Client User Creation In The MySQL Workbench

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- For Project 6 you need to create two new clients for the project6 database and assign them specific privileges on the database.

- This set of slides steps you through that process using the MySQL Workbench.

- This can also be done via the MySQL command line client, however, it requires issuing specific GRANT commands and while providing finer grained privilege detail, goes a bit beyond what we need for this project.
Start the Workbench and select Server tab at the top of the window. Select Users and Privileges from the drop-down list.
You'll now see a window that allows you to create user accounts and set permissions on those accounts. Currently you'll only have the root user by default.

Click the Add Account button here.
Enter the information for the new user named “client1” as shown.

Click the Apply button when finished.
Repeat the steps for client2. Click the Apply button.
You have now created your two client accounts. Next you need to set the permissions (as outlined in the assignment) for each client user.
Select a user (client1 in this case) and then click the Schema Privileges tab on the right side of the window.
From the Schema Privileges window click the Add Entry button
Select the “Selected Schema” button and then select the project6 database from the selection box. Then click OK.
You’ve now returned to the Schema Privileges window, but the options below are now accessible.
Client1 should have only selection and insertion privileges on the project6 database. Click those two options only and click Apply.
Repeat for client2 who should have only selection and update privileges on the project6 database.
To test your work, go back to the main workbench screen and open a connection to start querying, but login as client1 or client2. Since you’ll be doing this a lot, I’d suggest creating a connection for each client.
The Workbench after logging in on the client2 connection. Notice that the only databases available to this user are the project6 and test (default) databases. Those that were accessible to the root are not visible now.
Client2 has select privileges on the project6 database, so this query executes properly.
Client2 attempts to execute an insert command, but does not have this privilege on the project6 database, so the DBMS denies the operation and no insert operation occurs.