Final Project

THE PROBLEM

Create, from scratch, a database, using EITHER “a” or “b” as described below:

1. Use Access AND Oracle Express 10g, creating two databases, one each, that solve the problem, showing equivalent results.

OR

1. Use MySQL to create a database that solves the problem.

NOTE1: If you choose to use MySQL to solve the problem, your assignment score can have up to 20% more value over solutions solved with Access & Oracle.

NOTE2: If you choose to use MySQL to solve the problem, you will need to create your solution on YOUR laptop, since you’ll need to DEMONSTRATE your results at the deadline.

THE SCENRIO

This small startup company, **Deko** is growing, and little has been done to organize company information.

Currently, two Excel workbooks and a bunch of Word documents are used to manage employee information.

The EMPLOYEE workbook stores employee information. The DEPENDENTS workbook stores specific information related to employee families/dependents.

Employees are periodically evaluated and the information is recorded in a form that is stored as a Word document. A single Evaluation Form looks like:

|  |  |
| --- | --- |
| **EVALUATION FORM** |  |
| Name: |  |
| Location: |  |
| Date of Hire: |  |
| Date of Review: |  |
|  |  |
| **Rating System** |  |
| 1 Unsatisfactory |  |
| 2 Needs Improvement |  |
| 3 Satisfactory |  |
| 4 Often Exceeds Expectations |  |
| 5 Consistently Exceeds Expectations |  |
|  |  |
| **Area** | **Rating** |
| 1 Performance |  |
| 2 Attendance |  |
| 3 Professionalism |  |
| 4 Leadership |  |
| 5 Overall Rating |  |
|  |  |
| **Comments** |  |

Each Evaluation Form is currently filed by employee name in their hardcopy folder in the office’s file cabinet. There is no system to manage the annual review, nor any indication when an employee’s review is due. New salaries and commission rates are set each year for each employee, but there is no procedure to track annual salaries, commission rates, nor “when” for anybody.

The company needs to start tracking birth date information for each employee and each dependent. This information is not currently included anywhere.

Clearly, relationships among any resulting/required tables are necessary.

THE TASK

Create the necessary RELATED tables to improve the existing system.

Don’t bother creating forms or reports.

THE DELIVERABLES:

If you are solving the problem using Access and Oracle, then submit your .accdb file AND enough “snapshots” of Oracle objects/code to illustrate your solutions.

If you are solving the problem using MySQL, you will need to DEMONSTRATE your solution to your instructor by the deadline.