**Project Requirements**

The requirements of this project were defined within a packet of deliverables. The packet contained a starter E/R diagram that depicted the details of the project including specific attributes. A data dictionary that showed all of the data items, their characteristics, and their meanings. A list of assumptions showing what we assumed was happening in the project. The assumptions were to explain things that were not shown, but assumed behind the scenes. A normalized relational notation that also included foreign keys. A corrected Logical E/R model, with a Relational E/R model. All of these things combined helped to create a project that portrayed the facets of course registration and all the relationships that are hidden.

**Solution**

Group five started by creating an E/R diagram that depicted the initial idea of what each entity would be, including the attributes associated with them. A data dictionary and a list of assumptions were made that corresponded to that E/R diagram. Through trial and corrections, an updated E/R diagram, data dictionary, and list of assumptions were created which lead to the creation of a SQL database that executed the project completely. The database was filled with create, insert and alter commands which created tables containing information for: students, instructors, courses, ta assistants, la assistants, lab sessions, tutorial sessions, pre-requisites, anti-requisites and finally enrolled. Information was inserted into those tables and relationships were made by implementing foreign and primary keys. Once the SQL database was corrected and complete, queries were executed to pull out the necessary information from the database.