<u>Case Study Project</u>

<u>Assignment #3</u>

From the information you gathered from your research and from meeting with Professor Kelly, it is apparent that this is an opportunity to develop a new system from scratch. One issue to be resolved is that they need to clarify what data they have, what data is available to them, and what data they need to collect themselves. Seeing that this is a new endeavor you will need to assist in developing procedures to collect, maintain, and report the data; you should also keep in mind the sensitivity of the data which will impact the type of interface you develop. Since there is no system in place you have a blank canvas to design something to meet their needs as addressed in your scope.

As we discussed, there are a variety of approaches you can take that will shape your scope. I will continue to discuss that with you as you begin to model your ideas for the new system. Before you begin to design your system, your group will need to project how you think the processing should work (the Activity Diagrams and/or BPMs will help you here) and from this formulate a list of the required processing the system must support. Once you have determined the requirements you should consider the feasibility of meeting each of these needs (in determining feasibility be sure to factor in the time you have to work on this). From this discussion your next step is to develop the structural blueprint (Data Flow Diagrams) of your approach to solving the system request.

<u>PROBLEM</u>

1. Prepare a Context Diagram for the information system that will support your scope.

2. Prepare a Diagram 0 DFD for this system; include subsystems to account for the major areas of processing. Data collection and reporting will certainly be areas of focus, include the other major areas of concern or opportunity as expressed in your information gathering.

3. Working from Diagram 0, prepare the necessary lower-level data flow diagrams to describe the processing required to support the focus you have defined in your statement of scope. In other words, you are going to focus on the functional decomposition of the processing areas you have chosen.

4. Document each diagram to explain the processing it represents.