SYSTEMS ANALYSIS AND DESIGN FOR MANGAS AGENCIES

HONORS THESIS (ID 499) MANAGEMENT SCIENCE

BY
W. KEVIN FENTON

THESIS ADVISOR

BALL STATE UNIVERSITY
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INTRODUCTION

The purpose of this honors thesis is two-fold in nature; to involve and familiarize the author in the use of microcomputers, and to produce a product that can be used in a "real world" situation. Microcomputers are fast becoming a permanent fixture in the business world of today. This author can personally verify this fact through his personal interviewing process dating from the Fall of 1984 to the present. In each interview, the question that came up most often was, "Have you done any work involving the use of personal computers?". The answer was always the same, "No, Ball State does not offer any classes dealing with microcomputers". As the honors thesis is supposed to carry one above and beyond the scope of ordinary classwork, it became apparent that a project involving microcomputers would be most beneficial. This project was also designed so that the author would be exposed to a true business situation. This particular project format will enable one to use skills learned in the classroom to gain valuable experience in the area of communication and analysis.

The products of this project will include a written report and a software applications package for commercial use. The
written report will contain background on the chosen business, a manual for operations for use by the business, system documentation, and concluding remarks.
Mangas Agencies is owned and operated by Lyle D. Gilbert, a graduate of Ball State University. The agency is involved in insurance and real estate, with insurance as the main concern. The main office is located in Union City, Indiana and a branch office is located in Lynn, Indiana. The insurance business at Mangas' is divided into casualty and life insurance, with casualty insurance accounting for approximately ninety percent of the business. The casualty insurance is further broken down into homeowner's, farmowner's and automobile insurance. Mr. Gilbert presently has no on-site computer, but does have all of his accounting applications done by a service bureau. The casualty side of Mr. Gilbert's business currently serves approximately 2000 customers, which constitutes a very large amount of files and paperwork. Mr. Gilbert has been interested in computerizing his business, but is not quite sure if it would be of any benefit. Since file management is one of the biggest applications at Mangas', it would be appropriate to computerize this application first in order to give Mr. Gilbert a chance to evaluate the benefits that a computer would give his office. The
The system designed will basically allow for four different procedures on each file. First of all, the user will be able to build a database for each file. Secondly, he will be able to edit any of the records contained in a specific database. Thirdly, he will be able to delete records from a specific database. Lastly, the user will have look-up capabilities for each database. There will also be other procedures available, due to the software package that has been chosen, but since they were not specifically designed by this author they will only be mentioned briefly.

Mr. Gilbert has shown much interest in computers, and has expressed that if he were to purchase a computer it would most likely be an IBM. In order to please the user, this system will be designed on an IBM PC, using the Dbase III software package by the Ashton-Tate Company. The Dbase III package was chosen because of its database applications and its sufficient adaptation to programming applications. This will enable one to personalize the system to fit Mr. Gilbert's exact needs. The programming facilities will tailor the system to a high degree of user friendliness, a must when dealing with first-time users. This system, if implemented, will keep the cost of computerizing Mangas Agencies at a minimum. The basic components that Mr. Gilbert will need to purchase will include an IBM PC and monitor, a Disk Operating System (DOS), Dbase III by Ashton-Tate, and a small printer, which would be optional.
OPERATIONS MANUAL

To begin operation one must turn on the monitor and computer. In order to familiarize the user with the IBM PC, please note the following:

Drive A--left drive--DOS and Dbase III Systems Disks
Drive B--right drive--file disk

The user should follow the steps as listed below, and he will be able to use the system effectively in a short period of time.

1. Place the DOS disk in drive A and press the control (Ctrl), alternate (Alt), and delete (Del) keys at the same time. (Please refer to Appendix 1 for a complete keyboard description.) The red light below drive A will light up and you will hear a beep and some whirring noises. Be careful to not do anything when either of the red lights below the drives are on. The DOS will show its current date, indicating that it is ready for action. It will then ask you for the current date, as follows:

   Current date is Tue 1-01-1980

   Enter new date:

The user will either enter the current date (using the month-day-year format), and press <RETURN>, or just press <RETURN> if the date is not important. DOS will next show you its current time, and will ask you for the current time, as follows:

   Current time is 0:00:10.49

   Enter new time:

The user will either enter the current time (using military format), and press <RETURN>, or just press <RETURN> if the time is not important. The DOS will now respond with A>, which is the DOS system prompt; this means that DOS is ready to go.

2. Remove the DOS disk from drive A and replace it with the Dbase III Systems Disk. Please press the Caps Lock key in order to avoid any needless complications. Type DBASE and press <RETURN>. A will appear. This is the Dbase systems prompt. It signals that Dbase III is ready to go. Place the Files disk in drive B. The user should enter the following commands to prepare for work:

   .SET DEFAULT TO B: <RETURN>
   .DO RUNIT <RETURN>

The menu screen will appear and the system is ready for work! The user should refer to steps 4-8 for actual transaction operations.

3. To end execution enter Q <RETURN> at the menu prompt. The . will appear, and the user should type QUIT <RETURN>. Dbase III will respond with thank-you messages, and the A> will appear. At this point the user should take out both disks, place them in the appropriate sleeves, and turn off the computer and the monitor.
4. TO ADD A RECORD TO A DATABASE
To opt for this procedure do the following:
1) Enter either A to add a record to the homeowner’s file, B to add a record to the automobile owner’s file, or C to add a record to the farm owner’s file, at the main menu prompt and press <RETURN>. An add screen will appear and the user should enter the appropriate information. Remember that one cannot go past the field length (color break). If the information does not fill the field, press <RETURN> to move to the next field. The cursor will automatically move to the next field if the information fills the field entirely. Please refer to the file structures in Appendix 2 to insure that one is entering the correct information in the appropriate fields. If no information is to be entered into a specific field, the user should just press <RETURN> to move to the next field.
2) If only one new record is to be entered, the user should press <RETURN> when a new add screen appears. To end execution, the user should answer the prompts appropriately.

5. LOOK-UP A RECORD IN A DATABASE
To opt for this procedure do the following:
1) Enter D to look-up a record in the homeowner’s file, E to look-up a record in the farm owner’s file, or F to look-up a record in the automobile owner’s file. Press <RETURN>.
2) The following message will appear:
   PLEASE ENTER LAST NAME:
The user should enter the client’s last name in single quotes as follows:
   ‘JONES’
   Press <RETURN> to start the search. If the name is not found, NAME NOT FOUND will appear. The user should answer the prompts appropriately and check the spelling of the last name if he wants to continue the search. If the last name is found, it will appear on the screen, along with a brief record description so that the user may verify that it is the correct record. The user should answer the prompts appropriately.
3) To end execution of this procedure the user should answer the prompts appropriately and control will be returned to the main menu.

6. DELETE A RECORD FROM A DATABASE
To opt for this procedure do the following:
1) Enter G to delete a record from the homeowner’s file, H to delete a record from the automobile owner’s file, or I to delete a record from the farm owner’s file. Press <RETURN>.
2) The following screen message will appear:
   PLEASE ENTER LAST NAME OF CLIENT TO DELETE:
The user should enter the client’s last name enclosed in single quotes as follows:
   ‘JONES’
   Press <RETURN> to start the search. If the name is not
found, NAME NOT FOUND will appear. The user should answer the prompts appropriately and check the spelling of the last name if he wants to continue the search. If the last name is found, it will appear on the screen, along with a brief record description so that the user may verify that it is the correct record. The user should answer the prompts appropriately.

3) To end execution of this procedure, the user should answer the prompts appropriately and control will be returned to the main menu.

7. EDIT A RECORD IN A DATABASE
To opt for this procedure do the following:
1) Enter J to edit a record in the homeowner's file, K to edit a record in the automobile owner's file, or L to edit a record in the farm owner's file. Press <RETURN>.
2) The following screen message will appear:

   PLEASE ENTER LAST NAME OF CLIENT TO CHANGE:

   The user should enter the client's last name enclosed in single quotes as follows:

   'JONES'

   Press <RETURN> to start the search. If the last name is not found, NAME NOT FOUND will appear. The user should answer the prompts appropriately and check the spelling of the last name if he wants to continue the search. If the last name is found, it will appear on the screen, along with a brief record description so that the user may verify that it is the correct record. The user should answer the prompts appropriately.

3) The record will appear along with brief titles to the left of each field. (Please refer to Appendix 2 for record descriptions of each file to insure that you are entering the correct information.) The user should advance to the fields that he wants to change by pressing the <RETURN> continuously. The cursor may be moved throughout the record by using the four arrow keys located on the numeric keypad. To erase the contents of a specific field, position the cursor to the rightmost position in the field and press the <- key located directly to the right of the <+ key. To enter new text, type the new information as you did in the add procedure.

4) To end this procedure, press the Ctrl key and the End key simultaneously, and answer the prompts appropriately. Control will be returned to the main menu.
**APPENDIX 2**

**FILE STRUCTURES**

**FARM OWNER’S FILE**

<table>
<thead>
<tr>
<th>FIELD</th>
<th>FIELD_NAME</th>
<th>CONTENTS</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>POLC_NUM</td>
<td>Policy Number</td>
<td>15</td>
</tr>
<tr>
<td>2</td>
<td>LAST_NAME</td>
<td>Last Name</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>FIRST_NAME</td>
<td>First Name</td>
<td>15</td>
</tr>
<tr>
<td>4</td>
<td>PREMIUM</td>
<td>Premium Amount</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>TOT_COV</td>
<td>Total Coverage</td>
<td>8</td>
</tr>
</tbody>
</table>

**HOMEOWNER’S FILE**

<table>
<thead>
<tr>
<th>FIELD</th>
<th>FIELD_NAME</th>
<th>CONTENTS</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LAST_NAME</td>
<td>Last Name</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>FIRST_NAME</td>
<td>First Name</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>STREET_ADD</td>
<td>Street Address</td>
<td>15</td>
</tr>
<tr>
<td>4</td>
<td>CITY</td>
<td>City</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>STATE</td>
<td>State</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>ZIP</td>
<td>Zip</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>PHONE</td>
<td>Phone</td>
<td>12</td>
</tr>
<tr>
<td>8</td>
<td>COMPANY</td>
<td>Insurance Company</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>POLC_FROM</td>
<td>Policy From</td>
<td>8</td>
</tr>
<tr>
<td>10</td>
<td>POLC_TO</td>
<td>Policy To</td>
<td>8</td>
</tr>
<tr>
<td>11</td>
<td>POLC_NUM</td>
<td>Policy Number</td>
<td>15</td>
</tr>
<tr>
<td>12</td>
<td>BAS_PREM</td>
<td>Basic Premium</td>
<td>7</td>
</tr>
<tr>
<td>13</td>
<td>OTHER_PREM</td>
<td>Other Premium</td>
<td>7</td>
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<tr>
<td>14</td>
<td>SCHED_PREM</td>
<td>Scheduled Premium</td>
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<td>TOTAL_PREM</td>
<td>Total Premium</td>
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<td>Dwelling</td>
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</tr>
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<td>17</td>
<td>OTHER_STRU</td>
<td>Other Structure</td>
<td>7</td>
</tr>
<tr>
<td>18</td>
<td>PERS_PROP</td>
<td>Personal Property</td>
<td>7</td>
</tr>
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<td>19</td>
<td>LOSS_USE</td>
<td>Loss of Use</td>
<td>7</td>
</tr>
<tr>
<td>20</td>
<td>SCHED_PROP</td>
<td>Scheduled Property</td>
<td>7</td>
</tr>
<tr>
<td>21</td>
<td>PERS_IN_LB</td>
<td>Personal Injury Liability</td>
<td>7</td>
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<tr>
<td>22</td>
<td>MED_TO_OTH</td>
<td>Medical Payments to Others</td>
<td>7</td>
</tr>
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<td>23</td>
<td>PROP_DAM_L</td>
<td>Property Damage Liability</td>
<td>7</td>
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<td>24</td>
<td>CONS_TYPE</td>
<td>Construction Type</td>
<td>10</td>
</tr>
<tr>
<td>25</td>
<td>YEAR_BUILT</td>
<td>Year Built</td>
<td>4</td>
</tr>
<tr>
<td>26</td>
<td>ROOF</td>
<td>Roof</td>
<td>12</td>
</tr>
<tr>
<td>27</td>
<td>PROT_CLASS</td>
<td>Protection Class</td>
<td>2</td>
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<td>28</td>
<td>TERRITORY</td>
<td>Territory</td>
<td>3</td>
</tr>
<tr>
<td>29</td>
<td>PREM_GROUP</td>
<td>Premium Group</td>
<td>2</td>
</tr>
<tr>
<td>30</td>
<td>FT_TO_HYD</td>
<td>Feet to Hydrant</td>
<td>3</td>
</tr>
<tr>
<td>31</td>
<td>MILES_FIRE</td>
<td>Miles to Fire Department</td>
<td>2</td>
</tr>
</tbody>
</table>
**FIELD** | **FIELD NAME** | **CONTENTS** | **LENGTH**
---|---|---|---
32 | NO_OF_FAM | Number of Families | 1
33 | IN_CTY_LIM | In the City Limits | 1
34 | END1 | Endorsement one | 35

*FIELDS 35-41 ARE THE SAME EXCEPT FOR ENDORSEMENT NUMBERS*

TOTAL RECORD LENGTH 511

### AUTO OWNER'S FILE

**FIELD** | **FIELD NAME** | **CONTENTS** | **LENGTH**
---|---|---|---
1 | LAST_NAME | Last Name | 17
2 | FIRST_NAME | First Name | 10
3 | STREET_ADD | Street Address | 17
4 | CITY | City | 12
5 | STATE | State | 2
6 | ZIP | Zip | 5
7 | PHONE | Phone Number | 12
8 | COMPANY | Company | 10
9 | POLC_FROM | Policy From | 8
10 | POLC_TO | Policy To | 8
11 | POLC_NUM | Policy Number | 15
12 | STATE_CAR | State of Car | 2
13 | TERR_CAR | Territory of Car | 2
14 | CAR_YEAR | Year of Car | 2
15 | TRADE_NAME | Trade Name of Car | 10
16 | BODY_STYLE | Body Style of Car | 10
17 | ID_NUMBER | ID Number of Car | 15
18 | NUM_DRIVER | Number of Drivers | 1
19 | LIEN | Lien on Car | 1
20 | LIENHOLD | Name of Lienholder | 20
21 | SYMCOST | Sym/cost New | 7
22 | USE_CODE | Use Code | 7
23 | DRIVER1_DT | Driver #1 Driver's Training | 1
24 | DRIVER1_BD | Driver #1 Birthday | 8
25 | DRIVER1_MD | Driver #1 Married | 1
26 | DRIVER1_SX | Driver #1 Sex | 1

*FIELDS 27-38 ARE THE SAME EXCEPT FOR DRIVER NUMBER*

39 | BOD_INJ_PM | Bodily Injury Premium | 6
40 | BI_LIM_PER | Bodily Injury Lim/person | 8
41 | BI_LIM_ACC | Bodily Injury Lim/accident | 8
42 | PR_DAM_PRE | Property Damage Premium | 6
43 | PD_LIM_ACC | Property Damage Lim/acc | 8
44 | UM_PREM | Uninsured Motorist Premium | 6
45 | UMBILIM_PR | Uni. Mot. Bod. Inj. Lim/per | 8
47 | MEDPAY_PRE | Med. Pay. to Others Premium | 6
48 | MEDPYLIM_F | Med. Pay. to Others Lim/per | 8
49 | AVCOMCOM_PRE | Actual Cash Value Premium | 6
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<th>FIELD</th>
<th>FIELD NAME</th>
<th>CONTENTS</th>
<th>LENGTH</th>
</tr>
</thead>
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<tr>
<td>50</td>
<td>AVC_DEDUCT</td>
<td>Actual Cash Value Deduct.</td>
<td>8</td>
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<tr>
<td>51</td>
<td>COLL_PREM</td>
<td>Collision Premium</td>
<td>6</td>
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<tr>
<td>52</td>
<td>COLL_DED</td>
<td>Collision Deductible</td>
<td>8</td>
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<tr>
<td>53</td>
<td>TOW_PREM</td>
<td>Towing Premium</td>
<td>6</td>
</tr>
<tr>
<td>54</td>
<td>TPLIM_PERS</td>
<td>Towing Limit/disablement</td>
<td>8</td>
</tr>
<tr>
<td>55</td>
<td>TOTAL_PREM</td>
<td>Total Premium</td>
<td>6</td>
</tr>
</tbody>
</table>

**TOTAL RECORD LENGTH 358**
MAIN PROGRAM LOGIC

1. CLEAR THE SCREEN
2. CHANGE THE COLOR OF THE SCREEN
MAIN LOOP
3. CLEAR THE SCREEN
4. ACCEPT THE CHOICE OF EXECUTION
5. SELECT THE APPROPRIATE SUBPROGRAM
END MAIN LOOP
6. END MAIN PROGRAM AND RETURN TO DBASE III PROMPT
VTOC FOR INSURANCE SYSTEM

RUNIT

ADDHOME  ADDAUTO  ADDFARM  LOOKHOME  LOOKFARM  LOOKAUTO

DELHOME  DELAUTO  DELFARM  CHGHOME  CHGAUTO  CHGFARM
PROGRAM FLOWCHART: RUNIT

START

DISPLAY MENU

INPUT CHOICE

CHOICE=A

CALL ADDHOME

CHOICE=E

CALL ADDAUTO

CHOICE=C

CALL ADDFARM

CHOICE=D

CALL LOOKHOME

CHOICE=E

CALL LOOKFARM

CHOICE=F

CALL LOOKAUTO

CHOICE=G

CALL DELHOME

CHOICE=H

CALL DELAUTO

CHOICE=I

CALL DELFARM

CHOICE=J

CALL CHGHOME

CHOICE=K

CALL CHGAUTO

CHOICE=L

CALL CHGFARM

END

CHOICE=Q

②

①

②
***************MAIN PROGRAM***************

* THIS IS THE MAIN PROGRAM. ALL SUB-PROGRAMS ARE CALLED FROM THIS PROGRAM. AFTER EXECUTION OF THE * SUB-PROGRAM IS COMPLETE, CONTROL IS PASSED BACK TO * THIS PROGRAM. CONTROL IS PASSED BACK TO THE SYSTEM BY ENTERING A 'Q' WHEN PROMPTED.

***********************************************
CLEAR
SET COLOR TO 6/1,7/4,1
SET TALK OFF
DO WHILE .T.
CLEAR

UMANAS AGENCIES

A> ADD TO HOMEDOWNER FILE
B> ADD TO AUTO FILE
C> ADD TO FARM FILE
D> LOOK UP HOMEDOWNERS
E> LOOK UP FARM POLICY
F> LOOK UP AUTO POLICY
G> DELETE HOMEDOWNERS
H> DELETE AUTO POLICY
I> DELETE FARM POLICY
J> CHANGE HOMEDOWNERS
K> CHANGE AUTO POLICY
L> CHANGE FARM POLICY

PICK A-L TO EXECUTE, Q TO QUIT

***********************************************
ACCEPT 'PLEASE ENTER YOUR CHOICE, AND PRESS <RETURN>:' TO CHOICE

DO CASE
CASE CHOICE = 'A'
   DO ADDHOME
CASE CHOICE = 'B'
   DO ADDAUTO
CASE CHOICE = 'C'
   DO ADDFARM
CASE CHOICE = 'D'
   DO LOOKHOME
CASE CHOICE = 'E'
   DO LOOKFARM
CASE CHOICE = 'F'
   DO LOOKAUTO
CASE CHOICE = 'G'
   DO DELHOME
CASE CHOICE = 'H'
   DO DELAUTO
CASE CHOICE = 'I'
   DO DELFARM
CASE CHOICE = 'J'
   DO CHGHOME
CASE CHOICE = 'K'
   DO CHGAUTO
CASE CHOICE = 'L'
   DO CHGFARM
CASE UPPER(CHOICE)='Q'
   RETURN
ENDCASE CHOICE

END
ADD LOGIC

1. CLEAR THE SCREEN

MAIN LOOP

2. OPEN FILE

3. OPEN INDEX FILE

4. CLEAR THE SCREEN

5. ADD A RECORD TO THE FILE

6. CLEAR THE SCREEN

7. SCREEN MESSAGE: ASK IF USER WANTS TO CONTINUE PROCEDURE

END OF MAIN LOOP

8. REINDEX INDEX FILE

9. END THE ADD PROCEDURE

10. RETURN TO THE MAIN MENU
* THIS COMMAND FILE ADDS NEW RECORDS TO THE HOMEOWNER FILE *

SET TALK OFF
CLEAR
VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
USE HOMEOWN
SET INDEX TO NAMES
PACK
APPEND
CLEAR
@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 15,13 SAY 'ENTER S TO STOP AND RETURN TO MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE, PRESS <RETURN>' TO VAR
ENDDO VAR
PACK
RETURN
END ADDHOME
* THIS COMMAND FILE ADDS RECORDS TO THE AUTOWNERS FILE *

SET TALK OFF
CLEAR
VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
USE AUTOPOL
SET INDEX TO LNAME
CLEAR
APPEND
CLEAR
@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 16,13 SAY 'ENTER S TO STOP AND RETURN TO THE MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>:' TO VAR
ENDDO VAR
PACK
RETURN
END ADDAUTO
*****************************************************
* THIS COMMAND FILE ADDS RECORDS TO THE FARMOWNERS FILE *
*****************************************************
set talk off
clear
var = 'c'
do while upper(var) = 'c'
use farmpol
set index to last
clear
append
@14,13 say 'enter c to continue this procedure'
@16,13 say 'enter s to stop and return to main menu'
accept 'please enter your choice, press <return>;' to var
enddo var
pack
return
end addfarm
LOOK-UP LOGIC

1. CLEAR THE SCREEN
2. OPEN THE FILE
3. OPEN THE INDEX FILE
4. REINDEX THE INDEX FILE

MAIN LOOP

5. CLEAR THE SCREEN
6. MANUAL INPUT OF LAST NAME
7. SEARCH FOR THE APPROPRIATE NAME
8. IF END OF THE FILE
   SCREEN MESSAGE: NAME NOT FOUND
9. ACCEPT A RETURN TO CONTINUE
10. ELSE
    INNER LOOP: DO UNTIL THE CORRECT NAME IS FOUND
11. CLEAR THE SCREEN
12. SCREEN MESSAGES: NAME AND BRIEF RECORD DESCRIPTION
13. IF IT IS NOT THE RIGHT PERSON
    MOVE POINTER TO THE NEXT RECORD
    ELSE (RIGHT PERSON IS FOUND)
    SCREEN DISPLAY OF ENTIRE RECORD
    ACCEPT A RETURN TO CONTINUE
    END INNER LOOP
14. CLEAR THE SCREEN
15. SCREEN MESSAGE: ASK IF USER WANTS TO CONTINUE PROCEDURE

16. END LOOK-UP PROCEDURE

17. RETURN TO MAIN MENU
LOOK-UP SYSTEMS FLOW

START

INPUT OF LAST NAME

HOMEBORN
AUTOPOL
FARMPOL

LOCKHOME
LOCKAUTO
LOCKFARM

DISPLAY TO SCREEN
THIS COMMAND FILE LOOKS UP A RECORD IN THE HOMEOWNER'S FILE.

CLEAR
GET HOMEDIR
SET INDEX TO NAMES
VAR = 'L
DO WHILE UPPER(VAR) = 'G'
CLEAR
GREET 'PLEASE ENTER LAST NAME: TO FIND THIS RECORD'
IF EOF() THEN
DO 'A SAY 'NO RECORD NOT FOUND
ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE TO SEARCH'
ELSE
VAR = AT
DO WHILE (GOFOR) = N
CLEAR
@ 12.5 SAY 'IS THE INFORMATION CORRECT?'
@ 14.1 GET LAST_NAME
@ 14.13 GET FIRST_NAME
@ 14.25 GET STREET_ADDR
@ 15.10 SAY 'IF SO PLEASE ENTER Y, PRESS <RETURN>.'
@ 15.10 SAY 'IF NOT PLEASE ENTER N, PRESS <RETURN>.'
ACCEPT 'PLEASE ENTER YOUR CHOICE: ' TO GOFOR
IF GOFOR = Y THEN
ENDIF
ELSE
CLEAR
@ 1.30 SAY 'HOMEOWNER INFORMATION'
@ 2.9 SAY NAME
@ 2.47 SAY STREET
@ 2.49 SAY CITY
@ 2.48 SAY STATE
@ 2.45 SAY ZIP
@ 2.67 SAY PHONE
@ 5.1 SAY COMPANY
@ 4.1 SAY POLICY NUMBER
@ 4.45 SAY PREMIUMS
@ 4.64 SAY PROTECTION
@ 5.44 SAY 'BASIC'
@ 5.44 SAY 'OTHER'
@ 7.6 SAY 'COVERAGES'
@ 7.44 SAY 'SCHEDULED'
@ 20.11 GET ENDS
@ 21.11 GET ENDS
@ 22.11 GET ENDS
@ 23.11 GET ENDS
@ 24.11 GET ENDS
ACCEPT PLEASE PRESS <RETURN> TO CONTINUE, TO PULL
ENDIF
ENDDO UDFOR
ENDIF
CLEAR
@ 14.15 SAY "ENTER D TO CONTINUE THIS PROCEDURE."
@ 15.15 SAY "ENTER S TO STOP AND RETURN TO MAIN MENU."
ACCEPT PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>:
ENDDO VAR
RETURN
END CATCHMORE
<table>
<thead>
<tr>
<th>ROW</th>
<th>COLUMN</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>AUTOMOBILE POLICY INFORMATION</td>
</tr>
<tr>
<td>02</td>
<td>NAME</td>
</tr>
<tr>
<td>03</td>
<td>ADDRESS</td>
</tr>
<tr>
<td>04</td>
<td>PHONE</td>
</tr>
<tr>
<td>05</td>
<td>POLICY FROM, POLICY TO, POLICY NUMBER, COMPANY</td>
</tr>
<tr>
<td>06</td>
<td>COVERAGE</td>
</tr>
<tr>
<td>07</td>
<td>DRIVER INFORMATION</td>
</tr>
<tr>
<td>08</td>
<td>BODILY INJURY</td>
</tr>
<tr>
<td>09</td>
<td>LIMIT PER PERSON</td>
</tr>
<tr>
<td>10</td>
<td>LIMIT PER ACCIDENT</td>
</tr>
<tr>
<td>11</td>
<td>PROPERTY DAMAGE</td>
</tr>
<tr>
<td>12</td>
<td>LIMIT PER ACCIDENT</td>
</tr>
<tr>
<td>13</td>
<td>UNINSURED MOTORIST</td>
</tr>
<tr>
<td>14</td>
<td>LIMIT PER PERSON</td>
</tr>
<tr>
<td>15</td>
<td>BOD INJ. LIMIT PER PERSON</td>
</tr>
<tr>
<td>16</td>
<td>BOD INJ. LIMIT PER PERSON</td>
</tr>
<tr>
<td>17</td>
<td>MEDICAL PAYMENTS</td>
</tr>
<tr>
<td>18</td>
<td>LIMIT PER PERSON</td>
</tr>
<tr>
<td>19</td>
<td>ACTUAL CASH VALUE</td>
</tr>
<tr>
<td>20</td>
<td>COMPENSATIVE</td>
</tr>
<tr>
<td>21</td>
<td>DEDUCTIBLE</td>
</tr>
<tr>
<td>22</td>
<td>COLLISION</td>
</tr>
<tr>
<td>23</td>
<td>DEDUCTIBLE</td>
</tr>
<tr>
<td>24</td>
<td>TOWING</td>
</tr>
<tr>
<td>25</td>
<td>LIMIT PER DISABLEMENT</td>
</tr>
<tr>
<td>26</td>
<td>TOTAL PREMIUM DUE: $</td>
</tr>
</tbody>
</table>

**Values:**
- **Driver Information:** MAR'S/K.
- **Premiums:** Various amounts indicated.
* THIS COMMAND FILE LOOKS UP A RECORD IN THE AUTO *
* POLICY FILE. *

SET TALK OFF
CLEAR
USE AUTOPO
SET INDEX TO LNAME
PACK

VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
CLEAR
INPUT 'PLEASE ENTER LAST NAME:' TO FROG
FIND &FROG
IF EOF()
   CLEAR
   @ 13,13 SAY 'NAME NOT FOUND'
   ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO WOP
ELSE
   GOFOR = 'N'
   DO WHILE (GOFOR) = 'N'
   CLEAR
   @ 7,5 SAY 'IS THIS THE CORRECT RECORD?'
   @ 12,3 GET LAST_NAME
   @ 12,24 GET FIRST_NAME
   @ 12,36 GET CAR_YEAR
   @ 12,39 GET TRADE_NAME
   @ 12,50 GET BODY_STYLE
   @ 14,5 SAY 'IF SO PLEASE ENTER Y, PRESS <RETURN>,'
   @ 15,5 SAY 'IF NOT PLEASE ENTER N, PRESS <RETURN>,'
   ACCEPT 'PLEASE ENTER YOUR CHOICE:' TO GOFOR
   IF GOFOR = 'N'
      SKIP
   ELSE
      CLEAR
      @ 1,26 SAY 'AUTOMOBILE POLICY INFORMATION'
      @ 2,12 SAY 'NAME'
      @ 2,44 SAY 'ADDRESS'
      @ 4,5 SAY 'PHONE'
      @ 4,21 SAY 'POLICY FROM POLICY TO'
      @ 4,44 SAY 'POLICY NUMBER'
      @ 4,59 SAY 'COMPANY'
      @ 7,16 SAY 'COVERAGES'
      @ 7,45 SAY 'DRIVER INFORMATION'
      @ 8,1 SAY 'BODILY INJURY'
      @ 8,26 SAY 'PREMIUM $'
      @ 9,3 SAY 'LIMIT PER PERSON'
      @ 9,42 SAY 'DRIVER OR TR B-DAY MAR SEX'
      @ 10,3 SAY 'LIMIT PER ACCIDENT'
      @ 10,44 SAY '1'
      @ 11,1 SAY 'PROPERTY DAMAGE'
@ 11,26 SAY 'PREMIUM $'
@ 11,44 SAY '2.'
@ 12,3 SAY 'LIMIT PER ACCIDENT'
@ 12,44 SAY '3.'
@ 13,1 SAY 'UNINSURED MOTORIST'
@ 13,26 SAY 'PREMIUM $'
@ 13,44 SAY '4.'
@ 14,3 SAY 'BOD INJ LIMIT PER PERSON'
@ 14,48 SAY 'CAR INFORMATION'
@ 15,3 SAY 'BOD INJ LIMIT PER ACCIDENT'
@ 15,41 SAY 'STATE TERRITORY YEAR TRADE NAME'
@ 16,3 SAY 'LIMIT PER PERSON'
@ 16,48 SAY 'PREMIUM $'
@ 16,57 SAY '19.'
@ 17,3 SAY 'LIMIT PER PERSON'
@ 17,41 SAY 'BODY STYLE ID NUMBER'
@ 18,3 SAY 'ACTUAL CASH VALUE'
@ 19,3 SAY 'COMPREHENSIVE'
@ 19,26 SAY 'PREMIUM $'
@ 19,41 SAY 'LIEN LIENHOLDER'
@ 20,3 SAY 'DEDUCTIBLE'
@ 21,3 SAY 'COLLISION'
@ 21,26 SAY 'PREMIUM $'
@ 21,41 SAY 'SHOW USE CODE SYM/COST NEW'
@ 22,3 SAY 'DEDUCTIBLE'
@ 23,3 SAY 'TOWING'
@ 23,26 SAY 'PREMIUM $'
@ 24,3 SAY 'LIMIT PER DISABLEMENT'
@ 24,46 SAY 'TOTAL PREMIUM DUE: $'
@ 3,1 GET LAST_NAME
@ 3,18 GET FIRST_NAME
@ 3,29 GET STREET_ADD
@ 3,47 GET CITY
@ 3,59 GET STATE
@ 3,63 GET ZIP
@ 5,1 GET PHONE
@ 5,23 GET POLC_FROM
@ 5,34 GET POLC_TO
@ 5,44 GET POLC_NUM
@ 5,59 GET COMPANY
@ 8,35 GET BOD_INJ_PM
@ 9,33 GET BI_LIM_PER
@ 10,33 GET BI_LIM_ACC
@ 10,51 GET DRIVER1_DT
@ 10,57 GET DRIVER1_BD
@ 10,62 GET DRIVER1_MD
@ 10,66 GET DRIVER1_SX
@ 11,35 GET PR_DAM_PRE
@ 11,51 GET DRIVER2_DT
@ 11,57 GET DRIVER2_BD
@ 11,62 GET DRIVER2_MD
@ 11,66 GET DRIVER2_SX
@ 12,33 GET PD_LIM_ACC
@ 12,51 GET DRIVER3_DT
@ 12,57 GET DRIVER3_BD
@ 12,62 GET DRIVER3_MD
@ 12,66 GET DRIVER3_SX
@ 13,35 GET UM_PREM
@ 13,51 GET DRIVER4_DT
@ 13,57 GET DRIVER4_BD
@ 13,62 GET DRIVER4_MD
@ 13,66 GET DRIVER4_SX
@ 14,33 GET UMBILIM_PR
@ 15,33 GET UMBILIM_AC
@ 16,35 GET MEDPAY_PRE
@ 16,43 GET STATE_CAR
@ 16,50 GET TERR_CAR
@ 16,59 GET CAR_YEAR
@ 16,62 GET TRADE_NAME
@ 17,33 GET MEDPYLIM_P
@ 18,41 GET BODY_STYLE
@ 18,53 GET ID_NUMBER
@ 19,35 GET ACVCOMPRE
@ 20,33 GET ACV_Deduct
@ 20,42 GET Lien
@ 20,46 GET Lien_Hold
@ 21,35 GET COLL_PREM
@ 22,33 GET COLL_DED
@ 22,44 GET USE_CODE
@ 23,59 GET SYMCOST
@ 23,35 GET TOW_PREM
@ 24,33 GET TPLIM_PERS
@ 24,67 GET TOTAL_PREM
ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO CDT
ENDIF
ENDDO G$FOR
CLEAR
ENDIF
@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 16,13 SAY 'ENTER S TO STOP AND RETURN TO MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>:' TO VAR
ENDDO VAR
RETURN
END LOOKAUTO
FILE LOOVS UP A RECORD IN THE FARMOWNERS FILE.

SET TALK OFF
CLEAR
USE FARMPOL
SET INDEX TO LAST
PACK
VAR = 'C'
DO WHILE UPPERCASE(VAR) = 'C'
CLEAR
INPUT 'PLEASE ENTER LAST NAME:' TO FIND_THIS
FIND &FIND_THIS
IF EOF()
@13,13 SAY 'NAME NOT FOUND'
ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO SERF
ELSE
GOFOR = 'N'
DO WHILE (GOFOR) = 'N':
CLEAR
@ 12,5 SAY 'IS THE INFORMATION CORRECT?'
@ 14,1 GET LAST_NAME
@ 14,10 GET FIRST_NAME
@ 12,10 SAY 'IF SO PLEASE ENTER Y, PRESS <RETURN>,'
@ 15,10 SAY 'IF NOT PLEASE ENTER N, PRESS <RETURN>,'
ACCEPT 'PLEASE ENTER YOUR CHOICE:' TO GOFOR
IF GOFOR = 'N'
SKIP
ELSE
CLEAR
@ 6,29 SAY 'FARM POLICY INFORMATION'
@ 9,25 SAY 'NAME'
@ 9,52 SAY 'POLICY NUMBER'
@ 14,21 SAY 'TOTAL COVERAGE'
@ 14,54 SAY 'PREMIUM'
@ 10,7 GET LAST_NAME
@ 10,30 GET FIRST_NAME
@ 10,51 GET POLC_NUM
@ 15,24 GET TOT_COV
@ 15,53 GET PREMIUM
ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE'
ENDIF
ENDDO GOFOR
CLEAR
ENDIF
@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 16,13 SAY 'ENTER S TO STOP AND RETURN TO MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>:' TO VAR
ENDDO VAR
RETURN
END LOOKFARM
DELETE LOGIC

1. CLEAR THE SCREEN
2. OPEN THE FILE
3. OPEN THE INDEX FILE
4. REINDEX THE INDEX FILE

MAIN LOOP
5. CLEAR THE SCREEN
6. MANUAL INPUT OF LAST NAME
7. SEARCH FOR APPROPRIATE NAME
8. IF END OF FILE
   SCREEN MESSAGE: NAME NOT FOUND
   ACCEPT A RETURN TO CONTINUE
ELSE
   INNER LOOP: DO UNTIL CORRECT NAME IS FOUND
9. SCREEN MESSAGE: NAME AND BRIEF RECORD DESCRIPTION
10. IF IT IS NOT THE RIGHT PERSON
    MOVE THE POINTER TO THE NEXT RECORD
ELSE
    DELETE THE RECORD
END OF INNER LOOP

11. SCREEN MESSAGE: ASK IF USER WANTS TO CONTINUE PROCEDURE
END OF MAIN LOOP

12. END OF DELETE PROGRAM, RETURN TO MAIN MENU
DELETE SYSTEMS FLOW

START

INPUT OF LAST NAME

DELAUTO DELHOME DELFARM

FILE FROM DELETE

HOMEBOWN AUTOPOL FARM POL
* THIS COMMAND FILE DELETES A RECORD FROM THE HOME-OWNERS FILE.

SET TALK OFF
CLEAR
USE HOMEDOWN
SET INDEX TO NAMES
PACK
VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
CLEAR
INPUT 'PLEASE ENTER LAST NAME TO DELETE:' TO FINDS
FIND &FINDS
IF EOF()
   @ 15,13 SAY 'NAME NOT FOUND'
   ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO VAR
ELSE
   GOFOR = 'C'
   DO WHILE (GOFOR) = 'C'
   CLEAR
   @ 12,5 SAY 'IS THIS THE RECORD THAT YOU WANT TO DELETE?'
   @ 14,1 GET LAST_NAME
   @ 14,15 GET FIRST_NAME
   @ 14,25 GET STREET_ADD
   @ 15,10 SAY 'IF SO PLEASE ENTER S, PRESS <RETURN>,'
   @ 15,10 SAY 'IF NOT PLEASE ENTER C, PRESS <RETURN>,'
   ACCEPT 'PLEASE ENTER YOUR CHOICE:' TO GOFOR
   IF GOFOR = 'C'
      SKIP
   ELSE
      DELETE
      PACK
   ENDDO
   ENDDO GOFOR
CLEAR
ENDDO
ENDDO

@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 16,13 SAY 'ENTER S TO STOP AND RETURN TO MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE:' TO VAR
ENDDO VAR
RETURN
ENDDO DELHOME
* THIS COMMAND FILE DELETES A RECORD FROM THE FARM-OWNER'S FILE.

SET TALK OFF
CLEAR
USE FARMPOL
SET INDEX TO LAST
PACK
VAR = 'C'
DO WHILE UPPR(VAR) = 'C'
CLEAR
INPUT 'PLEASE ENTER LAST NAME OF CLIENT TO DELETE: ' TO FIND &FINDER
IF EOF()
   @ 15,13 SAY 'NAME NOT FOUND'
   ACCEPT PLEASE PRESS <RETURN> TO CONTINUE TO POLM
ELSE
   UFOR = 'N'
   DO WHILE (UFOR) = 'N'
   CLEAR
   @ 12,15 SAY 'IS THIS THE INFORMATION THAT YOU WANT TO DELETE?'
   @ 14,1 GET LAST_NAME
   @ 14,12 GET FIRST_NAME
   @ 15,10 SAY IF SO PLEASE ENTER Y, PRESS <RETURN>
   @ 15,10 SAY IF NOT PLEASE ENTER N, PRESS <RETURN>
   ACCEPT 'PLEASE ENTER YOUR CHOICE: ' TO UFOR
   IF UFOR = 'N'
      SKIP
   ELSE
      DELETE
      PACK
   ENDIF
ENDDO UFOR
ENDDO GOFOR
CLEAR
ENDIF
CLEAR
@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 15,13 SAY 'ENTER S TO STOP AND RETURN TO MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>: ' TO VAR
ENDDO VAR
RETURN
ENDDO DELFARM
* THIS COMMAND FILE DELETES A RECORD FROM THE AUTO-OWNER'S FILE.

SET TALK OFF
CLEAR
USE AUTOOWNER
SET INDEX TO LNAME
PACK
VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
  CLEAR
  INPUT 'PLEASE ENTER LAST NAME OF CLIENT TO DELETE:' TO FIN
  FIND &FIN
  IF EOF()
    @ 15,13 SAY 'NAME NOT FOUND'
    ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO BUD
  ELSE
    GOFOR = 'N'
    DO WHILE GOFOR = 'N'
      CLEAR
      @ 12,5 SAY 'IS THIS THE RECORD THAT YOU WANT TO DELETE?'
      @ 14,5 GET LAST_NAME
      @ 14,15 GET FIRST_NAME
      @ 14,25 GET CAR_YEAR
      @ 14,28 GET TRADE_NAME
      @ 14,36 GET BODY_STYLE
      @ 15,10 SAY 'IF SO PLEASE ENTER Y, PRESS <RETURN>.'
      @ 16,10 SAY 'IF NOT PLEASE ENTER N,PRESS <RETURN>.'
      ACCEPT 'PLEASE ENTER YOUR CHOICE:' TO GOFOR
      IF GOFOR = 'Y'
        SKIP
      ELSE
        DELETE
        PACK
      ENDF
      ENDDO GOFOR
    CLEAR
    ENDDO
    @ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
    @ 15,13 SAY 'ENTER S TO STOP AND RETURN TO THE MAIN MENU'
    ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>:' TO VAR
    ENDDO VAR
    RETURN
END DELAUTO
EDIT LOGIC

1. CLEAR THE SCREEN
2. OPEN THE FILE
3. OPEN THE INDEX FILE
4. REINDEX THE INDEX FILE

MAIN LOOP
5. CLEAR THE SCREEN
6. MANUAL INPUT OF LAST NAME
7. SEARCH FOR THE APPROPRIATE NAME
8. IF END OF FILE
    SCREEN MESSAGE: NAME NOT FOUND
    ACCEPT A RETURN TO CONTINUE
ELSE
    INNER LOOP: DO UNTIL CORRECT NAME IS FOUND
10. CLEAR THE SCREEN
11. SCREEN MESSAGE: NAME AND BRIEF RECORD DESCRIPTION
12. IF IT IS NOT THE RIGHT PERSON
    MOVE THE POINTER TO THE NEXT RECORD
ELSE
    EDIT THE RECORD
    CLEAR THE SCREEN
END OF INNER LOOP
13. SCREEN MESSAGE: ASK IF USER WANTS TO CONTINUE PROCEDURE
END OF MAIN LOOP

14. END OF EDIT PROGRAM

15. RETURN TO THE MAIN MENU
EDIT SYSTEMS FLOW

START

INPUT OF LAST NAME

HOMEOWN AUTOPOL FARMPOL

CHGHOME CHGAUTO CHGFARM

EDIT THE RECORD
* THIS COMMAND FILE EDITS A RECORD IN THE HOMEOWNER'S FILE.

SET TALK OFF
CLEAR
USE HOMEOWN
SET INDEX TO NAMES
PACK
VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
CLEAR
INPUT 'PLEASE ENTER LAST NAME OF CLIENT TO CHANGE: ' TO EDR
FIND 2EDR
IF EOF()
  CLEAR
  @ 15,13 SAY 'NAME NOT FOUND'
  ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO POSS
ELSE
  GOFOR = 'C'
  DO WHILE (GOFOR) = 'C'
  CLEAR
  @ 12,5 SAY 'IS THIS THE RECORD THAT YOU WANT TO EDIT?'
  @ 14,1 GET LAST_NAME
  @ 14,15 GET FIRST_NAME
  @ 14,25 GET STREET_ADD
  @ 15,10 SAY IF SO PLEASE ENTER S, PRESS <RETURN>'
  @ 15,10 SAY IF NOT PLEASE ENTER C, PRESS <RETURN>'
  ACCEPT 'PLEASE ENTER YOUR CHOICE: ' TO GOFOR
  IF GOFOR = 'C'
    SKIP
  ELSE
    EDIT
  ENDIF
ENDDO GOFOR
CLEAR
ENDIF
@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 16,13 SAY 'ENTER S TO STOP AND RETURN TO THE MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>: ' TO VAR
ENDDO VAR
RETURN
ENDDO CHGHOME
***************

* THIS COMMAND FILE EDITS A RECORD FROM THE AUTOWNERS*
* FILE. *
*

***************

SET TALK OFF
CLEAR
USE AUTOPOL
SET INDEX TO LNAME
PACK
VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
    CLEAR
    INPUT 'PLEASE ENTER LAST NAME OF CLIENT TO CHANGE:' TO ED
    FIND ED
    IF EOF()
        CLEAR
        @ 15,13 SAY 'NAME NOT FOUND'
        ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO POLO
    ELSE
        GOFOR = 'N'
        DO WHILE (GOFOR) = 'N'
            CLEAR
            @ 12,5 SAY 'IS THIS THE RECORD THAT YOU WANT TO EDIT?'
            @ 14,1 GET LAST_NAME
            @ 14,17 GET FIRST_NAME
            @ 14,30 GET CAR_YEAR
            @ 14,33 GET TRADE_NAME
            @ 14,41 GET BODY_STYLE
            @ 15,10 SAY 'IF SO ENTER Y, PRESS <RETURN>'
            @ 15,10 SAY 'IF NOT ENTER N, PRESS <RETURN>'
            ACCEPT 'PLEASE ENTER YOUR CHOICE:' TO GOFOR
            IF GOFOR = 'N'
                SKIP
            ELSE
                EDIT
            ENDIF
        ENDOO GOFOR
        CLEAR
        ENDOIF
        @ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
        @ 15,13 SAY 'ENTER S TO STOP AND RETURN TO MAIN MENU'
        ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>:' TO VAR
    ENDOO VAR
RETURN
ENDDO CHGAUTO
** Command File is used to edit a record in the Farm Policy file.**

SET TALK OFF
CLEAR
USE FARMPOL
SET INDEX TO LAST
PACK
VAR = 'C'
DO WHILE UPPER(VAR) = 'C'
CLEAR
INPUT 'PLEASE ENTER LAST NAME OF CLIENT TO CHANGE: ' TO EDY
FIND &EDY
IF EOF()
CLEAR
@ 15,13 SAY 'NAME NOT FOUND'
ACCEPT 'PLEASE PRESS <RETURN> TO CONTINUE' TO JUNK
ELSE
GOFOR = 'N'
DO WHILE (GOFOR) = 'N'
CLEAR
@ 12,5 SAY 'IS THIS THE RECORD THAT YOU WANT TO EDIT?'
@ 14,1 GET LAST_NAME
@ 14,15 GET FIRST_NAME
@ 15,10 SAY 'IF SO ENTER Y, PRESS <RETURN>:'
@ 15,10 SAY 'IF NOT ENTER N, PRESS <RETURN>:'
ACCEPT 'PLEASE ENTER YOUR CHOICE' TO GOFOR
IF GOFOR = 'Y'
SKIP
ELSE
EDIT
ENDIF
ENDDO GOFOR
CLEAR
ENDIF
@ 14,13 SAY 'ENTER C TO CONTINUE THIS PROCEDURE'
@ 14,13 SAY 'ENTER S TO STOP AND RETURN TO MAIN MENU'
ACCEPT 'PLEASE ENTER YOUR CHOICE AND PRESS <RETURN>:' TO VAR
ENDDO VAR
RETURN
ENDDO CHGFARM
CONCLUSION

I believe that this Honor's Thesis has been very interesting and rewarding in many aspects. First, I have had the opportunity to become familiar with and gain much needed knowledge about the generation of computers—the microcomputer. I now believe that I could be a very efficient microcomputer programmer, as a result of my experience. Second, I now have a sample of my computer work to show to future employers, of which I am sure that they will be well pleased. And last, I have produced a product that can be used for a "real world" application. This last aspect has been very rewarding for me. I feel that doing this independent study project will prove useful in the years to come.