Project

CS510/IS623: Database

Due Date and Time: 4/22/2017 at 11:59 PM

***This project is individual work. Each student must complete this project independently (Two students are also OK. However, the group must implement web application).***

# User Request:

*“Create a database system with connection and reporting tools.”*

# Objectives:

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| 1. Identification of business rules and clearly description with assumptions. | 10 Points |
| 1. E\_R Diagram by using workbench. If you use other programs to draw the figures, it is OK. However, you may get lower grades, if I do not see the clear descriptions and representation as similar to workbench. | 15 Points |
| 1. Normalization: Your databases should be in 3NF form. | 15 Points |
| 1. Creation of MySQL tables and inserting values according to integrities. | 15 Points |
| 1. Creating forms or connection by using any web application or excel. If you implement a web application, you will get extra points. If you cannot implement the web application, you have to do in excel or access but you will not get extra points. Moreover, the students working in a group must implement the web application. This is because I would like to be fair for individual workers. | 15 Points (15 extra for web application) |
| 1. Creating user roles and users with grant options based on the assumptions. You need to create views to restrict the user access to database or tables. | 10 points |
| 1. Report preparation according to importance of your project. | 10 Points |
| 1. Use proper documentation and formatting. | 10 points |

# Demo:

# You need to show me a demo for your project with materials. If you do not show me a demo, you will get 0 regardless of your submission.

# Due Date:

You must submit an electronic copy of your source code, documentation, sql files, and any other related files for the project through the Blackboard by sending your code inside a zip folder which is named as **“project\_yourName”. Due by April 22nd by 11:59 pm. Demo session will be on April 23, and 25th, 2018. You can work in-group of two students. However, while you submit, both students must submit the zip folder, which includes everything. However, this time you need to rename the zip file as project\_1\_student1name\_2\_ student2name.zip.**

# Notes:

# In this project, you can come up your project or using any given referenced project for this purpose. You can work on the project you want also. However, the difficulty and significance level must be same. If your project is simple, you cannot get full credits. You have your own flexibilities.

# The project, which can be used or used as a reference for this assignment, can be accessible from this website:

# <https://www.researchgate.net/profile/Sandra_Eksioglu/publication/268357857_Projects_Manual_for_Developing_Web-Enabled_Decision_Support_Systems/links/564dc72c08aefe619b0e192c/Projects-Manual-for-Developing-Web-Enabled-Decision-Support-Systems.pdf>

# If you cannot access the file, let me know.

# Individual Submission Policy: A student can work alone to complete this project. However, if you work alone, you can get maximum 100 points if you do not implement the web application. If you implement the web application by using .Net, JDBC with Java, php, .etc in addition to database, you can get extra 15 points.

# Group Submission Policy: Two students can work together to complete this project. However, if you work together, you can get maximum 85 points if you do not implement the web application. If you implement the web application by using .Net, JDBC with Java, php, .etc in addition to database, both of you can get maximum 115 points.

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