# COP 4710 Database Project

## Goals

1. User Registration
2. User Types
   1. Super Admin
      1. Creates a profile of a university, including (but not limited to):
         1. University Name
         2. Location
         3. Description
         4. Photo
         5. Number of Students
         6. Pictures
   2. Admin
      1. Owns an RSO (Registered Student Organization)
      2. Create events
      3. Affiliated with one University
      4. Affiliated with >= 1 RSO’s
   3. Student
      1. Uses the application to look up information on events
      2. Request to create a new RSO
      3. Join an existing RSO
      4. Can be assigned administrator of RSO
      5. Can retrieve events according to their access level
      6. Able to see events from their RSO’s
      7. Able to see events from their locations
3. Grab locations from map
4. View events by University
5. View events by Location
6. Different types of events
   1. Fundraiser, TedTalk, etc.
7. Event Privacy Level
   1. Public
      1. Seen by everyone
   2. Private
      1. Seen by students of the host university
   3. RSO
      1. Seen by members of the RSO
8. Events must be approved by the Super Admin if they were not created by RSO
9. Add, remove, edit comments on Event
10. Rating the event (out of 5 stars)
11. Social Network integration
    1. Posting from Facebook, Twitter, etc.

## Stretch Goals

1. Event feeds from Universities
2. Social Network Integration
3. Geocoder with user-location

## Technical Requirements

1. The software must include at least 5 relational tables.
2. The software must include at least 10 SQL queries.
3. The website and database must support multiple concurrent users.
4. The application must have a browser-based interface and can be deployed on Internet.
5. The capabilities mentioned in the project description are worth 80 points (out of 100 points). Each team can design and implement additional features for the remaining 20 points. Extra credits will be given to outstanding user interface and special features.
6. Programming languages that can be used for the project: HTML, Javascript, PHP, Java, CSS, and stored procedures. DBMS’s: Oracle, SQL Server, and MySQL. Other languages and DBMSs are acceptable provided that your app can be installed with the files to be submitted in the report. Check with the TA/Instructor.
7. Advanced features: company’s policy, requirements, detailed description of plan, SQL code (e.g., to automatically run backups and send messages to Admin)

## Database Schema

1. Users Table
2. Locations Master Table
3. Universities Master Table
4. User-Type Master Table
5. User-University Relationship Table
6. RSO Table
7. RSO-Users Relationship Table
8. Privacy Level Table