“Systems Analysis and Design” Online Course

Example of “Course Project” Learning Object

Project # 3

A Prototype of the Information System To Be Developed

1. Create a working prototype of the Information System (a database, a decision support system, an expert system, etc.) to be developed. This prototype should have a friendly Graphic User Interface (GUI, chapter 14), probably with Dialogues (chapter 14).

2. This prototype (in case of a database) MUST include:
   - at least two (2) tables (for example, Customers and Orders, Products and Vendors, etc.)
   - at least one (1) One-To-Many relationship (for example, one customer may make several orders)
   - at least 20 records on information per table (for example, at least 20 customers and at least 20 orders)
   - at least 18-20 fields per record (for example, customer's first name, last name, address, home phone, mobile phone, email, fax, etc.)
   - at least 3 different data types of information:
     a) strings (for example, first name and last name),
     b) numeric (for example, salary, age, etc.)
     c) calculated (for example, hourly rate, GPA, etc.).

   Again, in case of databases use design strategies (chapter 12) and forms (chapter 13).

3. Test the working prototype by yourself.

4. Bring printed reports of Project # 1 and Project #2.

5. Demonstrate the working prototype during Project # 3 Presentation (particularly, for example, I will ask you to add one more record into a table, or create one more calculated control, etc.).