

Database Management Systems II (DBMS-2006)

Challenge 5 – Users and Roles

Note: Use the JR_Movie database in this challenge.

1. Create logins and user accounts for the following users. The login for each user must be their full name, capitalizing the first character of first and last name e.g JenniferGarnet. The user id must be the first letter of the user's first name and their full last name (permissions will be given shortly). **Use your Red River Userid as the password for all user accounts.**

User Name	Employee Job
Jennifer Garnet	Receptionist
Phil Blat	Salesperson
Rhonda Seymore	Sales Manager

Role Creation: Create the following roles. Do not embed permissions (do not grant a role to a role). Each role must have all required permissions defined.

2. Create a role called receptionist_role.
3. The receptionist role needs to have SELECT on the following tables:
 - Customer
 - RentalAgreement
 - MovieRented
 - Movie
4. Give Jennifer Garnet the receptionist role.
5. Create a role called salesperson_role.
6. The salesperson role needs select on the following tables:
 - Customer
 - RentalAgreement
 - MovieRented
 - Movie

In addition, the role requires INSERT on the RentalAgreement and MovieRented tables.

7. Give Phil Blat the sales person role.
8. Create a role called salesmanager_role

9. The salesmanager role needs full permissions (SELECT, INSERT, UPDATE and DELETE) on the following tables:
 - Customer
 - RentalAgreement
 - MovieRented
 - Movie
10. Give Rhonda Seymore both the salesperson and sales manager roles.
11. Perform the following for all three accounts
 - Show the command necessary to impersonate the account
 - Write a sql statement (SELECT, INSERT, UPDATE and DELETE) to test the permissions of each account for each table (Customer, RentalAgreement, MovieRented and Movie). For each insert statement into the customer table ensure that the FNAME and LNAME columns your first name and last name
 - Include a comment before each statement of **'success'** or **'failure'**. Was this expected why or why not?

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Submission Instructions:

Submit the following:

- The SQL Commands necessary to perform the required actions within a **sql file**.

The following standards are to be used when coding:

- Keywords are in Uppercase
- Names are coded in snake case 'first_second_third' (First letter of each word capitalized)
- Each clause is placed on a line by itself
- Question numbers must be included as comments. ie. --Q1

Submission Instructions

- Name the file '*lastname_firstname_C5.sql*' and submit it to the appropriate LEARN dropbox.

Marking Guidelines

- The assignment will be marked using a rubric (attached to the assignment in LEARN). •

The rubric will include marks sections for the following:

- Proper file naming & submission
- Proper commenting

- Proper coding guidelines (capitalization, clause placement, etc)
- Solution produces correct results