YukOrYay

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- A detailed written description of the database application you choose.
    - Our group chose to pursue a public opinion polling application, scraping anonymous, local message-board apps for 'blurbs' and analyzing for aggregate trends. Given the proximal, location based information provided with each blurb, insight-provoking visualizations can be generated from the data. For example, a word cloud might be generated for each block in a metropolitan area, or a heat map might illustrate the relative optimism/pessimism of a certain area.

- *Requirement analysis:* A list of the different types of users your application involves, and their requirements.
- *The application is built around viewing the content, which is updated by a user's request.*
    - User
        - view database records on a Google Maps panel
        - perform simple filter queries on result set
        - designate area to scrape for social media posts
        - select a record to view content, sentiment, and metadata (creation date, scores)

- *Functional analysis:* A description of the functionalities your final system will provide (note: you may group the functionalities by each type of users your system supports).
    - User
        - PHP script automatically accesses SQL db, and passes records (in JSON) to Javascript for initializing Google Maps Markers
        - Filter queries occur on pages identical to homepage.php, with slight SQL query modifications (e.g. ORDER BY score desc)
        - Javascript to create bullseye object, and JS/PHP to pass it's origin coordinates to scrapeTweets.php
            - ScrapeTweets.php is a script to perform HTTP GET requests to Twitter's RESTful API
        - Javascript to create InfoWindow object on clicking a tweet/yak, and dynamically filling the InfoWindow with that database records information.