Textagochi MVP Design

# Summary

The MVP version of Textagochi will exist to test assumptions and gather data regarding the willingness to use an app that does the following:

* Records usage data regarding various standardized phone features, such as SMS and calling.
* Utilizes gathered data to reflect changes in the app, in the form of displaying usage statistics.
* Runs a service in the background to gather this data while the app itself is not actively open.
* Does not record the contents of this usage, just the record of the usage itself.

As such, this version will be rather barebones – it simply has two parts to it: A service to collect data and an app to reflect data.

# Data-Collection Service

This service runs in the background passively when the app is first run and enabled. It performs the following functions:

* Keeps a data collection internally that iterates the following usage statistics:
  + SMS Sent
  + SMS Received
  + Calls Send
  + Calls Received
  + Total Call Time\*
  + Emails Sent\*
  + Emails Received \*
* Relays this data to the app the next time the app is run, and then flushes its stored data cache

\*Due to ongoing research into the Android SDK and architecture, some of these may not be feasibly implemented.

The service is enabled when enabled through the app.

# Data-Reflection App

The app itself is an application users can open to view their usage statistics and enable/disable the stat-tracking service. It performs the following functions:

* When run, checks the service (if applicable) for any data updates and adds them to the existing statistics data.
* Displays a list in text of the data collected.
* Displays a sample image of a mon that scales along its X and Y axes based on SMS received/sent.
  + Starts out fairly small, scaled down greatly to give it room to grow.
  + Grows wider as you receive SMS (1% additive width per SMS received).
  + Grows taller as you send SMS (1% additive height per SMS sent).
* Contains three buttons:
  + Service On/Off
    - Toggles the service on and off.
    - Depending on what’s easier to communicate to the user, this may be a checkbox instead of a button.
  + Reset
    - Resets the data stored within the app and the service.
  + Privacy Policy
    - Displays a page of text reflecting what data is collected and how it is used. (emphasizing that we don’t keep records of who this data pertains to, if we even get the data back to ourselves at all).
    - This should be in simple English that people can actually read and understand.

When first run, display a message stating what the app does, and that it requires you enable the service for it to work.

The app itself will be visually-simple, just displaying text with the buttons at the bottom of the screen, with the sample image in the center of the screen. The sample image scales in size based on SMS sent and received – 1% larger on Y per SMS sent and 1% larger on X per SMS received, additively.