Nano-twitter v0.5

https://github.com/Ash-cloud/nanotwitter
http://nanotwitter.herokuapp.com/

Ash-Cloud: Andy Alexander, Mark Capobianco, Jinfeng Lin, Ruoyun Song

Load Tests:

Unlogged-in Root: http://ldr.io/1DCDwWd

Test profile(loggedin_root): http://ldr.io/1HWy0nm

Test tweet: http://ldr.io/1DCCOIw

Test follow: http://ldr.io/1HWxzcM

Load Test Summary:

Redis implementation dramatically improved our speed without affecting posting of tweets.

Significant Changes from v0.4

1. Implemented Redis for Unlogged Root 100 recent tweets
    a. Array of 100 most recent tweets stored in Redis in JSON
    b. When a new tweet is made, the array is taken out of Redis, updated, and put back in Redis as JSON
2. Implemented Redis for Logged in Root timelines - add to Redis after first get.
    a. When user goes to Logged in root, the redis is checked to see if their timeline is being stored there. If so, get the timeline out of redis and avoid database calls
    b. If the timeline is not in redis, get it from the database and put it into redis
    c. When a tweet is posted, go through the tweeter's followers and get their timelines out of redis, update them with the new tweet, and put them back in redis. If a follower's timeline is not in redis, get their timeline using database calls and put it into redis.
3. Implemented Bootstrap for all pages
    a. Improved visuals for nanotwitter
    b. Profile pictures generated each time a profile page is called

c. Tweets appear in boxes with name and time

Future Implementations

1. Enable Search function in navigation bar.
2. Enable Who you Follow, Who follows you features on loggedin root page
3. More experiments with Redis with larger Redis Cloud
4. Allow for Password Updates
5. Increase Password strength
6. Allow Users to load profile image
7. Implement Mentions and Hashtag features
8. Filter Follow Recommendations to users not followed