DBMS-1002  
Assignment 4

short line

# Instructions

Create a new Excel spreadsheet with a properly normalized database. When in doubt, please clarify with your instructor before handing in your assignment.

# Grading

Your instructor will review your assignment with you for completeness and comprehension. This review will be done on an individual basis and you will be asked questions

# Questions

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| --- | --- |
| Level 1 |  |
| Find the XLSX (Excel) file and format the data into 1st and 2nd normal form. NOTE: Take care of all the factors like Primary Key, Repeating groups, non-key attributes and a dependency etc. |  |
| Level 2 |  |
| Additionally, format the previously Normalized data into 3rd normal form. NOTE: Take care of the dependencies and anomalies (if any). |  |
| Level 3 |  |
| Lastly, hand in an ERD of the finished tables. Take care in using reasonable cardinality symbols. Clearly label your primary and foreign keys. |  |

Make it extremely clear what columns will be primary keys, which will be foreign keys and whether or not you are removing/adding/duplicating columns.

If removing derived columns, be sure to state precisely how the column can be calculated, use a formula.  
  
If there are any time anomalies, please be specific about which columns are being added/removed and where they are going. When in doubt, you should copy paste the entire table data and show the new column.

# Assessment

You will be assessed based on the rubric attached to your DropBox.

# Hand-in

In this assignment you will create a new .XLSX (Excel) file using Microsoft Office Excel. Please rename your file to follow the format: ***assignment#\_firstname\_lastname.xlsx***

For Example: ***assignment4\_scott\_wachal.xlsx***

Use the appropriate LEARN DropBox to upload your file. If you need to upload a newer version, you may do so before the deadline, but only the newest copy will be graded by your instructor.

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