.UrunAdi);
    Printer.Canvas.TextOut(xfark+1850,(i mod N)*45+yfark+100,Urun.Adet);
    if (i mod N=N-1)or(i=FileSize(FUrun)-1) then begin
      Printer.EndDoc;
    end;
  end;
end;

procedure DeleteFromYerler;
var
  i : Integer;
  FTYerler : File of TAlinanYerler;
  TYerler : TAlinanYerler;

```

```

begin
AssignFile(FtYerler,'TempYerler.wwa');
ReWrite(FtYerler);
for i:=0 to FileSize(FYerler)-1 do begin
    Seek(FYerler,i);
    Read(FYerler,TYerler);
    if form1.Edit2.Text<>TYerler.UrunKodu then begin
        Seek(FtYerler,FileSize(FtYerler));
        Write(FtYerler,TYerler);
    end;
end;
ReWrite(FYerler);
for i:=0 to FileSize(FtYerler)-1 do begin
    Seek(FtYerler,i);
    Read(FtYerler,TYerler);
    Seek(FYerler,FileSize(FYerler));
    Write(FYerler,TYerler);
end;
CloseFile(FtYerler);
end;

```

```

procedure FillListView;
var
    i,j : Integer;
begin
    with Form1 do begin
        ListView1.Items.Clear;
        ListView1.Columns.Clear;
        Columns:=ListView1.Columns.Add;
        Columns.Caption:='No';
        Columns.Width:=60;
        Columns:=ListView1.Columns.Add;
        Columns.Caption:='Product Code';
        Columns.Width:=100;
    end;
end;

```

```

Columns:=ListView1.Columns.Add;
Columns.Caption:='Product Name';
Columns.Width:=300;
Columns:=ListView1.Columns.Add;
Columns.Caption:='Unit';
Columns.Width:=90;
for i:=0 to FileSize(FUrun)-1 do begin
  Seek(FUrun,i);
  Read(FUrun,Urun);
  if Urun.F='*' then begin
    Items:=ListView1.Items.Add;
    Items.Caption:=Urun.SiraNo;
    Items.SubItems.Add(Urun.UrunKodu);
    Items.SubItems.Add(Urun.UrunAdi);
    Items.SubItems.Add(Urun.Adet);
  end;
end;
end;
end;
end;
procedure InitialValues;
var
  i : Integer;
begin
  with Form1 do begin
    Edit1.Text:="";
    Edit2.Text:="";
    Edit3.Text:="";
    Edit4.Text:="";
    Edit5.Text:="";
    Edit6.Text:="";
    Edit7.Text:="";
    Edit8.Text:="";
    Edit9.Text:="";
    Edit10.Text:="";
  end;
end;

```

```
Edit11.Text:="";
Edit12.Text:="";
Edit13.Text:="";
for i:=1 to Grid1.RowCount-1 do begin
  Grid1.Rows[i].Clear;
end;
Grid1.RowCount:=2;
Grid1.Col:=1;
Grid1.Cells[0,1]:='1';
end;
end;
```

```
procedure AllInVisible;
begin
  with Form1 do begin
    GroupBox1.Visible:=False;
    GroupBox2.Visible:=False;
    GroupBox4.Visible:=False;
    GroupBox5.Visible:=False;
    GroupBox6.Visible:=False;
    GroupBox7.Visible:=False;
    GroupBox8.Visible:=False;
    GroupBox9.Visible:=False;
    GroupBox10.Visible:=False;
    GroupBox11.Visible:=False;
  end;
end;
```

```
function StringWithFormat(S : String) : String;
begin
  if length(s)>9 then begin
    insert('.',s,length(s)-2);
    insert('.',s,length(s)-6);
    insert('.',s,length(s)-10);
```



```

end
else if length(s)>6 then begin
  insert('.',s,length(s)-2);
  insert('.',s,length(s)-6);
end
else if Length(s)>3 then begin
  insert('.',s,length(s)-2);
end;
Result:=S;
end;

function StringWithUnFormat(S : String) : String;
var
  i : Integer;
  St : String;
begin
  St:="";
  for i:=1 to Length(S) do begin
    if S[i]<>'.' then begin
      St:=St+S[i];
    end;
  end;
  Result:=St;
end;

procedure TForm1.FormCreate(Sender: TObject);
begin
  Top:=10; Left:=10;
  AssignFile(FUrun,'Urunler.wwa');
  {$i-}Reset(FUrun);{$i+}
  if IOResult<>0 then ReWrite(FUrun);
  AssignFile(FSatis,'SasilanUrunler.wwa');
  {$i-}Reset(FSatis);{$i+}
  if IOResult<>0 then ReWrite(FSatis);

```

```

AssignFile(FYerler,'AlinanYerler.wwa');
{$i-}Reset(FYerler);{$i+}
if IOResult<>0 then ReWrite(FYerler);
AllInVisible;
GroupBox1.Visible:=True;
InitialValues;
GroupBox3.Top:=10; GroupBox3.Left:=10;
GroupBox4.Top:=45; GroupBox4.Left:=200;
GroupBox9.Top:=100; GroupBox9.Left:=10;
GroupBox1.Top:=80; GroupBox1.Left:=200;
image3.Top:=200;
Grid1.ColWidths[0]:=20;
Grid1.ColWidths[1]:=200;
Grid1.ColWidths[2]:=80;
Grid1.RowHeights[0]:=17;
Grid1.RowHeights[1]:=17;
Grid1.Cells[1,0]:=' (Explanation) Purchased Firm';
Grid1.Cells[2,0]:=' Price';
Grid1.Cells[0,1]:='1';
Counter:=0;
TempToFile;
end;

procedure TForm1.FormKeyPress(Sender: TObject; var Key: Char);
begin
  if not Status[1] then begin
    if Key=#13 then begin
      Key:=#0;
      PostMessage(Handle,WM_KEYDOWN,09,0);
    end;
  end;
  Status[1]:=False;
  if Key=#27 then begin
    if (DuzeltmeSonu)and(GroupBox2.Visible) then begin

```

```

    Showmessage('Henüz Kaydedilmedi!');
end
else begin
    AllInVisible;
    image3.Visible:=True;
    SpeedButton2.Visible:=False;
    GroupBox3.Visible:=True;
    RadioGroup1.ItemIndex:=-1;
    Label7.Visible:=False;
    Edit2.Enabled:=True;
    Edit3.Enabled:=True;
    Edit4.Enabled:=True;
    Edit5.Enabled:=True;
    Edit6.Enabled:=True;
    Edit11.Enabled:=True;
    Grid1.Enabled:=True;
    Label6.Visible:=True;
    Label12.Visible:=True;
    Edit6.Visible:=True;
    Edit11.Visible:=True;
    Label12.Top:=192;
    Edit11.Top:=192;
end;
end;
end;

```

```

procedure TForm1.RadioGroup1Click(Sender: TObject);
begin
    if RadioGroup1.ItemIndex=0 then begin
        AllInVisible;
        GroupBox2.Visible:=True;
        InitialValues;
        Edit2.SetFocus;
        Label7.Visible:=True;
    end;
end;

```

```

KayitDurumu:='Yeni';
GroupBox2.Caption:='New Record Product';
Image3.Visible:=False;
end
else if RadioGroup1.ItemIndex=1 then begin
  AllInVisible;
  GroupBox5.Visible:=True;
  InitialValues;
  Edit7.SetFocus;
  Label7.Visible:=True;
  KayitDurumu:='Giriş';
  SpeedButton2.Visible:=True;
  Image3.Visible:=False;
  BitBtn1.Visible:=false;
end
else if RadioGroup1.ItemIndex=2 then begin
  AllInVisible;
  GroupBox5.Visible:=True;
  InitialValues;
  Edit7.SetFocus;
  Label7.Visible:=True;
  KayitDurumu:='Çıkış';
  SpeedButton2.Visible:=True;
  Image3.Visible:=False;
  BitBtn1.Visible:=true;
end
else if RadioGroup1.ItemIndex=3 then begin
  AllInVisible;
  GroupBox4.Visible:=True;
  InitialValues;
  sortByName;
  FillListView;
  Label7.Visible:=True;
  Image3.Visible:=False;

```

```

end
else if RadioGroup1.ItemIndex=4 then begin
    if MessageDlg('Are you sure?',mtConfirmation,[mbYes,mbNo],0)=mrYes then begin
        Printing;
    end
    else begin
        RadioGroup1.ItemIndex:=-1;
    end;
end
else if RadioGroup1.ItemIndex=5 then begin
    AllInVisible;
    GroupBox5.Visible:=True;
    InitialValues;
    Edit7.SetFocus;
    Label7.Visible:=True;
    SpeedButton2.Visible:=True;
    KayitDurumu:='Düzeltilme';
    Image3.Visible:=False;
end
{ else if RadioGroup1.ItemIndex=6 then begin
    AllInVisible;
    GroupBox1.Visible:=True;
    Edit1.SetFocus;
    InitialValues;
    sortByName;
    FillListView;
    Label7.Visible:=True;
    Image3.Visible:=False;
end}
else if RadioGroup1.ItemIndex=6 then begin
    IsTiming:=True;
end;
end;

```

```

procedure TForm1.Grid1KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
var
  i : Integer;
  founded : Boolean;
  foundedindex : Integer;
  st : String;
begin
  if Key=13 then begin
    if (Grid1.Cells[1,Grid1.Row]<>"")and(Grid1.Row=Grid1.RowCount-1) then begin
      Status[1]:=True;
      if Grid1.Col=1 then begin
        Grid1.Col:=2;
      end
    else if (Grid1.Col=2) then begin
      Grid1.RowCount:=Grid1.RowCount+1;
      Grid1.Row:=Grid1.Row+1;
      Grid1.RowHeights[Grid1.Row]:=17;
      Grid1.Cells[0,Grid1.Row]:=IntToStr(Grid1.Row);
      Grid1.Col:=1;
    end;
  end
  else begin
    {-----Kaydet-----}
    St:='Do You Want Save Information?';
    if MessageDlg(St,mtConfirmation,[mbYes,mbNo],0)=mrYes then begin
      founded:=False; foundedindex:=-1;
      for i:=0 to FileSize(FUrun)-1 do begin
        Seek(FUrun,i);
        Read(FUrun,Urun);
        if CompareText(Urun.UrunKodu,Edit2.Text)=0 then begin
          founded:=true;
          foundedindex:=i;
        end;
      end;
    end;
  end;
end;

```

```

end;
end;
Urun.SiraNo:=IntToStr(FileSize(FUrun)+1);
Urun.UrunKodu:=Edit2.Text;
Urun.UrunAdi:=Edit3.Text;
Urun.RafNo:=Edit4.Text;
Urun.Adet:=Edit5.Text;
Urun.SFiyat:=Edit6.Text;
Urun.SFiyat2:=Edit11.Text;
Urun.Tarih:=DateToStr(Now);
Urun.F:='*';
if not founded then begin
    Seek(FUrun,FileSize(FUrun));
end
else begin
    DuzeltmeSonu:=False;
    Seek(FUrun,foundedindex);
end;
Write(FUrun,Urun);
if KayitDurumu='Düzeltilme' then begin
    for i:=0 to FileSize(FSatis)-1 do begin
        Seek(FSatis,i);
        Read(FSatis,Urun);
        if Urun.UrunKodu=EskiUrunKodu then begin
            Urun.UrunKodu:=Edit2.Text;
            Urun.UrunAdi:=Edit3.Text;
            Urun.RafNo:=Edit4.Text;
            Urun.SFiyat:=Edit6.Text;
            Urun.SFiyat2:=Edit11.Text;
            Seek(FSatis,i);
            Write(FSatis,Urun);
        end;
    end;
end;
end;
end;

```

```

DeleteFromYerler;
for i:=1 to Grid1.RowCount-1 do begin
  Yerler.UrunKodu:=Edit2.Text;
  Yerler.Yer:=Grid1.Cells[1,i];
  Yerler.AFiyat:=Grid1.Cells[2,i];
  Yerler.F:='*';
  if Grid1.Cells[1,i]<>" then begin
    Seek(FYerler,FileSize(FYerler));
    Write(FYerler,Yerler);
  end;
  Grid1.Rows[i].Clear;
end;
SortByName;
Grid1.RowCount:=2;
InitialValues;
if (KayitDurumu='Giriş')or(KayitDurumu='Çıkış')or(KayitDurumu='Düzeltilme')
then begin
  AllInvisible;
  InitialValues;
  GroupBox3.Visible:=True;
  RadioGroup1.ItemIndex:=-1;
  Image3.Visible:=True;
  Label7.Visible:=False;
end;
end
else begin
  InitialValues;
  Edit2.SetFocus;
end;
FileToTemp;
end;
end;
end;

```



```

procedure TForm1.Edit7KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
var
  i : Integer;
  founded : Boolean;
begin
  if Key=13 then begin
    AllInVisible;
    GroupBox2.Visible:=True;
    SpeedButton2.Visible:=false;
    EskiUrunKodu:=Edit7.Text;
    if Kayitdurumu<>'Düzelme' then begin
      if KayitDurumu='Giriş' then begin
        GroupBox2.Caption:='Record Product';
        GroupBox6.Caption:='Unit Record Product';
      end;
      if KayitDurumu='Çıkış' then begin
        GroupBox2.Caption:='Unit Record Product';
        GroupBox6.Caption:='Unit Take Out Product';
        Grid1.Enabled:=False;
      end;
      Edit2.Enabled:=False;
      Edit3.Enabled:=False;
      Edit4.Enabled:=False;
      Edit5.Enabled:=False;
      Edit6.Enabled:=False;
      Edit11.Enabled:=False;
      Grid1.Enabled:=False;
      DuzeltmeSonu:=False;
    end
  else begin
    GroupBox2.Caption:='Düzelme';
    DuzeltmeSonu:=True;
  end;
end;

```

```

founded:=false;
i:=0;
while (i<FileSize(FUrun))and(not founded) do begin
  Seek(FUrun,i);
  Read(FUrun,Urun);
  if (CompareText(Edit7.Text,Urun.UrunKodu)=0)and(Urun.F='*') then begin
    Edit2.Text:=Urun.UrunKodu;
    Edit3.Text:=Urun.UrunAdi;
    Edit4.Text:=Urun.RafNo;
    Edit5.Text:=Urun.Adet;
    Edit6.Text:=Urun.SFiyat;
    Edit11.Text:=Urun.SFiyat2;
    if Edit6.Text="" then begin
      Label6.Visible:=False;
      Edit6.Visible:=False;
      Label12.Top:=Label6.Top;
      Edit11.Top:=Edit6.Top;
    end;
    if Edit11.Text="" then begin
      Label12.Visible:=False;
      Edit11.Visible:=False;
    end;
    if KayitDurumu='Düzeltilme' then Urun.F:=' ';
    founded:=true;
    Seek(FUrun,i);
    Write(FUrun,Urun);
  end;
  i:=i+1;
end;
if founded then begin
  Grid1.Row:=1; Grid1.RowCount:=2;
  for i:=0 to FileSize(FYerler)-1 do begin
    Seek(FYerler,i);
    Read(FYerler,Yerler);
  end;
end;

```

```

if Yerler.UrunKodu=Edit2.Text then begin
    Grid1.Cells[0,Grid1.Row]:=IntToStr(Grid1.Row);
    Grid1.Cells[1,Grid1.Row]:=Yerler.Yer;
    Grid1.Cells[2,Grid1.Row]:=Yerler.AFiyat;
    Grid1.RowCount:=Grid1.RowCount+1;
    Grid1.Row:=Grid1.Row+1;
    Grid1.RowHeights[Grid1.Row]:=17;
end;
Grid1.Cells[0,Grid1.Row]:=IntToStr(Grid1.Row);
end;
end
else begin
    ShowMessage('This Product not Record...');
    AllInvisible;
    GroupBox5.Visible:=True;
    Edit7.SetFocus;
end;
if founded then begin
    if (StrToInt(Urun.Adet)>0)or(KayitDurumu='Giriş') then begin
        if KayitDurumu<>'Düzeltilme' then begin
            GroupBox6.Visible:=True;
            Edit8.SetFocus;
        end;
    end
else if StrToInt(Urun.Adet)=0 then begin
    MessageDlg('This Product not Found.',mtWarning,[mbOk],0);
    if KayitDurumu<>'Düzeltilme' then begin
        AllInvisible;
        InitialValues;
        GroupBox3.Visible:=True;
        RadioGroup1.ItemIndex:=-1;
    end;
end;
end;
end;

```

end;

end;

procedure TForm1.Edit8KeyDown(Sender: TObject; var Key: Word;

Shift: TShiftState);

var

i : Integer;

founded : Boolean;

begin

if Key=13 then begin

if MessageDlg('Are you sure?',mtConfirmation,[mbYes,mbNo],0)=mrYes then begin

GroupBox6.Visible:=False;

if KayitDurumu<>'Çıkış' then begin

Grid1.Enabled:=True;

Grid1.SetFocus;

end;

i:=0; founded:=False;

while (not founded)and(i<FileSize(FUrun))do begin

Seek(FUrun,i);

Read(FUrun,Urun);

if CompareText(Urun.UrunKodu,Edit2.Text)=0 then begin

if StrToInt(Urun.Adet)-StrToInt(Edit8.Text)>0 then begin

if (StrToInt(Urun.Adet)>0)and(StrToInt(Urun.Adet)<=1)then MessageDlg('This Product is Low.',mtWarning,[mbOk],0);

end;

if (StrToInt(Urun.Adet)=0)then begin

MessageDlg('This Product not Fond...',mtWarning,[mbOk],0);

end

else begin

if KayitDurumu='Giriş' then begin

Urun.Adet:=IntToStr(StrToInt(Urun.Adet)+StrToInt(Edit8.Text));

end;

if KayitDurumu='Çıkış' then begin

GroupBox7.Visible:=True;

```
Urun.Adet:=IntToStr(StrToInt(Urun.Adet)-StrToInt(Edit8.Text));  
if Edit6.Text<>" then begin  
    Label10.Caption:='$';
```

```
Edit9.Text:=StringWithFormat(FloatToStr(DolarKuru*StrToFloat(Edit6.Text)*StrToFloat(Edit8.Text)));
```

```
Edit10.Text:=StringWithFormat(FloatToStr(StrToFloat(Edit6.Text)*StrToFloat(Edit8.Text)));
```

```
end
```

```
else begin
```

```
    Label10.Caption:='£';
```

```
Edit9.Text:=StringWithFormat(FloatToStr(SterlinKuru*StrToFloat(Edit11.Text)*StrToFloat(Edit8.Text)));
```

```
Edit10.Text:=StringWithFormat(FloatToStr(StrToFloat(Edit11.Text)*StrToFloat(Edit8.Text)));
```

```
end;
```

```
end;
```

```
if (StrToInt(Urun.Adet)>0)and(StrToInt(Urun.Adet)<=3)then MessageDlg('This Product is Low...',mtWarning,[mbOk],0);
```

```
if (StrToInt(Urun.Adet)=0)then MessageDlg('This Product in not Remaining.',mtWarning,[mbOk],0);
```

```
if StrToInt(Urun.Adet)>=0 then begin
```

```
    Seek(FUrun,i);
```

```
    Write(FUrun,Urun);
```

```
    Edit5.Text:=Urun.Adet;
```

```
    if KayitDurumu='Çıkış' then begin
```

```
        Urun.Adet:=Edit8.Text;
```

```
        Urun.Tarih:=DateToStr(now);
```

```
        Seek(FSatis,FileSize(FSatis));
```

```
        Write(FSatis,Urun);
```

```
        Urun.Adet:=Edit5.Text;
```

```

    end;
end
else begin
    MessageDlg("This Product not Request in Stok!",mtWarning,[mbOk],0);
    AllInVisible;
    GroupBox3.Visible:=True;
    RadioGroup1.ItemIndex:=-1;
end;
founded:=true;
end;
end;
i:=i+1;
end;
end
else begin
    AllInVisible;
    InitialValues;
    GroupBox3.Visible:=True;
    RadioGroup1.ItemIndex:=-1;
end;
FileToTemp;
end;
end;

```

```

procedure TForm1.FormClose(Sender: TObject; var Action: TCloseAction);

```

```

begin

```

```

    CloseFile(FUrun);

```

```

    CloseFile(FYerler);

```

```

    CloseFile(FSatis);

```

```

    IsTiming:=True;

```

```

    Password.Close;

```

```

end;

```

```

procedure TForm1.SpeedButton2Click(Sender: TObject);

```

```

var
  i,j : Integer;
begin
  GroupBox8.Visible:=not GroupBox8.Visible;
  ListView3.Items.Clear;
  ListView3.Columns.Clear;
  Columns:=ListView3.Columns.Add;
  Columns.Caption:='No';
  Columns.Width:=60;
  Columns:=ListView3.Columns.Add;
  Columns.Caption:='Product Code';
  Columns.Width:=100;
  Columns:=ListView3.Columns.Add;
  Columns.Caption:='Product Name';
  Columns.Width:=250;
  Columns:=ListView3.Columns.Add;
  Columns.Caption:='Unit';
  Columns.Width:=90;
  j:=0;
  for i:=0 to FileSize(FUrun)-1 do begin
    Seek(FUrun,i);
    Read(FUrun,Urun);
    Urun.SiraNo:=IntToStr(i+1);
    Seek(FUrun,i);
    Write(FUrun,Urun);
    if Urun.F='*' then begin
      j:=j+1;
      Items:=ListView3.Items.Add;
      Items.Caption:=IntToStr(j);
      Items.SubItems.Add(Urun.UrunKodu);
      Items.SubItems.Add(Urun.UrunAdi);
      Items.SubItems.Add(Urun.Adet);
    end;
  end;
end;

```

end;

procedure TForm1.ListBox1Click(Sender: TObject);

var

i : Integer;

begin

ListView4.Items.Clear;

ListView4.Columns.Clear;

Columns:=ListView4.Columns.Add;

Columns.Caption:='Ürün Kodu';

Columns.Width:=80;

Columns:=ListView4.Columns.Add;

Columns.Caption:='Ürün Adı';

Columns.Width:=210;

Columns:=ListView4.Columns.Add;

Columns.Caption:='Adet';

Columns.Width:=60;

for i:=0 to FileSize(FSatis)-1 do begin

Seek(FSatis,i);

Read(FSatis,Urun);

if (Urun.F='*')and(Urun.Tarih=ListBox1.Items[ListBox1.ItemIndex]) then begin

Items:=ListView4.Items.Add;

Items.Caption:=Urun.UrunKodu;

Items.SubItems.Add(Urun.UrunAdi);

Items.SubItems.Add(Urun.Adet);

end;

end;

end;

procedure TForm1.Edit12KeyDown(Sender: TObject; var Key: Word;

Shift: TShiftState);

begin

if Key=13 then begin

try


```

DolarKuru:=StrToInt(StringWithUnFormat(Edit1.Text));
SterlinKuru:=StrToInt(StringWithUnFormat(Edit12.Text));
AllInVisible;
GroupBox3.Visible:=True;
image3.Top:=300;
Label14.Visible:=True;
Label19.Visible:=True;
Label14.Caption:='Dolar....: '+Edit1.Text;
Label19.Caption:='Sterlin..: '+Edit12.Text;
except
on EConvertError do begin
  ShowMessage('Geçersiz Değerler Girildi!!');
  Edit1.Text:='';
  Edit12.Text:='';
end;
end;
end;
end;

procedure TForm1.Timer1Timer(Sender: TObject);
begin
  if IsTiming then begin
    AllInVisible;
    Image1.Visible:=False;
    Image2.Visible:=False;
    Image3.Visible:=False;
    GroupBox10.Visible:=True;
    Counter:=Counter+1;
    if Counter=2 then begin
      Close;
    end;
  end;
  if IsTiming02 then begin
    MaskEdit1.SetFocus;
  end;
end;

```

```
IsTiming02:=False;
Timer1.Interval:=1000;
end;
end;
```

```
procedure TForm1.Edit2KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
var
  i : Integer;
  founded : Boolean;
begin
  if Key=13 then begin
    founded:=False;
    for i:=0 to FileSize(FUrun)-1 do begin
      Seek(FUrun,i);
      Read(FUrun,Urun);
      if ((CompareText(Edit2.Text,Urun.UrunKodu)=0)and(Urun.F='*')) then begin
        founded:=True;
      end;
    end;
    if founded then begin
      ShowMessage('This Code Exist...');
      Edit2.SetFocus;
    end;
  end;
end;
```

```
procedure TForm1.Edit13KeyDown(Sender: TObject; var Key: Word;
  Shift: TShiftState);
begin
  if Key=13 then begin
    if CompareStr(Edit13.Text,'1')=0 then begin
      AllInVisible;
      GroupBox9.Visible:=True;
    end;
  end;
end;
```

```

MaskEdit1.SetFocus;
Image3.Visible:=False;
MaskEdit1.Text:="";
MaskEdit2.Text:="";
ListBox1.Items.Clear;
ListView4.Items.Clear;
IsTiming02:=True;
Timer1.Interval:=1;
end
else begin
    Edit13.SelectAll;
    Label18.Caption:='Lütfen Tekrar Deneyin!';
end;
end;
end;

procedure TForm1.MaskEdit2KeyDown(Sender: TObject; var Key: Word;
    Shift: TShiftState);
var
    i : Integer;
    Tarih01 : TDate;
    IsDatesTrue : Boolean;
begin
    if Key=13 then begin
        ListBox1.Items.Clear;
        IsDatesTrue:=True;
        try
            Tarih01:=StrToDate(MaskEdit1.Text);
        except
            on EConvertError do begin
                ShowMessage('Lütfen Tarihi Doğru Giriniz');
                IsDatesTrue:=False;
                MaskEdit1.SetFocus;
            end;
        end;
    end;
end;

```



```
end;
try
  Tarih01:=StrToDate(MaskEdit2.Text);
except
  on EConvertError do begin
    ShowMessage('Lütfen Tarihi Doğru Giriniz');
    IsDatesTrue:=False;
    MaskEdit2.SetFocus;
  end;
end;
if IsDatesTrue then begin
  for i:=0 to FileSize(FSatis)-1 do begin
    Seek(FSatis,i);
    Read(FSatis,Urun);
    if (ListBox1.Items.IndexOf(Urun.Tarih)=-
1)and(StrToDate(MaskEdit1.Text)<=StrToDate(Urun.Tarih))and(StrToDate(MaskEdit2
.Text)>=StrToDate(Urun.Tarih)) then begin
      ListBox1.Items.Add(Urun.Tarih);
    end;
  end;
end;
end;
end;
end;

procedure TForm1.Edit13Change(Sender: TObject);
begin
  Label18.Caption:="";
end;

procedure TForm1.GroupBox6Click(Sender: TObject);
begin
  edit8.setfocus;
end;

end.
```

CONCLUSION

The program are used by to small firms. And it is understod that it can be used without any exceptions. With all this it is suitable to improvement.

In the next time when a programmer decided to improve this program it can be easily done. And the data base file of this program can be used by the other programing language that support the paradox 7.0. beacuse the database file was preapared as paradox.

The program cant support MID (Multiple Interface Data). But multiple user can use the database at the same time.

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