



NEAR EAST UNIVERSITY

ENGINEERING FACULTY

COM 400
GRADUATION PROJECT

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NUMBER : 960581

DEPT: COMPUTER ENGINEERING

SUBJECT : LIBRARY IN FOXPRO

TEACHER: BESİME ERİN

FOXPRO

First of all I want to mention you about the Foxpro. The Foxpro for windows is a data base program and also a data base program refinement intermediary. It is possible to utilize from DBASE and from Foxpro for not composing program codes. The Foxpro has also instruments which simplifies the program registers. It's not necessary to compose codes for screens, menus, reports and interrogations, it can be prepared by foxpro.

THE SYSTEM OF LIBRARY

I did a research of the N.E.Ü. Library. There is used to the D.W. system, it works with the Dewey Decimal Classification. That means, it's going to be controlled by the 100 system. It starts from 000 up to 099.

000 is the generalities. It contains the main data books, it has ansiklopedies and referans books.

100 Philosopy and Psycology

200 Religion

300 Social science

400 Language

500 Natural sciences and mathematics

600 Technology(Engineering)

700 Arts

800 Literature and rhetoric

900 Cography and History

It ends with 999. They are classified f.e. numbers between 100_199. are numbered with the relevant parts of books.

The books, coming to the library are first going to be registered. The opened register book includes: the name of the book, the class number, how it comes, date in, the author, the press and the cade number. The books are registered with the

these informations. After that, the class number can be stucked. In the front page the register number is written. These books are going to be placed to the shelves with the numbers. By registering the books, it processed how it comes. The meaning of this is, was the book bought, free or did it came as a donation?. We are writing how it comes to the library. To people who wants to rent a book. Can a Ansiklopedi and a Referance book not be given. These books can not be given outwards. At most for the lesson books it can be given 3 days outwards. If the book was not given back, the people has to extend the books term or they have to give the penalty. Romans and Story books like this can be rent for 15 days. By the books, going outwards, the taking and the delivery date is fixed. The person who rent the book back they have to pay the penalty and this is 250.000TL for one day. If the book was not brought back, the book is going to be erased from the register. After the erased, the book's number must be change.

PROJECT DOCUMENTATION:

First of all, This project consist of main menu to start the program.

1-Delete

2-Record

3-Change

4-List

5-To rent

6-Quit

in this part, entering your choose;

1-delete: we use this option to erase not coming the books.

2-record: we use the option to add new books

3-change: we use this option to change the information about books.

4-list: all information about the books ,can see on the screen.

5-quit: this procedure is used to exit from the program completely.

ALL ENTITIES WITH TYPE OF AND SIZE IN DBASE

<i>ENTITY</i>	<i>TYPE</i>	<i>SIZE</i>
<i>Title</i>	<i>Character</i>	<i>25</i>
<i>Author</i>	<i>Character</i>	<i>15</i>
<i>Press</i>	<i>Character</i>	<i>25</i>
<i>Content</i>	<i>Character</i>	<i>25</i>
<i>Date</i>	<i>Date</i>	<i>8</i>
<i>Code</i>	<i>Numeric</i>	<i>9</i>

CONCLUSION

This project was very hard to accomplish. The project would be usefull program that would help improve my own abilities in the field of Foxpro. So by finishing this language it is easy now to do such a project. And this is after helping of books and explanation of teachers that help me to practical my work. All that is due to determination and my work.

Choosing the project my aims are:

- Library sistem is not using the own üniversity.*
- I want to learn to the foxpro.*

File Type

- Table/DBF**
- Program**
- File**
- Index**
- Report**
- Label**
- Screen**
- Menu**
- Query**
- Project**

New

Cancel

Table Structure

Tag	Name	Type	Width	Dec	Field
	title	Character	25		<input type="button" value="Insert"/> <input type="button" value="Delete"/> <input type="button" value="OK"/> <input type="button" value="Cancel"/>
	author	Character	15		
	press	Character	25		
	content	Character	25		
	date	Date	8		
	code	Numeric	9	4	

a:\library.dbf

Fields: 6 Length: 108

BROWSE

Title COCUGUN DUYGUSAL SORUNLAR

Author LEE SALK

Press REMZI

Content PSIKOLOJJI

Date 09.08.1993

Code 101,0001

Title PASCAL PROGRAMMING

Author BAHATTIN BAYBUR

Press BETA

Content TEKNİK

Date 10.10.1990

Code 600,0002

Title AUTOCAD 10

Author A AND S

Press BETA

Content DRAWING

Date 01.01.1991

Code 601,0003

Title ESSENTIAL GRAMMER IN USE

Author RAYMOND MURPHY

Press CAMBRIDGE UNIV.

Content ENGLISH

Date 02.01.1990

Code 403,0004

Title CALCULUS GEOMETRY

Author SHERMAN STEIN

Press MCGROW

Content MATHEMATIC

Date 01.02.1987

Code 501,0005

RECORD

CHANGE

DELETE

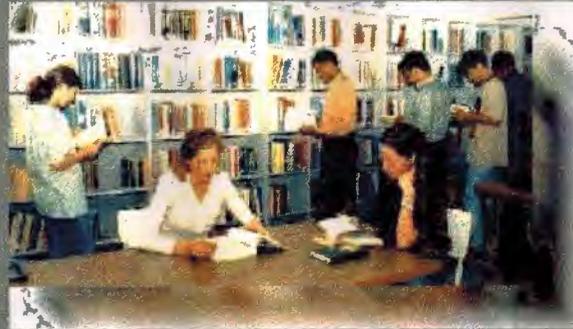
LIST

TO RENT

QUIT



NEAR EAST UNIVERSITY



NO	NAME	NO	NAME	NO	NAME	NO	NAME
1	ALBERT	2	ALBERT	3	ALBERT	4	ALBERT
5	ALBERT	6	ALBERT	7	ALBERT	8	ALBERT
9	ALBERT	10	ALBERT	11	ALBERT	12	ALBERT
13	ALBERT	14	ALBERT	15	ALBERT	16	ALBERT
17	ALBERT	18	ALBERT	19	ALBERT	20	ALBERT
21	ALBERT	22	ALBERT	23	ALBERT	24	ALBERT
25	ALBERT	26	ALBERT	27	ALBERT	28	ALBERT
29	ALBERT	30	ALBERT	31	ALBERT	32	ALBERT
33	ALBERT	34	ALBERT	35	ALBERT	36	ALBERT
37	ALBERT	38	ALBERT	39	ALBERT	40	ALBERT
41	ALBERT	42	ALBERT	43	ALBERT	44	ALBERT
45	ALBERT	46	ALBERT	47	ALBERT	48	ALBERT
49	ALBERT	50	ALBERT	51	ALBERT	52	ALBERT
53	ALBERT	54	ALBERT	55	ALBERT	56	ALBERT
57	ALBERT	58	ALBERT	59	ALBERT	60	ALBERT
61	ALBERT	62	ALBERT	63	ALBERT	64	ALBERT
65	ALBERT	66	ALBERT	67	ALBERT	68	ALBERT
69	ALBERT	70	ALBERT	71	ALBERT	72	ALBERT
73	ALBERT	74	ALBERT	75	ALBERT	76	ALBERT
77	ALBERT	78	ALBERT	79	ALBERT	80	ALBERT
81	ALBERT	82	ALBERT	83	ALBERT	84	ALBERT
85	ALBERT	86	ALBERT	87	ALBERT	88	ALBERT
89	ALBERT	90	ALBERT	91	ALBERT	92	ALBERT
93	ALBERT	94	ALBERT	95	ALBERT	96	ALBERT
97	ALBERT	98	ALBERT	99	ALBERT	100	ALBERT

MENU.PRG

```
CLOSE ALL
SET TALK OFF
#DEFINE WINDOW KAYIT SECME FROM 3,71 TO 200,290;
FLOAT SHADOW SYSTEM Title"SECIM"CLOSE
SET COLOR TO B/W,W/B
@ 14,34 SAY "NEAR EAST UNIVERSITY"FONT"Times New Roman",24 STYLE"I"
```

```
@ 1,48 SAY (LOCFILE("A:\NeuLogo.bmp","BMP|ICO|PCT|ICN",
  "Where is NeuLogo?" )) BITMAP;
SIZE 20.000,55.000 ;
STYLE "T"
@ 18,32 SAY (LOCFILE("A:\Library.bmp","BMP|ICO|PCT|ICN",
  "Where is Library?" )) BITMAP;
SIZE 20.000,55.000 ;
STYLE "T"
SET COLOR TO B/W,W/B
USE A:\LIBRARY
@3,8 GET SECIM1 PICTURE;
'@*UN RECORD; CHANGE; DELETE; LIST; TO RENT;\?QUIT';
SIZE 3,15,2 DEFAULT 0 VALID DENETIM()
READ CYCLE
RELEASE WINDOWS SECIM
```

```
FUNCTION DENETIM
DO CASE
  CASE SECIM1=1
    DO A:\KAYIT.prg
  CASE SECIM1=2
    DO A:\DEGIS
  CASE SECIM1=3
    DO A:\DELETE.PRG
  CASE SECIM1=4
    DO A:\LISTE.PRG
  CASE SECIM1=5
    QUIT
ENDCASE
```

```
@ 14,34 SAY "NEAR EAST UNIVERSITY"FONT"Times New Roman",24 STYLE"I"
```

```
@ 1,50 SAY (LOCFILE("A:\NeuLogo.bmp","BMP|ICO|PCT|ICN",
  "Where is NeuLogo?" )) BITMAP;
SIZE 20.000,55.000 ;
STYLE "T"
@ 18,32 SAY (LOCFILE("A:\Library.bmp","BMP|ICO|PCT|ICN",
  "Where is Library?" )) BITMAP;
SIZE 20.000,55.000 ;
STYLE "T"
SHOW GETS
```


DELETE.PRG

```

SET SYSMENU OFF
SET TALK OFF
CLEAR
USE A:\LIBRARY
INDEX ON TITLE TO TITLX
CEVAP="E"
DEFINE WINDOW DELETE1 FROM 1,5 TO 11,75;
    TITLE "RECORD DELETE"SYSTEM
DEFINE WINDOW DELETE2 FROM 6,5 TO 20,75 DOUBLE
DEFINE WINDOW DELETE3 FROM 21,10 TO 26,70;
    SYSTEM TITLE "Onay"
DEVAM="E"
DO WHILE DEVAM=UPPER("E")
CLEAR
TITLE1=SPACE(25)
CLEAR
    ACTIVATE WINDOW DELETE1
    @2,6 SAY "ENTER THE BOOK'S TITLE(ENTER CIKIS)";
        GET TITLE1 PICTURE"@25!"
    READ
    IF TITLE1=SPACE(25)
        CLOSE DATABASES
        DEACTIVATE WINDOW DELETE1
    ENDIF
    SEEK TITLE1
    IF .NOT.EOF()
        ACTIVATE WINDOW DELETE2
        CEVAP="H"
        @1,6 SAY "TITLE.....:"GET TITLE PICTURE"@25!"
        @3,6 SAY "AUTHOR.....:"GET AUTHOR PICTURE"@15!"
        @5,6 SAY "PRESS.....:"GET PRESS PICTURE"@25!"
        @7,6 SAY "CONTENT.....:"GET CONTENT PICTURE"@25!"
        @9,6 SAY "DATE.....:"GET DATE PICTURE"99/99/99"
        @11,6 SAY "CODE.....:"GET CODE PICTURE "999"
        CLEAR GETS
        ACTIVATE WINDOW DELETE3
        @1,1 CLEAR TO 3,50
        @2,1 SAY "BU KAYIT DOSYADAN SILINSIN MI(E/H)";
            GET CEVAP PICTURE"@!1"
        READ
        IF CEVAP=UPPER("E")
            IF .NOT.DELETED()
                DELETE
            ENDIF
        ENDIF
    ELSE
        @1,1 CLEAR TO 3,50
        @1,1 SAY "BU KAYIT DOSYADA YOK DEVAM EDECEK MISINIZ(E/H)";
            GET DEVAM PICTURE"@!1"
        READ

```

```
HIDE WINDOW DELETE2  
HIDE WINDOW DELETE3
```

```
LOOP
```

```
ELSE
```

```
    CLEAR
```

```
ENDIF
```

```
ENDIF
```

```
@1,1 CLEAR TO 3,50
```

```
@2,1 SAY "SILINECEK BASKA KAYIT UARMI[E/H]";  
    GET DEVAM PICTURE"@1?"
```

```
READ
```

```
    HIDE WINDOW DELETE2
```

```
    HIDE WINDOW DELETE3
```

```
ACTIVATE WINDOW DELETE3
```

```
@1,1 CLEAR TO 3,50
```

```
@2,1 SAY "ISARETLENEN DOSYADAN CIKARILSINMI[E/H]";  
    GET CEVAP PICTURE"@1?"
```

```
READ
```

```
    HIDE WINDOW DELETE2
```

```
    HIDE WINDOW DELETE3
```

```
IF CEVAP=UPPER("E")
```

```
    PACK
```

```
ENDIF
```

```
ENDDO
```

```
DEACTIVATE WINDOW ALL
```

```
RETURN
```

ENTER THE BOOK'S TITLE(ENTER CIKIS) GAZAP UZUNLERI

TITLE..... GAZAP UZUNLERI

AUTHOR..... DOSTOEVSKI

PRESS..... YINC

CONTENT..... ROMAN

DATE..... 18.05.1979

CODE..... 801

Onay

BU KAYIT DOSYADAN SILINSIN MI(E/W)]

KAYIT.PRG

```
SET TALK OFF
SET STATUS OFF
SET SCOREBOARD OFF
DEFINE WINDOW PENCERE FROM 16,5 TO 25,75 SYSTEM;
    GROW MINIMIZE FLOAT CLOSE ZOOM
WAIT WINDOW 'AKTIF PENCERE.....'+WOUTPUT()
USE A:\LIBRARY
DEVAM="E"
DO WHILE DEVAM=UPPER("E")
    CLEAR
    @2,5 CLEAR TO 23,77
    APPEND BLANK
    @3,11 SAY "TITLE.....:"GET TITLE PICTURE"@25!"

    @5,11 SAY "AUTHOR.....:"GET AUTHOR PICTURE"@15!"
    @7,11 SAY "PRESS.....:"GET PRESS PICTURE"@25!"
    @9,11 SAY "CONTENT.....:"GET CONTENT PICTURE"@25"
    @11,11 SAY "DATE.....:"GET DATE PICTURE"99/99/99"
    @13,11 SAY "CODE.....:"GET CODE PICTURE"999.9999"
    READ
    REPLACE TITLE WITH TITLE
    REPLACE AUTHOR WITH AUTHOR
    REPLACE PRESS WITH PRESS
    REPLACE CONTENT WITH CONTENT
    REPLACE DATE WITH DATE
    REPLACE CODE WITH CODE
    @24,20 SAY "GIRILECEK BASKA KAYIT UARMI(E/H)";
        GET DEVAM PICTURE"@1!"
    READ
ENDDO
USE
CLEAR
RETURN
```

TITLE..... CAZOP BEZMLERI
AUTHOR..... DOSTOEVSKI
PRESS..... TONK
CONTENT..... ROMAN
DATE..... 11.05.1929
CODE..... 001.001S

GERILECEK BASKA KAVIT VARMISE/N) 0

LIST.PRG

```
SET TALK OFF
SET SYSMENU OFF
DEFINE WINDOW List FROM 1,1 TO 23,76;
    TITLE"Listing"SYSTEM
DEFINE WINDOW List1 FROM 25,5 TO 28,73;
    TITLE"Listing"SYSTEM
ACTIVATE WINDOW List
USE A:\LIBRARY
CLEAR
@1,3 SAY "TITLE           "FONT"Arial",9 STYLE "BU"
@1,25 SAY "AUTHOR        "FONT"Arial",9 STYLE "BUI"
@1,40 SAY "PRESS         "FONT"Arial",9 STYLE "BUI"
@1,50 SAY "CONTENT       "FONT"Arial",9 STYLE "BUI"
@1,60 SAY "DATE          "FONT"Arial",9 STYLE "BUI"
@1,70 SAY "CODE          "FONT"Arial",9 STYLE "BUI"
SAYI=0
SATIR=3
DO WHILE.NOT.EOF()
@SATIR,0 SAY TITLE PICTURE "@25" FONT"Arial",8 STYLE"B"
@SATIR,25 SAY AUTHOR PICTURE "@15" FONT"Arial",8 STYLE "B"
@SATIR,40 SAY PRESS PICTURE "@25" FONT"Arial",8 STYLE "B"
@SATIR,50 SAY CONTENT PICTURE "@25" FONT"Arial",8 STYLE "B"
@SATIR,60 SAY DATE PICTURE "99/99/99" FONT"Arial",8 STYLE "B"
@SATIR,70 SAY CODE PICTURE "999" FONT"Arial",8 STYLE "B"
SATIR=SATIR+1
SAYI=SAYI+1
IF SATIR=20
    ACTIVATE WINDOW List1
    @1,1 SAY "END OF THE FILE_ENTER THE LETTER"
    @1,35 SAY "LISTING NUMBER OF RECORDS"
    @1,60 SAY SAYI PICTURE "999"
    BEKLE=INKEY(0)
    IF LASTKEY()=27
        RETURN
    ELSE
        @1,1 CLEAR TO 4,70
        SATIR=4
    ENDIF
ENDIF
SKIP
IF EOF()
    ACTIVATE WINDOW Liste1
    @1,1 SAY "END OF THE FILE_ENTER THE LETTER"
    @1,35 SAY "LISTING NUMBER OF RECORDS.....:"
    @1,60 SAY SAYI PICTURE "999"
    BEKLE=INKEY(0)
    CLEAR
ENDIF
ENDDO
DEACTIVATE WINDOW ALL
RETURN
CLEAR
```

TITLE	AUTHOR	PRESS	CONTENT	DATE	CODE
ÇOCUK BİYÜKÜLLÜĞÜ	LEE SALK	REMZI	PSIKOLOJİ	09.09.1993	104
PASCAL PROGRAMMING	BAMATTIN BAYBUR	BETA	TEKNİK	10.10.1990	609
AUTOCAD 10	A AND S	BETA	DRAWING	01.01.1991	681
ESSENTIAL GRAMMER IN USE	RAYMOND MURPHY	CAMBRIDGE	ENGLISH	02.01.1990	483
CALCULUS GEOMETRY	SHERMAN STEIN	MCGRAW	MATHEMATIC	01.02.1987	601
TRBO PASCAL VERSION 5.0	KENNETH MORGAN	MERRIL	TEKNİK	01.02.1989	608
ÖYS MATEMATİK	NEŞİBE AYDIN	AYDIN	-	01.02.1989	510
ELERİ ELECTRONIC	SADIK KURTULOU	ENKARE	TEKNİK	01.02.1992	606
MATEMATİK	FARİTTİN DAĞIR	FIL	-	01.02.1997	606
GENEL ÖGR. TONTENLERİ	ÖZCAN DEMREL	USEM	PSIKOLOJİ	01.02.1994	102
İŞTİH SOSYOLOJİSİ	YASEMİN AKMAN	ARİADAS	SOSYOLOJİ	01.02.1996	104
PC DONANIM	MURAT YILMAZ	SİSTEM	TEKNİK	01.02.1995	610
MICROSOFT FOXPRO 2.6	MEHMET YANIK	BETA	COMPUTER LARI	01.02.1998	643
BEDEN BİLİ	ACAR DALYAS	AB	PSIKOLOJİ	01.02.1999	120
					0
					0
					0

Listing

END OF THE FILE_ENTER THE LETTER LISTING NUMBER OF RECORD 17

```

SET TALK OFF
SET SCOREBOARD OFF
SET STATUS OFF
USE A:\LIBRARY
INDEX ON TITLE TO TITLX
DEVAM="E"
DO WHILE DEVAM=UPPER("E")
CLEAR
TITLE1=SPACE(15)
@1,5 TO 5,75 DOUBLE
@2,25 SAY "RECORDS CHANGE"
@3,6 SAY "ENTER THE BOOK'S TITLE(ENTER CIKIS)";
      GET TITLE1 PICTURE"@15!"
READ
IF TITLE1=SPACE(15)
      CLOSE DATABASES
      CLEAR
      RETURN
ENDIF
SEEK (TITLE1)
IF FOUND() THEN
      CEVAP="H"
      @9,5 TO 22,70
      @10,6 SAY "TITLE.....:"GET TITLE PICTURE"@25!"
      @12,6 SAY "AUTHOR.....:"GET AUTHOR PICTURE"@15!"
      @14,6 SAY "PRESS.....:"GET PRESS PICTURE"@25!"
      @16,6 SAY "CONTENT.....:"GET CONTENT PICTURE"@25!"
      @18,6 SAY "DATE.....:"GET DATE PICTURE"99/99/99"
      @20,6 SAY "CODE.....:"GET CODE PICTURE"999"
      READ
      @24,20 SAY "DO YOU WANT TO RECORD THE CHANGES(Y/N)";
            GET DEVAM PICTURE"@!1"
      READ
      IF DEVAM="E"
            REPLACE TITLE WITH TITLE
            REPLACE AUTHOR WITH AUTHOR
            REPLACE PRESS WITH PRESS
            REPLACE DATE WITH DATE
            REPLACE CODE WITH CODE
      ENDIF
ELSE
      @20,5 CLEAR TO 23,77
      @20,5 TO 23,77 DOUBLE
      @21,20 SAY "THIS RECORD CAN NOT BE FOUND"
      @22,20 SAY "ARE ANY RECORDS TO CHANGE(Y/N)";
            GET DEVAM PICTURE"@!1"
      READ
      IF DEVAM="E"
            LOOP
      ELSE
            EXIT

```

ENDIF
@24,20 SAY "ENTERING OTHER RECORDS(Y/N)";
GET DEVAM PICTURE"@1!"

READ
ENDDO
CLOSE DATABASES
CLEAR
RETURN

RECORDS CHANGE
ENTER THE BOOK'S TITLE/CENTER CITIES> GAZAP UZUMLERI

TITLE..... GAZAP UZUMLERI
AUTHOR..... BOS LOREVSKE
PRESS..... TINC
CONTENT..... BOKAT
DATE..... 13-05-1979
CODE..... 001

DO YOU WANT TO RECORD THE CHANGES (Y/N) 1

TO RENT.



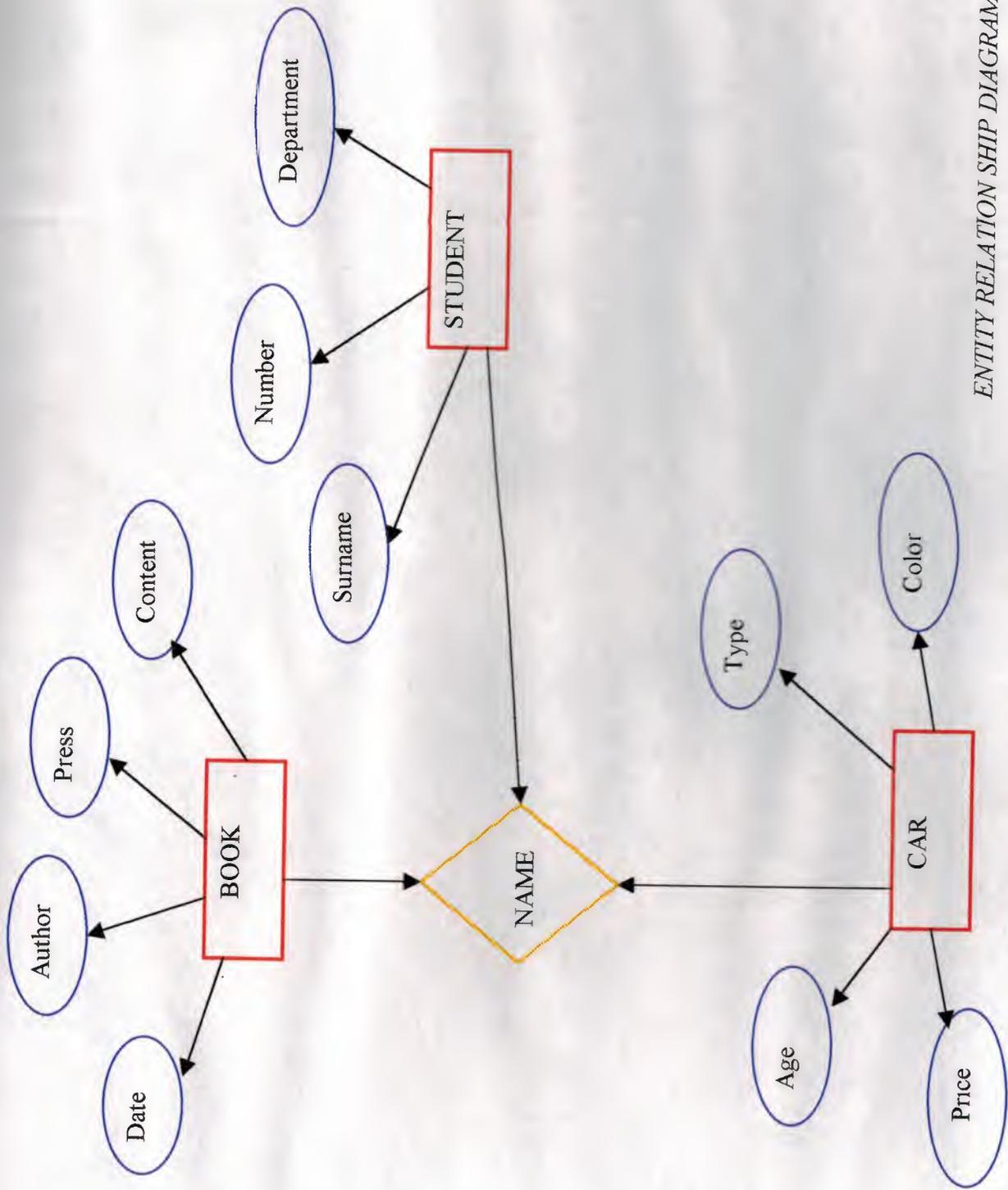
NEAR EAST UNIVERSITY

CHANGE

DELETE

LIST

QUIT



ENTITY RELATIONSHIP DIAGRAM