Logo, company name

Description automatically generatedWeek 14 Lab: Snow College Finish Implementation

LIS464 Applied Database Design

Information School, University of Wisconsin-Madison

**Description:**

In this lab, you will finish building the physical database we have designed in the previous weeks using both SQL commands and the GUI.

Deliverable: Each student must build their own tables on Akira and submit their own document.

Please set the database engine to **InnoDB**.

**A diagram of a class

Description automatically generatedStep 1.** Building on your work from the previous lab, in your DB2 space, create the remainder of the seven Snow College tables.

Figure : Snow College ERD

**Step 2.** Add attributes as specified in the Preferred Snow College Data Dictionary (see Canvas assignment page). Also use the ERD to the left as a guide. For differences between the ERD and the Data Dictionary, the Data Dictionary is the definitive source.

**Step 3.** and create the relationships between them using either command line or the GUI. The tables must be directly linked using PK/FK pairs. *Correct creation and set up of PKs and FKs in Akira is a key goal of this assignment.*

**Step 4.** Add at least one row of data to each table.

Forgot how to make FKs? Useful resources:

Code: <https://www.w3schools.com/sql/sql_foreignkey.asp>

GUI : <https://dev.mysql.com/doc/workbench/en/wb-table-editor-foreign-keys-tab.html>

YouTube also has many good demo videos.

**Step 5.** To show evidence of completion, run the listed command for each of the tables listed below and post the results here:

1. DESC Semesters

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1. DESC Requisites

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1. DESC Courses

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1. DESC Classes
2. A screenshot of a computer

   Description automatically generated
3. SELECT \* for StudentClasses
4. SELECT \* for Courses

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1. SELECT \* FOR Classes
2. SELECT \* FOR Lecturers

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