**Lessons Learned:** by Kyle Grigsby (CIS-336)

This session I had the opportunity to be involved in a group project that utilized many of the new database principles I was being taught through the reading I was encouraged to do, the iLabs in which I participated, as well as the iConnect Live sessions, all of which were extremely helpful to me. Before CIS-336, I had never before taken a class, or been exposed to the relational database and this class taught me concepts I know I can use in the future.

Task 1 of the group project focused on the design of Team C’s database through the development of our first Entity Relationship Diagram along with the development of a Data Dictionary. These two tools taught me how important it is to pay attention to important details, as long as the importance of working well in a group with many different ideas, some with which you may not agree.

Task 2 focused on moving the ideas expressed in the Entity Relationship Diagram and the Data Dictionary to a real utility called SQL\*Plus. Every possible problem that we thought could manifest itself came to light with the reality of task 2. I am glad I had the opportunity to familiarize myself with such a tool. I took the opportunity to take charge of this phase of the assignment as I took the finished products from my team members, made many corrections, and assembled them into one working database program. I learned a lot.

Task 3 gave us the opportunity to put it all together with the reality that a database is no good unless meaningful reports can be ran from it. There were 6 reports and one update statement that we were asked to complete and I decided to take charge one more time and take the update statement as well as the second report assigned to us. The update statement took some time for me to figure out as it required the use of a subquery. Once I realized that I needed to incorporate the primary key, I was pleased with the result. I also took the opportunity to complete a draft culminating in a spool file and a command file, which Team C may very well submit to Professor Reuda-De-Leon. I will always be proud of the things I learned in these seven short weeks. It’s truly been a pleasure to learn something new. I’ll miss my team, Team C!