CS482/502 Database Management Systems I

Project: Phase 1

Requirements:

The purpose of this project phase is to create a MySQL database with information about Offensive NFL players (Quarterbacks, Running Backs, and Wide Receivers) using the specifications given below.

Tasks:

- (15 points) Create the schema for the following tables and its attributes. Write proper SQL statements to create the required tables in the database. Be sure to include all the required constraints (e.g., primary key, foreign keys, not null, etc. - you will have to think and come up with these constraints on your own). Put all the SQL statements into "CreateDB.sql". State any assumptions as a comment in your SQL file.

  - *Players:* (Name, PlayerID, Team name, Position, Touchdowns, Total Yards, Salary)
    * *PlayerID* should be unique
    * Position can only have one of the following values: *QB, RB, WR*
    * *PlayerID, Touchdowns, Total Yards, Salary* are integers

  - *Games:* (GameID, Date, Stadium, Result, Attendance, Ticket Revenue)
    * *GameID* should be unique
    * *Date* should be declared as a MySQL *Date* type
    * *GameID, Attendance, Ticket Revenue* are integers
    * Result can only have one of the following values: *W, L, T*

  - *Play:* (PlayerID, GameID)
    * *PlayerID, GameID* should only contain values already declared in the previous two tables.

- (5 points) Insert 5 records into each table. Put all the insertion SQL statements into "DataDB.sql".

Note: Your submitted SQL statements should run correctly (syntactically and semantically). If a SQL statement returns any error, that SQL statement is graded as **ZERO** (i.e. no partial score).

Handing in & Grading:

- You have to hand in your assignment electronically (through Canvas). Printed copies are not accepted. Combine and compress all source files to a .zip file with name "FirstNameLastName_Phase1.zip". See course syllabus for policies on late submission and plagiarism.