Team Project Phase-II Report

The main emphasis in Phase II of the project is to correctly implement the requirements derived in Phase I of this project. Most of the work should revolve around drawing the different diagrams (UML, Entity Relationship, and Record Structure Diagrams), and implementing the Access and Visual Basic.NET prototypes.

1. Interview Reports

   Provide a summary of activities involved in the information gathering for the project. Attach, in the appendices, the detailed interview reports and other supporting documents.

2. System Models

   Develop the diagrams for the system specifications:
   
   a) use case diagram, and descriptions for FIVE selected use cases;
   b) class diagram, CRC cards for FIVE selected classes, and one optional object diagram for a given scenario;
   c) activity diagram for overall business process, and ONE activity diagram for a selected use case;
   d) TWO sequence diagrams (for two use cases), and one optional communication diagrams;
   e) TWO behavioral state machine diagrams (for two selected classes).

   Calculate use case points and roughly estimate the effort.

3. ERD and Record Structure Diagram

   Develop the Entity Relationship Diagram for the system. Convert the ERD into a Record Structure Diagram. Ensure that the relations in the Record Structure Diagram are in 3NF. Also calculate the total storage in kilobytes required for implementing the relations. Assume one character or digit requires 1 byte of storage.

4. Prototype Database Implementation Using Access (optional)

   Enter the relations of the Record Structure Diagram in Access (or whatever appropriate, such as SQL server). It is optional at this point to have a fully implemented database, which, however, should be completed at the time of presentation.

5. Prototype Interface Implementation Using Visual Basic.NET (optional)

   Use Visual Basic.NET (or whatever appropriate, such as ASP, PHP) to construct User Interface. Have the entire system, but there is no need to code each VB control (or form) to make it functional. You can, however, select to program several key functions, for example, database connectivity, and so on.
6. Executive Summary & Recommendations

Summarize the salient aspects of your efforts into a single page. Mention organizational benefits, costs, risks, implementation strategies etc.

Requirements for Phase II

Your Phase II report should not be more than 15 pages including all tables, graphs, forms etc. In addition you should provide a disk containing the Access and VB.NET implementation if finished.