**Group 23 Project Proposal**

* TeamUpp (Working title)
* Team Competency (all are Juniors/3rd year students):
  + Matthew LaMarche
* 4ish years of Java
* Spent a summer on web development(HTML, CSS, Javascript)
  + Collin Farrell
    - Two semesters of Java
    - One semester of C and C++
  + Jeffery Schons
    - 2 semesters of java
    - one semester of c and c++
    - some basics of python
  + Matthew Lee
    - Two semesters of Java
    - Summer internship using Python
    - Semester of C++
    - Some brief work with HTML/CSS/Javascript/MySQL
* Description of project
  + TeamUpp is an application that allows clubs, teams, or groups to connect through it. The thing that makes TeamUpp unique is the fact that all information pertinent to the club’s activities, events, people and even more is all contained in one convenient application. Each club can personalize their own TeamUpp with its modular design so clubs only get what they need out of the app.
  + In theory, TeamUpp will consist of a server (backend) that stores the information for the group members as they interact with the app (frontend) on their phones. The base app will consist of several core components (calendar, social media, chat, etc.), with the ability to expand based on the needs of the group (for example: a running club could create a module for creating and tracking individual workouts). The app will also contain a robust user management system, as group execs will have different options within the app than common users.
* Language/Platform/Libraries
  + Java for backend
  + HTML, CSS, Javascript for front end
  + PhoneGap
  + Google API
  + Social media use (facebook, twitter, etc.)
  + Android and iOS
* What makes this project large/complex?
  + lacking experience in one or more of the languages/platforms
  + integrating many different components
    - database, messaging, interconnecting with social media, calendar, custom modules, user rights/access