CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO
SCHOOL OF COMPUTER SCIENCE & ENGINEEERING

CSE572 F2013: PART I PROJECT SPECIFICATIONS – CONCEPTUAL MODEL

Due: October 7 (Monday, by 6 PM) REVISED!

For this Part I, you will be developing a conceptual model and presenting the model using ER/EER diagrams.

WHAT TO DO:

1. Develop a conceptual model for the project option that you have chosen.

2. Present the conceptual model using ER/EER diagrams. The diagrams should be fully specified with the unique identifiers, attributes for each entity type, and the relationship types that exist among the various entity types.

   All business rules that can be captured in the ERD/EERD must be present in the diagrams***. Any business rule that cannot be captured in the diagrams should be specified as part of a list of semantic integrity constraints***.

   You must use notations agreed upon in class lectures (Refer to Figure 7.14, p 223 and for specialization/generalization in Chapter 8)

   So the diagrams will not be cluttered draw the ERD/EERD to display only the relationships (with participation and cardinality constraints symbols, and attributes of the relationships if any) and entities. But for the entities, display only the key attributes. mLabel this diagram as
   Conceptual Model PART A – Relationships/Entities

   Draw another ER/EER diagram that displays only all the entities and their attributes. Label this diagram as
   Conceptual Model PART B – Entities/Attributes

   TIP: Use landscape format for your diagrams

3. Submit in a 3-ring binder the sheets in the following order :
   a. Project Description ONLY (cut and paste from the description of the project option that you chose)
   b. DIVIDER PAGE with a tab labeled -- PART I: Conceptual Model
   c. PART I Cover Page (See format on page 4)
   d. Assumptions/Questions – provide a list of assumptions or points in the project option description that are not clear or confusing and how did you clarify (ask the client/professor, research using the Internet, etc.)
   e. Conceptual Model: PART A1 – Relationships/Entities using the cardinality ratio and participation constraints only
   f. Conceptual Model: PART A2 – Relationships/Entities using the structural constraints (min, max) notation
   g. Conceptual Model: PART B – Entities/Attributes
   h. Data Dictionary presented in a tabular form with three columns – first column: Entity Name; second column: Attributes; third column – definition/description of the entity/attribute
   i. Business Rules taken from the project description

j. One page write-up describing the Points of Disagreement – name of team members who disagree, what was the point of disagreement and how the disagreement(s) was(were) resolved. This must be based on the notes taken by the Recorder for this part of the project.

k. **Comments on Project – Conceptual Model Phase**

A. Difficulties you faced in doing this implementation phase and how they were resolved (to be summarized by the Leader based on each member's comments)

B. Likes and dislikes about this part of the project (to be done by each team member as well as by Team Leader; present this section arranged alphabetically by team member's name)

C. What was the most challenging aspect of this part of the design? (to be done by each team member as well as by Team Leader; present this section arranged alphabetically by team member's name)

D. Suggestions on how to improve this part of project (to be done by each team member as well as by Team Leader; present this section arranged alphabetically by team member's name)

PAGINATE EACH PAGE by including a footer in the document as follows (BOLD, font size 8)

CSE572F13: TEAM NAME **PROJECT: PART I** **PAGE # of total pages**

4. **Team Leader** will evaluate each member of the team based on the evaluation criteria developed in class. The team leader will submit via email his/her evaluation using the following format.

SUBJECT:
CSE 572: PART 1 - TEAM <name>: RATING BY LEADER <name>
BODY:
MEMBER1: <name> -
Criteria item rating & justification
MEMBER2: <name> -
Criteria item rating & justification
MEMBER3: <name> - (if any)
Criteria item rating & justification

5. Each **TEAM MEMBER** will evaluate the team leader and other team members and must submit the rating to me via email using the format below. Note the team member submitting the evaluation must exclude himself/herself from the list of members below. So for a team of three members, there should be 1 other member that should be evaluated; for a team of four members, there should be two other members that need to be evaluated.

Format
SUBJECT: CSE 572: PART 1 - TEAM <name>: RATING BY MEMBER <name>
BODY:
LEADER: <name>
Criteria item 1 rating & justification
….
MEMBER1: <name> -
Criteria item rating & justification
….
MEMBER3: <name> - (if any)
Criteria item rating & justification

This Part I of the project will be graded according to the following criteria for a total of 50 points:

Grading Criteria	Points
Presentation (no spelling errors, no grammar errors, neatness, followed directions, correct sequence of pages, legible and readable)	5
Content (correct modeling, completeness)	40
Leader/Member Evaluation	5

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CSE 572 F13: Database Design Project
PART I – Conceptual Data Model

Title of Project Option
PROJECT OPTION

Name of the Team
TEAM NAME

Lastname, Firstname
TEAM LEADER

TEAM MEMBERS
Adams, Mark
Smith, Clark (Recorder)
Zeta, Pam