**ITMS 428-528 Final Project FALL Semester 2016**

**You are to develop/create the following (**using your own connection credentials when necessary). Show all code and a copy of the output (whether the code successfully executed or not!)

Background: KLJ is a multi-million-dollar software development corporation, specializing in web and business application development, robotics, and health instrumentation design. They are located aat 3300 So. Federal St., Chicago, IL 60616.

1. A SQL login and a password for establishing a connection for Oracle’s SQL developer and MySQL;
2. The roles and priveleges for the SYSDBA and IT Manager of the KLJ Corporation.
3. A grant to Joe I.T. King, a cost accountant, to insert, select and update the KLJAsset file.
4. An XOR encryption of the phrase “KLJ will purchase IBM next Monday”.
5. A complete network policy for the KLJ corporation (located in Chicago, Illinois) that specializes in hardware and software development. The organization, which has 1000 employees, contains databases on employees (HR), on the company’s intellectual property assets (patents, trademarks, copyrights, and trade secrets), on their sales, on their inventory, and on their customers and vendors. The company’s communication network involves wired and wireless connectivity, smartphones, VoIP, intercom devices. KLJ executives do not want their employees using the company’s equipment for personal use at any time.
6. KLJ plans on moving to a suburban industrial park, with five buildings on the campus. Draw the potential property with adequate (and labeled) physical security.
7. Conduct a risk assessment spreadsheet that contains a list of all possible threats that may affect the KLJ corporation’s databases. The assessment should be presented as a report.
8. A security plan that will be called into action when a database breach has been detected.
9. KLJ is considering the use of NoSQL for its inventory. Support the use of NoSQL but keeping database security risk at a mininum.
10. A conclusion representing the results of your security measures and assessment directed to the client.

**Further information:**

The project submittal is to consist of the followng pages using MS Word:

1. Title page: Course Number, Semester, Your Professor’s Name, Your Name, and Date of Submission
2. Objective Page: Purpose/scope of the project, Client Name and Address (use 3300 So. Federal, Chicago, IL 60616)
3. Page showing the TOE (tasks, objects, events) Chart for your project or a MS Project Chart showing the list of tasks with start (11/3/16) and finish dates (12/2/16).
4. Page of the snapshot of MS Visio representation that is created for any required project diagrams.
5. Page of the snapshot of MS Visio representation of a Flow Chart any program statements.
6. Page showing an Excel spreadsheet with the risk assessment, showing the risks and their likelihood of occurrence.
7. Any references are to be cited using APA format.
8. Submit the entire assignment to the appropriate drop box in Blackboard. DO NOT DROP FILES THAT ARE IN RAR compressed format or as \*.pages format. They will not be graded. If you must compress your files, then use a WINZIP Windows Compression program. Your project will be subject to software that detects plagiarism. If the software detects any plagiarism, you will be given a zero for the project.
9. **Absolute due date for the project to be submitted will be12/02/2016 Friday.**