CSCE 520: Database System Design

Homework – 1

1. (2 X 2 = 4 points) Exercise 2.2.3 (b, c) → Pg. 29

2. (6 X 6 = 36 points) Exercise 2.3.2 (a - f) → Pg. 37

3. Install MySQL on your computer. MySQL is a client-server application, even if the client and server are running on the same machine. You may use a GUI if you want, but it is not required.

- Go to https://www.mysql.com and click the Downloads tab.

- Follow the links to download and install MySQL Community edition, MySQL Community Server (latest version- 8)

- Choosing a good root password is optional, but is strongly recommended for security purposes. You will need your root password for administrative tasks, so make sure to remember it.

- You do not want to login as a root user on a regular basis as you have arbitrary privileges, including the ability to accidentally screw things up. So, the first task as root is to create a regular user account with limited privileges that you will use more frequently. Enter the following command at the prompt:

  mysql> CREATE USER '**your_name**'@'localhost' IDENTIFIED BY '**new_password**';

  where your_name → name of the regular user account

  new_password → regular user account password (different from root password)

  Don't forget the semicolon at the end of the statement. The quotes are all required.

  More information about this command can be found here.

- Upload screenshots of the login page: when logged in as
  - (5 points) a root user   and

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- ◦ (5 points) a non-root user

For additional help with MySQL installation, use the following link.

Reading Assignment:

- Chapter - 1, 2 (2.1 – 2.3)

Important Info:

- All references to numbered exercises in the textbook refer to the hardcover version of the text (ISBN: 9780136006374). Other versions of the textbook (including international versions) often renumber exercises, either through reordering or through omission. It is your responsibility to make sure you are doing the correct exercises. If you are not sure, you may consult the TA's or my textbook for comparison.