

Database Management Systems II (DBMS-2004)

Milestone 4 – Final Project

Milestone 4 – Permissions and Roles

With the new line of business starting, some new staff will be hired. These staff will oversee the 'book' rental part of the company. There will be two classes of employee, book rental managers and book rental sales staff. Each class of employee will have different abilities. Common to all new users are the following:

- Users can sign on to the database
- Users cannot create objects of any sort, they can only use objects they are given permissions to.

In addition, you have noticed that granting user roles to other user roles can create permission problems. For these new users, all permissions required are granted to the appropriate roles, and the role are granted to the appropriate users.

Create a file called Role.sql to create the following Roles:

Deliverable 1

Create a role named Book_Manager_Role (prefix the role name with your userid). This role needs full permissions (Select, Insert, Update, Delete) on the RentalAgreement and BookRented and BookAuthor Tables.

Deliverable 2

Create a role named Book_Salesperson_Role (prefix the role name with your userid). This role needs SELECT on the RentalAgreement and BookRented, BookAuthor and Contributor tables.

The role also needs INSERT and UPDATE on the RentalAgreement and BookRented tables.

Deliverable 3

The new staff has been hired, but their accounts do not exist yet in the database. In preparation for granting the necessary permissions, create the user accounts/passwords and grant the necessary roles to the user below. Their new database names will be the first letter of their first and middle name followed by their last name (prefix the user name with your userid).

Book Manager:

Brent R. Longstaffe

Book Salesperson:

Tina Doreen Wiznowski

Douglas A. Armstrong

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Assignment #7 – Final Project

Deliverables

A single .zip archive named '*yourlastname,firstinitial.zip*'. This zip file contains the Role.SQL file containing the statements to create the roles, users and assign the roles to the users.

The database updated by creating the new roles and users.

WARNING: You may only submit this milestone deliverable once, so make sure you are satisfied with what you have done before submitting. Submitting in error is NOT a valid excuse.