Project Idea

I would like to create a website that allows users at Penn to coordinate cab rides with one another: **PennCab**. A good usage example is for cabs to and from the airport: let's say after Winter Break you have a flight back to Philadelphia that lands at, say, 9:00pm and you don't want to pay the $30+ for a cab by yourself. You can create a cab ride on the website that others (anyone at Penn) can join, and then you can share the ride back together!

Goals

1. Users should be able to create "cab rides" with the following constraints:

    (a) Maximum number of people (defaulted to 4)

    (b) Origin

    (c) Destination

    (d) Date

    (e) Approximate departure time

    (f) Optional: Event/Purpose

2. Users should be able to join any cab that is under capacity and in the future.

3. After users have signed up to take a cab together, their contact information will be shared amongst each other so that they can coordinate properly.

4. Sign-ups only allowed with upenn.edu email address.

5. Front-end will probably be built using a front-end framework (such as Bootstrap or Foundation) so that the focus on the project can be backend functionality in Python.

Stretch/Time-Permitting Goals

1. Share links to cab rides on social networks (namely, Facebook and Twitter).

2. Be able to distinguish and create both public and private cab rides. Private cab rides could be used to coordinate with friends, for example.

3. Better way of ensuring only Penn students can sign up for website (e-mail verification?).

4. TBD!

Expected Python Package Usage

The main packages I will be using are Flask or Django, and a database package (probably MySQLdb or PyMongo).

Team Members and Divison of Labor

Just me!