


A Database Management Project Using Dbase III

A Creative Project (ID 499)

by

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(advisor's signature)

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Muncie, Indiana

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Future considerations of this project may involve the following:

1. An option for the user to change the colors on the screen before entering the system.
2. A Help File which the user could use to find out what the faculty codes are for each faculty member of the School of Music.
3. A counting mechanism which would remind the user to backup the database after a certain number of records are in the database.

SCHOOL OF MUSIC

PROPOSAL

PURPOSE

The purpose of this project is to computerize the current registration procedure used by the School of Music personnel. The new system will be primarily menu-driven and user-friendly. The database system will consist of three major database files: one containing student information, one containing faculty information, and one containing registration information. The system will consist of five major menus allowing the user to add, change, and delete student and faculty information, update and print course registration information, print faculty load reports, and backup current database files.

The project will consist of three phases as follows:

PHASE I

Program, develop, and design the three major databases and the five major menus as well as their respective submenus. This will serve as a prototype which will be demonstrated to the School of Music personnel after this phase is completed.

PHASE II

Program and develop the actual code to manipulate the database files through the menu-driven interface.

PHASE III

Thoroughly test, document, and install the database system. When the system is completed, demonstrate and train the users using the documentation provided.

ESTIMATED COST AND TIMETABLE

The project will be paid in partial payments corresponding to each of the three phases. The estimated amount of hours and cost for each phase is as follows:

PHASE I

10 hours @ \$6.00/hour = \$60.00

This payment will be due when Phase I is completed and demonstrated during the week of April 28, 1986.

PHASE II

30 hours @ \$6.00/hour = \$180.00

This payment will be due upon completion of this phase during the week of June 9, 1986.

PHASE III

15 hours @ \$6.00/hour = \$90.00

This payment will be due upon completion of the project during the week of June 23, 1986. Further modifications will be billed at the rate of \$6.00/hour.

TOTAL COST

55 hours @ \$6.00/hour = \$330.00

DOCUMENTATION AND SCREEN LAYOUTS

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DOCUMENTATION FOR THE MAIN MENU

YOU WILL SEE	YOU WILL DO
1. Main Menu will appear and will display the six menu options along with the option to exit.	1. Type 1 to access the Student Menu and press Enter. Type 2 to access the Faculty Menu and press Enter. Type 3 to access the Registration Menu and press Enter. Type 4 to access the Faculty Class Lists Menu and press Enter. Type 5 to access the Backup Menu and press Enter. Type 6 to Create a New Database and press Enter. or Type 0 to Exit.

M A I N M E N U

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- 1. STUDENT INFORMATION
- 2. FACULTY INFORMATION
- 3. REGISTRATION INFORMATION
- 4. FACULTY CLASS LISTS
- 5. BACKUP DATABASES
- 6. CREATE NEW DATABASE

- 0. EXIT

select 0

Command

|<C:>|AUT86

|Rec: 1/20

|

|

Caps

DOCUMENTATION FOR THE STUDENT MENU

YOU WILL SEE	YOU WILL DO
1. The Student Menu will appear displaying four menu options along with the option to exit.	1. Type 1 to add a new student and press Enter.
2. A screen will be displayed asking the user to enter the new student's social security number and press Enter.	2. If the student has not been previously entered, a screen will appear in which the user should type in each of the designated fields, pressing enter after each. After the last field is entered (Degree), press CTRL-END to save the information. DO NOT PRESS ENTER OR THE INFORMATION WILL BE LOST !!! After the student's information has been entered and CTRL-END has been pressed, the screen asking for student's social security number will appear again. Press enter to return to the Student Menu.
3. The Student Menu will appear.	3. Type 2 to change a student's information and press Enter.
4. A screen will appear asking the user to enter the student's social security number and press Enter.	4. Type in the social security number and press Enter.
5. If an incorrect social security number has been entered, an error message will appear and the computer will return to the Student Menu. If a correct social security number has been entered, a screen will appear displaying the student's information.	5. Use the Enter key to move from one field to another and type in the desired changes. To save the changes or leave this screen, press CTRL-END. DO NOT PRESS ENTER OR THE INFORMATION WILL BE LOST!!! After the changes have been made and CTRL-END has been pressed, the screen asking for the student's social security number will appear again. Press Enter to return to the Student Menu.

DOCUMENTATION FOR THE STUDENT MENU

YOU WILL SEE	YOU WILL DO
6. The Student Menu will appear.	Type 3 to delete a student's information and press Enter.
7. A screen will appear asking the user to enter the student's social security number and press Enter.	7. Type in the social security number and press Enter.
8. If the student's information already exists, a screen will appear displaying the student's information. If the student's information does not previously exist, an error message will appear saying that the student was not found.	8. If the user is sure he/she wants to delete the student's information, type 'Y' and press Enter. If the user decides not to delete the student's information, type 'N' and press Enter and the information will not be deleted. If the user typed a 'Y', a screen will appear saying 'RECORD HAS BEEN DELETED' and press any key to continue. If the user typed 'N' a screen will appear saying 'RECORD NOT DELETED' and press any key to continue.
9. The screen will appear asking the user to enter the student's social security number.	9. Press Enter when finished deleting students.
10. The Student Menu will appear.	10. Type 4 to look at the information on several students at a time. Use the cursor keys to move from field to field and record to record. Press ESC to exit from this screen and return to the Student Menu.

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*-----*
|               S T U D E N T   I N F O R M A T I O N               |
|-----|
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- 1. ADD INFORMATION
- 2. CHANGE INFORMATION
- 3. REMOVE INFORMATION
- 4. REVIEW INFORMATION

- 0. EXIT

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*-----*
|----- select 0 -----|
*-----*
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Command

|<C:>|ZSTUDENT

|Rec: 6/6

|

|

Caps

ADD NEW STUDENT

PLEASE ENTER STUDENT SOCIAL SECURITY NUMBER 111-11-1111

Command

|<C:>|ZSTUDENT

|Rec: 6/6

|

|

Caps

FIRST NAME : LAST NAME :

SOCIAL SECURITY NO. : 111-11-1111

ADDRESS: CITY: STATE:

ZIP: PHONE: / -

DEGREE:

PRESS CTRL-END AFTER ENTERING ALL OF STUDENT'S INFORMATION

APPEND

!<C:>!ZSTUDENT

!Rec: EOF/6

!

!

Caps

CHANGE STUDENT INFORMATION

PLEASE ENTER SOCIAL SECURITY NUMBER 111-11-1111

Command

|<C:>|ZSTUDENT

|Rec: 4/5

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|

FIRST NAME: KATHY LAST NAME: JOHNSON

SOCIAL SECURITY NO.: 111-11-1111

ADDRESS: 111 ELM ST. CITY: MERRILLVILLE STATE: IN

ZIP: 47332 PHONE: 218/553-1818

DEGREE: ASSOCIATE

PRESS CTRL-END TO SAVE AND EXIT; PRESS ESC TO EXIT

EDIT

|<C:>|ZSTUDENT

|Rec: 4/5

| |

DELETE STUDENT

PLEASE ENTER SOCIAL SECURITY NUMBER 111-11-1111

Command

|<B:>|ZSTUDENT

|Rec: 4/5

|

|

FIRST NAME: KATHY

LAST NAME: JOHNSON

SOCIAL SECURITY NO.: 111-11-1111

ADDRESS: 111 ELM ST.

CITY: MERRILLVILLE

STATE: IN

ZIP: 47332

PHONE: 218/553-1818

DEGREE: ASSOCIATE

IS THIS THE RECORD YOU WISH TO DELETE? (Y/N)

READ

|<B:>|ZSTUDENT

|Rec: 4/5

| |

RECORD HAS BEEN DELETED

Command !<C:>!ZSTUDENT
Press any key to continue...

!Rec: 4/6

!

!

Caps

RECORD NOT DELETED

Command |<B:>|ZSTUDENT
Press any key to continue...

|Rec: 4/5 | |

VIEW STUDENT DATABASE

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*-----*
| CURSOR  <-- --> |          UP   DOWN   |   DELETE   | Insert Mode:  Ins |
|          | Char:  Del  | Exit:      | ^End   |
| Field: Home End | Page:  PgUp PgDn  | Field:  ^Y   | Abort:      Esc |
| Pan:      ^   | Help:    F1      | Record: ^U   | Set Options: ^Home |
*-----*

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SSN----- FNAME----- LNAME----- ADDR----- CITY-----
111-11-1111 KATHY          JOHNSON      111 ELM ST.   MERRILLVILLE
222-22-2222 JAMES          BROWN        250 FIFTH STREET YORKTOWN
305-86-3377 KATHERINE      HARRIS       RR1,BOX 79    FARMLAND
333-33-3333 JANE           SMITH        RR1           MUNCIE
444-44-4444 ROBERT         MAIN         205 RESIDENCE PARKER CITY

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BROWSE

|<B:>|ZSTUDENT

|Rec: 4/5

| |

View and edit fields.

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DOCUMENTATION FOR THE FACULTY MENU

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YOU WILL SEE	YOU WILL DO
<p>1. The Faculty Menu will appear displaying four menu options along with the option to exit.</p>	<p>1. Type 1 to add a new faculty member and press Enter. A screen will be displayed asking the user to enter the new faculty's code number and press enter. If the faculty has not been entered previously, a screen will appear in which the user should type in each of the designated fields, pressing Enter after each. After the last field is entered (Phone Number), press CTRL-END to save the information. DO NOT PRESS ENTER OR THE INFORMATION WILL BE LOST!!!</p> <p>After the faculty's information have been entered and CTRL-END has been pressed, the screen asking for the faculty's code number will appear again. Press Enter to return to the Faculty Menu.</p> <p>Type 2 to change a faculty's information and press Enter. A screen will appear asking the user to enter the faculty's code number and press Enter. If an incorrect faculty code number is entered, an error message will appear and the computer will return to the Faculty Menu.</p> <p>If a correct faculty code number is entered, a screen will appear displaying the faculty's information. Use the Enter key to move from one field to another and type in the desired change. To save the changes or leave this screen, go to the last field on the screen (Phone Number) and press CTRL-END. DO NOT PRESS ENTER OF THE INFORMATION WILL BE LOST!!!</p> <p>After the changes have been made and CTRL-END has been pressed, the screen asking for the faculty code number will appear again. Press Enter to return to the Faculty Menu.</p>

DOCUMENTATION FOR THE FACULTY MENU

YOU WILL SEE	YOU WILL DO
1.	<p>Type 3 to delete a faculty's information and press Enter. A screen will appear asking the user to enter the faculty code number and press Enter. If the faculty's information exists, a screen will appear displaying the faculty's information. If the user is sure he/she wants to delete the faculty's information, type Y and press Enter. If the user decides not to delete the information, type N and press Enter and the information will not be deleted. If the user type Y, a screen will appear saying 'RECORD HAS BEEN DELETED' and press and key to continue. If the user typed N, a screen will appear saying 'RECORD NOT DELETED' and press any key to continue.</p> <p>Type 4 to look at the information on several faculty members at a time. Use the cursor keys to move from field to field and record to record. Press ESC to exit from this screen and return to the Faculty Menu.</p>

F A C U L T Y I N F O R M A T I O N

-----*

1. ADD INFORMATION
2. CHANGE INFORMATION
3. REMOVE INFORMATION
4. REVIEW INFORMATION

0. EXIT

----- select 0 -----*

Command

|<C:>|ZFACULTY

|Rec: 1/1

| | | Caps

ADD NEW FACULTY

PLEASE ENTER FACULTY CODE NUMBER 52

Command

|<C:>|ZFACULTY

|Rec: 1/1

|

|

Caps

FIRST NAME: LAST NAME:

SOCIAL SECURITY NO.: - -

FACULTY CODE NUMBER: 52

OFFICE NUMBER: PHONE NUMBER:

PRESS CTRL-END AFTER ENTERING FACULTY INFORMATION

APPEND

!<C:>!ZFACULTY

!Rec: EOF/1

!

!

Caps