CSCI 362 DBMS Project

Due on Wednesday April 28th

NOTE: This is an individual project.

You have been hired by a Social Media firm (similar to Facebook) to develop a database from scratch. The firm's revenue comes from advertisement and market place.

Breaking this mini-world in into 3 related parts will be helpful:

1. The customer facing (friends, post, etc.)
2. The Merchant facing (ads, products in market place)
3. Company Revenue

Your submission has to include the following (Please see the attached sample project to get an idea what needs to submitted)

1. ER Diagram or Relational Model
2. SQL Code to create the mini world, entity (tables) with all the constraints (15 points)
3. SQL Code to insert, delete and modify the tables: Insert, delete and modify for each table. Take into account the constraints (15 points).
4. Sample SQL codes (minimum 2) to retrieve data from tables (10 points)
5. BONUS (10 points): Load the project in Github (in a presentable format. You should be able to show it to your prospective employer). Attach the Github link to this in your submission.

What is in the sample project report?

This sample project report was submitted by one of the students from a previous class. The mini-world was a Shoe Company.

I have only included the part of the project that is relevant,

Please Note: The look and feel of the screenshot in the report will be different from MySQL Workbench. The IDE we used at that was not MySQL Workbench.

FAQs:

Q1) What is this firm?

Using the suggestion above, please come up with it. Use can use Facebook as an example

Q2) Where do I get the data to insert in the tables?

Please come up with it. Since this is your schema, no one else can provide you sample data.

Q3) What format do I submit my project?

The instructor should be able to copy the code and run it. Word is most preferred.

Q3) Can put screen shots?

Sure. If helps to explain your mini world.

Q4) What if there are no constraints in my database?

That means your tables are not related by the schema. Not a good design, since maintaining a valid state is difficult.

Q5) How detailed should the explanation of my assumptions need to be?

Please review the sample report that I have posted.