CS411 Group5
Project Proposal

User goes to website (search page)
Searches for name (or hobby, which links to BU map of people with that hobby)
If a user is searched. Results page is a google search, lists profiles associated with that name (WILL use FB, SHOULD use Twitter)
Click on desired profile, go to profile page.
On profile page, display top 3 user interests.
Click on interest -> show map filtering people who also have that interest at BU
Click on user-based map -> shows user and his mutual friends mapped by interests (edges determine who's friends, color coated for interests, multiple levels for friends of friends)

Profiling and Visualizing Connections

Web application that creates user profiles detailing interests and most frequently discussed topics (obtained from twitter/facebook) and links these people with mutual friends that have those same interests.

- APIs: TweetSentiments, Facebook, whatever else
- Database: contains profile on users, updates every search or every 30 days
  - Assuming updating on search doesn't take too long
- Views:
  - Front page/search
  - Personal profile
  - Relationship maps
  - Group estimation/profile

Bitcoin visualizations

Web application that visualizes a global map of bitcoin transactions. Users will be able to zoom in on a defined region and see transactions within that region as well as other information regarding those transactions. Also maps various data mining information within regions.

- APIs: Blockchain API, Google maps
- Database: holds number of number of bitcoin per capita for popular regions
  - Logs transaction volume (count & notional value) for specified regions
- Views:
  - Front page/list of regions
  - Region info
  - Global map/info (make sure zooming will adjust the size and number of transactions accordingly
  - Bitcoin mining (how much is mined/how much computational power it takes to mine the next block)