

Name: Smalltalk

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## **Overview:**

System: Smalltalk as an application will feature all the basic features that a micro blog like twitter possesses. Our application will be geared with developers in mind, featuring a new Language Tag function for tweets as well as Scrums in which groups or collaborators can work together to achieve a common goal. Smalltalk aims to be a social environment for developers that propagates loose group affiliation through scrums and in depth language discussions with language tags.

Disclaimer: We (the creators of this application) are not responsible for any and all damage/issues caused by the use of this application. This application has not yet been sufficiently refined, and therefore should not be used. Possible damages include complete and utter destruction of civilization as we know it. Side effects include Godzilla spawning in your neighbor's backyard and eating their dog. If you are pregnant, you should refrain from using this application as Godzilla may be hazardous to your health. Captain Underpants shouldn't even use this application, it's that dangerous.

## **Language Tag (%) Functionality:**

Language Tags work very similarly to hashtags in twitter. The major difference between the two is that Language Tags begin with a % sign instead of a #, and are specific to programming languages. Well known programming languages can be tagged and will be highlighted. New less frequently used languages can still be Language Tagged, they will just not receive a color coding. This exists primarily to prevent typo's.

## **Scrum Functionality:**

a Scrum is an adhoc group or affiliation of users on Smalltalk who want their own private space to discuss programming. It is comparable to a facebook group, in which users can have public or private scrums where posts can either be seen by users outside of the scrum or only users apart of the scrum. Scrums are aimed at fast paced brainstorming and collaboration. Scrums usually don't persist very long, but potentially they could last as long as the users are active within them.

## **Scenarios:**

### **Language Tag (%) Functionality**

a user (Ryan) has developed a new language, and wants to tell the Smalltalk universe about it. he creates a new tweet which describes his new language. "Just created my brand new %Java spin-off language, it's called %Juva". Java being a well known language will be highlighted in a

new color, but since Juva is not a well known language it will not be color coded.

### Scrum Scenario

a user (Scott) is really excited about ryan's new language, Juva. He wants to make a team of developers to discuss his next brilliant application idea that he plans to be coded in Juva. He creates a scrum and adds two additional users to talk about their new ideas. Scott's scrum is a public scrum, and therefore others can see if they post a tweet regarding %Java or %C++

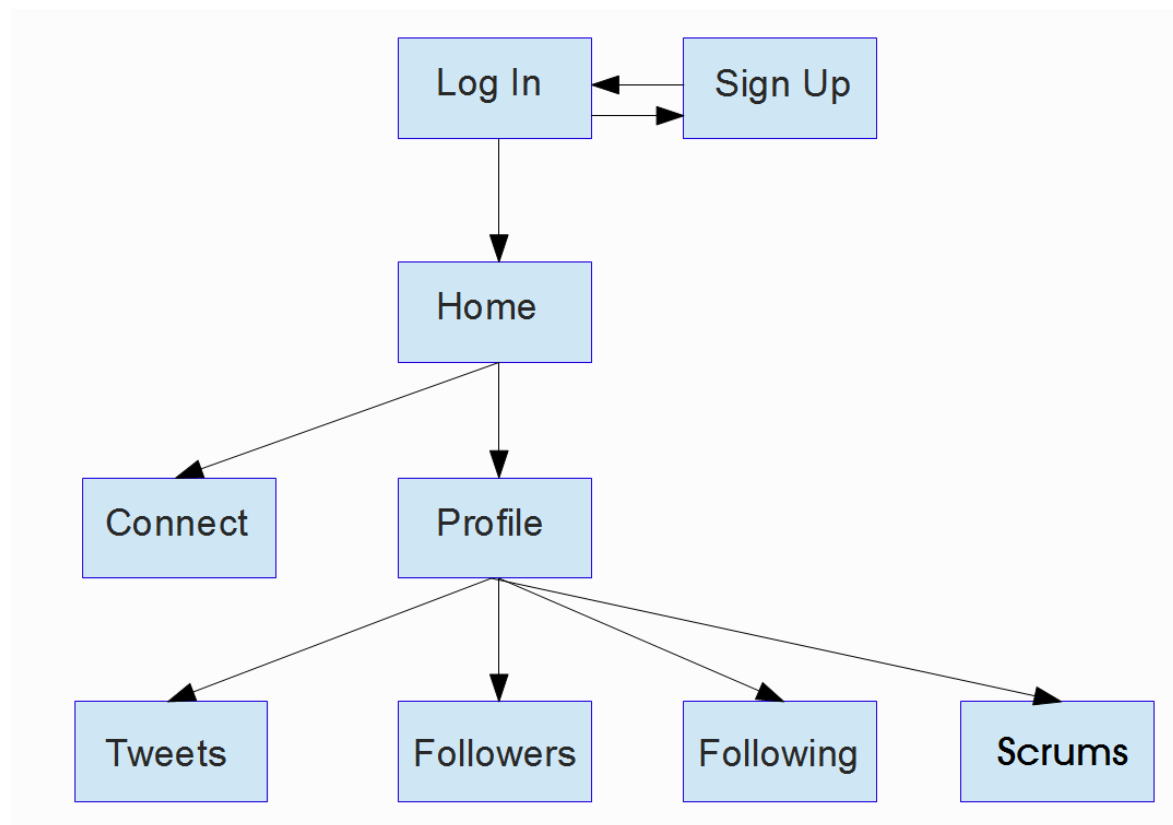
### **Non-Goals:**

Poking

Mobile connectivity/functionality

Favoriting tweets

### **Flowchart:**



## **Screen-by-Screen:**

Sign Up Screen: In the center of the screen will be text fields for email address, password, username, and real name. At the bottom of these will be a submit button. Filling out the form with valid information and clicking submit will create a new account and bring the user to the login screen.

Login Screen: A username and password field will be in the center of the screen. Some text along the lines of “Welcome to [insert name of application here]” will be centered and right above the username and password field.

Home Page: The user’s timeline will live here. “Tweets” from all followed users will be present here, as well as how long ago the tweets were sent. At the top right-hand part of the screen, there will be a button for composing a new “tweet”, as well as a button for searching for friends or hash feeds. Scrolling up beyond the newest tweet will refresh the timeline.

Profile: A feed of all tweets related to the user (mentions and group tweets) will be shown here, as well as the search and compose buttons in the top-right hand side of the screen. Your profile picture and your name will be at the top of the screen, above the number of “tweets” you have sent and the number of people you are following/being followed by.

Friends’ Profile: Similar to your own profile, friends profiles will have a feed of posts related to them. Their name and profile picture will be at the top, as well as number of total posts and links to a list of their followers and people that they follow.

Settings: A link on the home page would take the user to the settings page. This page would allow users to update their email address, change their password, update their profile picture, and change email notification settings. It would also let users deactivate or permanently delete their account.

Scrum: A link on a user’s profile will show all existing scrums (private scrums are hidden from public viewing) that a user is apart of. clicking these links will route the user to the scrum’s unique pages.