6.470 Submission

Tango

Demo account:
username: ray_li
password: admin

1. What is the name of your website?
> Tango

2. What is the url for your website?
> http://ray_li.scripts.mit.edu/tango

3. List the name, school (if not MIT), year, major, and number of years of web programming experience of everyone on your team.
> Ray Li, 2012, CS, 5 years
> Jessica Lin, 2012, CS, 1 year

4. Describe the problem your website aims to solve.
> Students often learn best from each other, and therefore like to take classes with their friends. Currently, there's no tool at MIT to help identify who is taking a class, and sometimes students don't realize which other friends are taking a class if they skip lecture. We aim to make it easy for students to connect even before the semester starts, and plan out their schedules while being able to see what their friends are taking. In the short term, this will help people form study and project groups; in the long term, it can help a student plan out their courses for four years, alongside peers.

5. Describe how your website solves this problem.
> Tango allows students to find friends and other classmates who are taking the same classes. It makes course-shopping a social event and helps students discover missed connections and make new friends who are classmates.
> Users register with their graduation year and major, which makes it easier to identify relevant peers in search. Students can create lists of courses they will take in the following semester, as well as courses they have taken in the past and courses they wish to take in the future (the Course Wishlist).
> Tango also has a visualization tool that maps out a student's lecture locations across campus over time. A student can see where he and his friends are at any point or all points of the week. This can help people plan meet-ups for studying.

6. What backend technology did you use?
> Django web framework

7. What frontend technology did you use?
> JQuery, JQuery UI, CSS3

8. List all of your site's features.
1. Browse the course catalog and see the total registration of each class, along with the names of any public users or friends.
2. Create and see class schedule throughout the week.
3. Find friends through mutual classes or majors.
4. Map the location of their classes (Map it!)

9. Describe which feature(s) are most important and describe why/how that adds to the core value of your website.
> The most important features of the site are:

- the Course Listings, which allows the user to browse through MIT's course catalog alongside a list of people taking each course;
- the Profile Page with its ability to create different lists of courses to take, which helps users plan their schedules with friends and acquaintances;
- and the Google Maps visualization, which helps connect people on campus.

10. Tell us what you think makes your site cool and/or unique.
1. This site addresses a real concern of MIT students. We often end up using long, disorganized email chains to plan classes with others. Especially in larger classes, we might only find out that someone we know is taking a course halfway through the semester, because we managed to miss each other in lecture. This site can also act as a good resource for finding people who have taken a certain course in the past, in order to get their opinion about it.
2. We think the visualization of a student's path through MIT on Google Maps is pretty cool. There's a lot of potential for this tool if further developed, such as helping to plan meetups or lunch breaks during the day.

11. List all 3rd party API's, 3rd party plugins, open-source code, etc that you used.
- Grid960
- JQuery
- JQuery UI - autocomplete
- Django web framework
- Glyph icons - http://www.designkindle.com/2011/10/13/glyph-icons/
- Google Maps API
- Data mined from the MIT Subject Listings

12. Does your site fit within the MIT Utility category?
> Yes, it helps students connect to classmates while picking classes to take.

13. Does your site fit within the Philanthropy category?
> No

14. Will at least one of your team members be able to attend judging on Wednesday and awards on Thursday if you are chosen as a semifinalist?
> Yes