For this project, you will work in pairs. You will work with someone that you haven't worked with before this quarter. I would also suggest that you go over this tutorial about database design: http://www.databaseanswers.org/tutorial4_getting_started_with_db_design/index.htm

You are to create a relational database with a minimum of three tables. Draw an ER diagram for the database schema and turn it in by Friday, March 5th, beginning of the class. It shold display clear objectives/goals of your tables/database. You will work together to come up with:

- a clear understanding of what kind of questions your database is going to answer
- how do you know these are good/useful questions
- what are the appropriate queries to answer those questions
- how are you going to display those answers
- how is user going to interact with your database
- is your user going to be authenticated
- what are the 'new' features you are going to include here (data charts along with your data tables might be a good feature https://webdesign.tutsplus.com/tutorials/
- data-visualization-with-datatablesjs-and-highchartsjs--cms-29691)
- readme.txt to outline your database design

Guidelines:
- Your database design should demonstrate your clear understanding of normalizing a database (5 points)
- Your database should be complex enough for a quarter project (8 points)
- User interface should be easy to navigate and aesthetically pleasing (5 points)
- Good use of bootstrap, jQuery plugins, JSON, AJAX and PHP, MySQL technologies (5 points)
- Should have a visual component to it that includes tables, charts etc. (3 points)
- Come up with a unique idea about a database that is socially responsible and IMSA friendly (2 points)
- Good documentation throughout the code (2 points)
- Overall design, implementation, readme.txt and meeting the intermediate deadlines (3 points)
- Creativity and uniqueness of the project (2 points)

Total possible points: 35

Intermediate Deadlines:

Tuesday, March 5th: ER diagram due: Submit on moodle
Friday, March 8th: Database and Tables (populated) in place
Tuesday March 12th: User Interface, authentication implemented

Due: March 15th Friday by 1:00pm on moodle