JOHN ABBOTT
CEGEP/COLLEGE

Centre for Continuing Education
420-SA5-AB - DATABASE

Project Intermediate Delivery   **Due: See Léa**

This is a group project. Your groups will be assigned by the instructor.

Step 1: Use the Internet to gather information about the functionality and data requirements of one of the following systems, or you may discuss using a different system with the instructor:
- o   a marathon system
- o   a real-estate system
- o   a library system
- o   a system for a sports league

The system for your group will be assigned by the instructor during class.

Step 2: Determine a name for your group's organization (This will be used as a title for the E/R diagram and in your presentation.)

Step 3: Determine the functionality/requirements of this organization.

Step 4: Find or create an input form (such as a registration form, or contract) and save either an image or the contents to a Word document

Step 5: Find or create two reports (such as race results, race publicity, real-estate listing, team roster…) and save to the Word document.

Step 6: Analyze the data on the input form and the reports.

Step 7: Normalize the data to the third normal form and use Visio or MySQL Workbench to produce the entity-relationship diagram (data model). This model should be created so that it could be the basis for an implementation of an MySQL database system for this organization.

Step 8: Create a PowerPoint presentation to present your organization's requirements and the associated data model to the class.

Step 9: Submit your team's PowerPoint file, E/R diagram, and Word document to the dropbox on Lea for the Project Intermediate Delivery

Grading Scheme / Rubric

Worth 20% of your final project grade

Criteria	Sub-criteria	Excellent	Average	Unacceptable
Data Model **/50**	• Symbols • Entities • Attributes • Relationships • Cardinality	All symbols are correct, most entities are valid, most attributes are valid, most relationships are correct, most cardinalities are correct. **(46-50)**	Most entities are valid, many attributes are valid, many relationships are correct, some cardinalities are correct. **(26-45)**	Data model is missing, incorrect and/or poorly done. Many entities are missing, many attributes are missing or incorrect. Some relationships are missing. Result is not normalized to 3NF. **(0-25)**
Completeness **/25**	• Requirements • Input Form • Reports	The system requirements are included. The input form and two reports are included and relevant. **(21-25)**	Some components are missing or not relevant to the system. **(16-20)**	Many components are missing or incorrect. **(0-15)**
Quality **/25**	• Title • PowerPoint slides • Clarity	The title is included and clear. The presentation slides are very clear and complete. The diagram is clear. No errors in spelling or grammar. **(21-25)**	The title is included and clear. The presentations slides are fairly easy to read. The diagram is fairly clear. Minor errors in spelling or grammar. **(16-20)**	The title is missing or incorrect. The presentations slides are missing or difficult to read. The diagram is difficult to read. Many errors in spelling or grammar. **(0-15)**