# Database Management Systems II (DBMS-2004)
## Assignment #4 – Users and Roles

1. Create user accounts for the following users. The user id's must be *prefixed* with your database ID, an underscore, the first letter of the user's first name and their full last name (permissions will be given shortly). The passwords must be a random collection of 6 characters, letters only (no words, digits or special characters). Use the same 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 (prefixed with your database ID and an underscore).

3. The receptionist role must be able to create a session on the database, but cannot create any database objects at all.

4. The receptionist role needs to have SELECT on the following tables:
   - Customer
   - RentalAgreement
   - MovieRented
   - Movie

5. Give Jennifer Garnet the receptionist role.

6. Create a role called Salesperson_Role (prefixed with your database ID and an underscore).

7. The Salesperson_Role should only be able to sign on to the database. They should not be able to create any objects.

8. The role needs select on the following tables:
   - Customer
   - RentalAgreement
   - MovieRented
   - Movie

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

9. Give Phil Blat the sales person role.

10. Create a role called SaleManager_Role (prefixed with your database ID and an underscore).

11. The role must be created with a password (follow the same rules as user id passwords, however use a different password for the role).

12. The salesmanager role must be able to sign on to the database but not create any objects.

13. The role needs full permissions (SELECT, INSERT, UPDATE and DELETE) on the following tables:
    - Customer
    - RentalAgreement
    - MovieRented
    - Movie

14. Give Rhonda Seymore both the sales person and sales manager roles.

15. Provide the command you would need to run to make the sales person role for Rhonda Seymore default and the sales manager role to be turned off (you cannot actually run the command, just code it).

16. Indicate the command that Rhonda would need to execute to obtain full permissions on all tables.

17. Indicate the command that Rhonda would need to execute to restore privileges back to the basics (no advanced editing on the tables) without having her sign out and back in again.

# Database Management Systems II (DBMS-2004)
## Assignment #4 – Users and Roles

Submission Instructions:

Submit the following:

- The SQL Commands necessary to perform the required actions.

*The following standards are to be used when coding:*

- Keywords are in Uppercase

- Names are coded in 'TitleCase' (First letter of each word capitalized)

- Each clause is placed on a line by itself

*Submission Instructions*

- Compress all files into a zip archive named '*lastname,firstname_A4.zip*' and submit the archive 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