In the spirit of the developer culture of BNOTIONS, we are challenging you to build an application using modern technologies. We can assure you that learning the technologies and languages used in this application will be useful in your career.

Technology Requirements:
- Django (https://www.djangoproject.com/)
- Javascript on the front end --- (your choice of libraries/frameworks)
- Recommended libraries: Django Rest Framework (http://django-rest-framework.org/), AngularJS (http://angularjs.org/) or BackboneJS (http://backbonejs.org/)

For a true single page app experience --- We recommend using Django Rest Framework with AngularJS, however this is up to you.

Development Process Requirements:
- Test Driven Development (yes you can and should TDD client side code)
- Documentation (Implementation, Design)

Create a twitter like service with the following basic functionalities:

How: Write web application using django on the backend, as well as javascript on the front-end.

Note: Feel free to improve the world in any other way and explain the requirements to us.

Raw Requirements:

1. A login page for users to sign in and a link/portion for registration if user is not in the system.
2. Once logged in, the user is directed to the home page where the user can post "tweets". Tweets appear with timestamp below on the users home page.
3. A logged in user can search for other users and decide to "follow" them. Users cannot control whether they can be followed or not in this implementation. If a user is part of the system, then anybody can follow them.
4. Tweets made by people the user follows also start to appear on the users home page. Page does not need to be refreshed for new tweets by other users to appear on the page.
5. If a user decides to "un follow" somebody, past tweets are removed from that users page and no more future tweets appear.

In designing and implementing this system, feel free to correct things in twitter that you don't like or always wanted differently.

User Stories:

- As an anonymous user, I should be able to register and login to the application in one step.
- As an anonymous user, I should be able to login to the system if I already have an account.
- As a logged-in user, I can search for other users.
- As a logged-in user, I can “Follow” another user, this subscribes me to their tweets.
- As a logged-in user, I can view all tweets from the users I have “Followed” on my home page
- As a logged-in user, all tweets on the user hompage must include a human-friendly timestamp.
- As a logged-in user, my home page will automatically update with the latest tweets without a page refresh.

- As a logged-in user, when I “un follow” an individual, past tweets are removed from that page, and no future tweets appear.

Rough Wireframes:

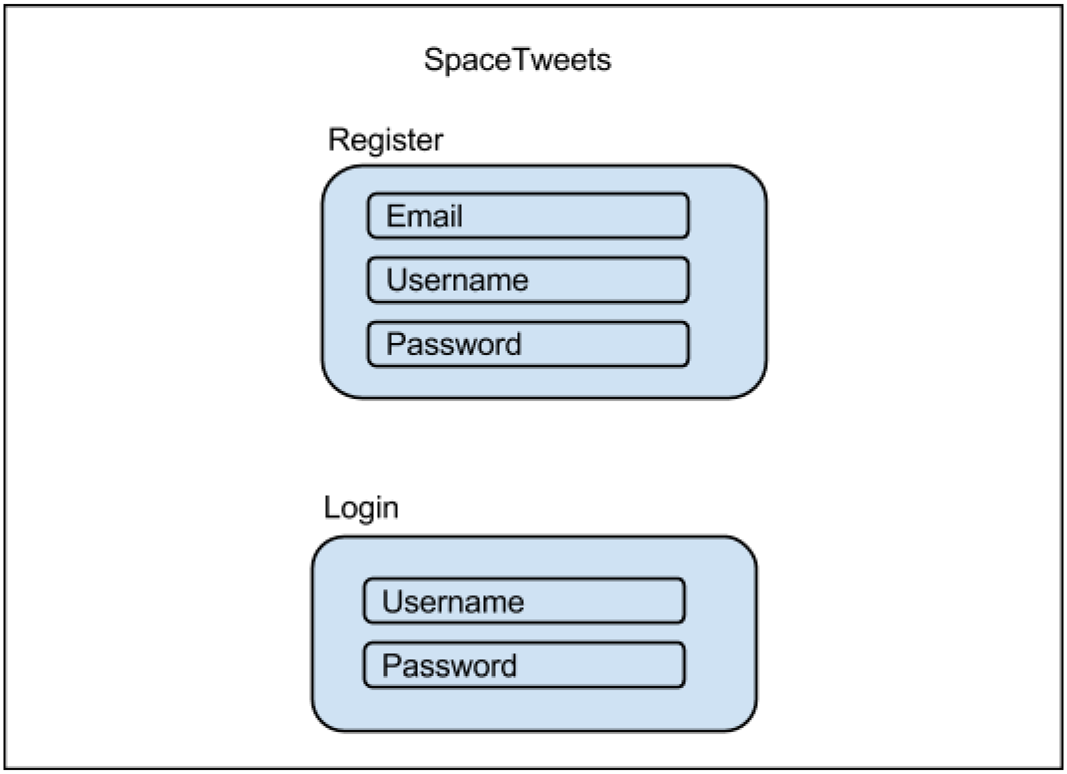

Figure 1: Login/Register Page

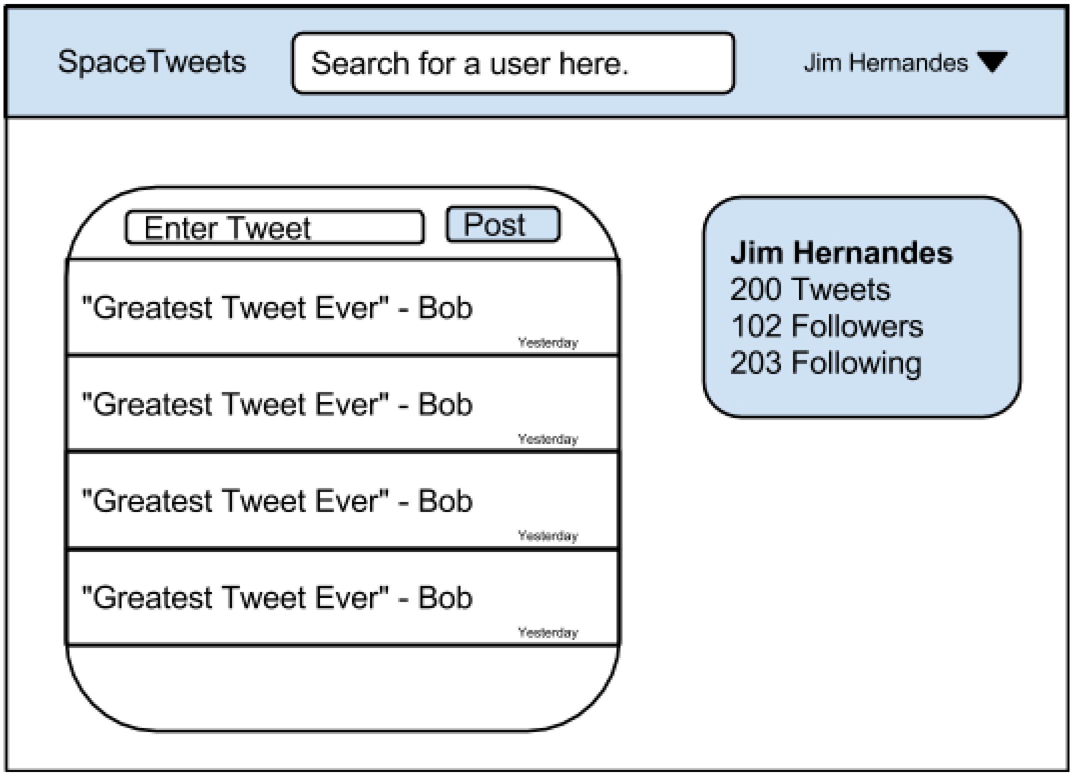

Figure 2: Example user homepage
Note: **You do not need to adhere to these wireframes at all.** They are there for some rough guidance and visualization, feel free to modify/change the layout.

If you are not a designed inclined person (thats totally cool), we suggest using something like Bootstrap (http://twitter.github.com/bootstrap/) or Foundation (http://foundation.zurb.com/) to make your application look less ugly. (OPTIONAL)

We also want to see your personal flair, features and easter eggs too.

When you are all done, upload the code to http://www.github.com and send us a link.

If you have any questions please email us

There is no hard deadline on your submission --- but ideally we would like to see it in 1-2 weeks.

We’re looking for code quality that demonstrates care and thought put into every line of code.