CST 8215 - Lab 4A - Create a Physical Data Model

Objective

1. Use a data modeling tool such as Toad Data Modeler to create a small physical data model

2. Annotate and document the model

3. Export the data model to a.png format

Reference

Use one or more of the following resources to complete this lab. It should take to about 20 minutes to draw the diagram, if doing it for the first time.

1. Visit this URL to view a short video, then use the technique to create the model shown below. https://www.youtube.com/watch?v=2rtSw21eLHQ (www.youtube.com; Search: toad modeler tutorial; choose the one by: DellTechCenter)

2. Dell Toad Data Modeler 6.0 User Guide, toad-data-modeler-user-guide60.pdf Page 125 ff. Search for the phrase "Physical Data Model" in the document. There is good documentation for creating the physical data model.

3. A demonstration shall be given during lab hours, you may then create a model on your own.

Submission

Upload the data model export - .PNG to Blackboard.

Requirements

Use the model shown below as a reference when creating your model.

Procedure

Using the modeling software is simple. After knowing the features you need, you will be able to navigate your way in the button tile. Your first diagram will take a bit longer, subsequent ones will be quicker. **Do not create the associative entity, choosing the m:n relationship will automatically create it**. Use the 'Stamp' object to document the model.

Project	CST 8215 Creating a Data Model
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Student

StudentID	Character(10)	NN (PK)
StudentFName	Character varying(20)	
StudentLName	Character varying(20)	

Course

CourseID	Character(10)	NN (PK)
CourseName	Character varying(25)	

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StudentID	Character(10)	NN (PFK)
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