Chapter 10

How to design a database

Exercises

1. Use MySQL Workbench to create an EER model from the script file named create_my_guitar_shop.sql that's in the mgs_ex_starts folder.

   From the model, create an EER diagram that shows the relationships between the seven tables in the database. (The administrators table is not related to the other six tables.)

   Print a copy of your EER diagram and save as ex_10_1.pdf. Submit this .pdf file rather than the typical .sql file that your have submitted for previous exercises.

2. Use MySQL Workbench to create an EER diagram for a database that stores information about the downloads that users make.

   Each user must have an email address, first name, and last name.

   Each user can have one or more downloads.

   Each download must have a filename and download date/time.

   Each product can be related to one or more downloads.

   Each product must have a name.

   Use the **File > SaveAs** feature to save your model to a file named ex_10_2.mwb. Submit this file.

3. Use MySQL Workbench to open the EER diagram that you created in exercise 2. Then, export a script that creates the database and save this script in a file named ex_10_3.sql. Submit this file. Next, use MySQL Workbench to open this file and review it.