

CPS353: Internet Programming

Homework Assignment 4: Database Schema

Due Wednesday, October 14th by the start of class

The goal of this assignment is to finish the creation of the fantasy football schema and develop sql queries to obtain certain data. Both of these deliverables will be discussed in further detail below.

Continue the schema development we started in class

Download the class notes that we developed together in class and use this as a starting point for your actual database schema. Refine and complete the table definitions and relationships to fill in any gaps that we did not finish in class. From this description, develop the sql that will create the tables and the relationships in class. Each table should have a primary key column(s), foreign keys to related tables and other columns needed to describe the entities. You may also need to create mapping tables to map many-to-many table relationships. In addition to the sql files for the tables, provide the order in which they should be run to create the tables.

Developer queries

In addition to the create table sql, the following sql statements are also required (one file per number below):

1. Sql to populate 1 league, 10 owners, 10 teams, all the match ups, ~~week records to support the match up~~, one player per team. You do not need to populate any player stats or anything like that. These should be delivered in the order they should be run.
2. Sql to select the owner's name, the owner's team name and the league name given an owner id
3. Sql to select all the match ups for a particular team. It should show the team name, the opponent and the week and be displayed in chronological order
4. Sql to drop all of the tables, one by one (ie. Don't write a query to just drop the entire database)

Grading

For full credit, scripts should run on a blank database. I should be able to run the table creation scripts, the data insertion scripts, the queries and the drop table queries without error. The select queries should return what was specified.

Submit your sql files and table execution order by emailing a zip file containing these to the instructor before class starts.