

**Database Assignment**  
**DUE date on the Mgmt 386 web site**  
 40 points (individual point values appear in parenthesis)

Start this assignment early-- while the MS-Access information taught in class on February 15th is fresh in your mind.  
 Please do not wait until the last minute to work on this assignment... it is a lengthy one.

**Create the first iteration of an information system for the same organization you are using in your website. This first iteration will include a database.**

You will determine the specific requirements for the database in your information system from your fictional client(s) in your fictional organization.

(1 pt.) Each section must be clearly labeled. For example:

**Analysis**

**Description of client**

**Scope**

**Requirements**

**Design**

**Description of the files**

**Picture of the records in the files**

etc. etc.

The general requirements are as follows:

1. Include at least two different *data* files and three different *report* files in your database.
2. Follow the system development lifecycle for creating this first iteration in the development of the database in your information system.

**Analysis**

- A. (3) Describe the client group for which you are building the database. Describe the client who has hired you.
- B. (3) Define and describe the scope of this first iteration. This first iteration will deliver the following to the client...
- C. (5) *List* the requirements you are meeting in this first iteration-- *number* each requirement in the list. The client has told you, "I want this first iteration to do the following..." So, your list of requirements will answer the following question: The first iteration of the database will accomplish the following... (An example of *scope* and *requirements* can be found in the web site assignment on the Mgmt 386 web site.)

**Design** the database for the project scope and the requirements you gathered. Include the following:

- A. (4) Description of the files (at least *two* data files and *three* report files). **List** the file names (in list form) and describe each one.
- B. (4) Picture of the records in the data files. You can use pencil and paper (without lines). The diagram can be similar to the example we did in class.

(10) **Write the code** for the first iteration of the database you analyzed and designed. You will use MS-Access to write the code that will create the two different data files and three different report files.

(5) **Test** the first iteration. Ask at least two people to test your system. **List** at least *six* questions in your test report and summarize each tester's general responses to each of the questions. Your list of six questions should include...

- Do the scope and requirements match the first iteration you are delivering to the client? (Give your tester the description of the scope and the list of requirements from the analysis stage and ask the tester to check if the first iteration fulfills the scope and requirements.)
- Does it work?
- Is it user-friendly?
- What are the concerns and what does it still need?
- (etc. etc. etc.)

**Install and integrate** the first iteration of the information system by preparing the following for the client:

(5) **Cover letter to client:** The front page of the documents for your first iteration of the database will be an executive summary memo from your consulting company to the client. This must be written in a proper memo form and include the name of your consulting company, be addressed to the client, include the date, etc. This executive summary will...

- summarize the first iteration of the registration information system you built for them.
- contain a short description of the requirements that will be completed in the next iteration of this registration system.
- tell them that the following is attached to your memo-- make sure each of these four sections is *clearly labeled* in your packet to the client:
  - Analysis: see above
  - Design: see above
  - Coding Output: Printout of the data files and the report files
  - Test report: see above

**Reminder: Don't forget all the requirements for all assignments (as stated on handout #1).**