

Unit 2 - Individual Project

Assignment Overview

Type: Individual Project
Unit: User Account Security
Due Date: Wed, 5/31/17
Grading Type: Numeric
Points Possible: 100
Points Earned: 0
Deliverable Length: 2–3 pages of material in the Key Assignment Template section titled: User Account Security, and the

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My Work:

Online Deliverables: [Submissions](#)

Assignment Details

Assignment Description

You have been tasked with setting up a security scheme for a small application. The application is new for your organization, but your manager wants the following requirements met:

1. Create a new Schema called HR
2. Download and run the script called ['CreateHRTables.sql'](#)
3. Create the following views:
 - a. A view called, Corporate_Directory, that shows Each Employee (First Name Concatenated to Last Name , Email, Phone) their Department Name, their Location City, Country Name and Region Name
 - b. A view called, Manager_Information that shows all Employees (First Name Concatenated to Last Name, Email, Phone, Salary, Commission Percentage) their Manager's Name Name, their Job Title and the Jobs Salary Range
4. Create the Following Users:
 - a. Employee_User
 - b. Manager_Support
 - c. Manager_Manager
 - d. HR_User
 - e. HR_Support
 - f. HR_Manager

Note: that there may be additional users needing similar or the same access as these 6 users in the future
5. Create the Following Roles:
 - a. Employee_Select
 - b. Manager_Select
 - c. Manager_DML
 - d. HR_Select
 - e. HR_DML
6. Implement the Following Access Control List using SQL:

User/Role	Table/View	Privilege
Employee_User	Corporate_Directory	SELECT
Manager_Support	Employees, Job_History, Jobs	SELECT
Manager_Support	All Views	SELECT
Manager_Manager	All Views	SELECT
Manager_Manager	Employees, Job_History, Jobs	SELECT/INSERT/UPDATE/DELETE
HR_User	All Views	SELECT
HR_Support	All Tables	SELECT
HR_Support	All Views	SELECT
HR_Manager	All Views	SELECT
HR_Manager	All Tables	SELECT/INSERT/UPDATE/DELETE
All	Exceptions (Everything not	None/Deny

	Specifically Mentioned)	
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Note: the use of 'All' this means/implies that as the application expands or contracts the users should be able to view all new objects as well.

7. Does it make sense to grant specific objects to user or use the roles?? Describe Your approach for the implementation about the setup, why, how and if you decided to utilize the roles
8. Submit All SQL

Add the discussion about the use of roles, and the SQL used to implement the Access Controls to The Key Assignment Template section titled: **User Account Security**.

Name the document CSS330_<First and Last Name>_IP2.doc.

Submit the document for grading.

Please submit your assignment.

For assistance with your assignment, please use your text, Web resources, and all course materials.

Reading Assignment

Natan, chaps. 4 and 6


Assignment Objectives

- Describe security architecture as related to databases.
- Explain and justify procedures for maintaining security of user accounts.

Other Information

There is no additional information to display at this time.

Legend

 Extra Credit

 View Assignment Rubric



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