CS 522 – Database II
Mini Project 2

Due Date: April 2, 2018

Background:

For the second mini project this semester you are to research database optimizations when operating in either a) a very large data environment (such as a data warehouse) or b) a very small data environment (such as a mobile platform). The topic may be new/different storage techniques, design methodologies, or processing procedures. There are two parts: 1) a written paper describing your topic, and 2) a presentation to the class on you findings.

Paper Requirements

1. Introduction. Describe the topic in an overview format. Describe, in general terms, what it is, where it applies, how it is different, and why it is important.
2. In Depth Description (could be multiple sections). Describe in greater detail where your topic is applied, why it is utilized, and any negative issues that it may present. You should also discuss why it is not appropriate for "mid-sized" databases that we normally consider.
3. Implementation. Design and implement an example of your topic. Describe your implementation and illustrate why it is better.
4. Conclusions. Add a short "wrap-up" to describe what you have presented.
5. Bibliography. List all books, papers, and websites you have used to find information for your project

Presentation Requirements
1. I would suggest outlining your presentation following the outline of your paper.
2. The implementation must be presented from a running database.
3. I suggest using PowerPoint to put together the presentation.
4. Aim for a 10-15 minute presentation.