**iOS Proficiency Exercise**

**Overview**

To verify coding standards and iOS knowledge, we ask that the developer(s) who will be performing work for us complete this small test. This proof-of-concept exercise will be evaluated on both the code quality and the final product with equal weighting

**Specification**

Create an iPhone app which:

1. Ingests a json feed from <https://dl.dropboxusercontent.com/u/746330/facts.json>
   * The touchJSON library can be used to parse this json if desired.
   * The feed contains a title and a list of rows
2. Displays the content in a UITableView
   * The title in the navbar should be updated from the json
   * Each row should be the right height to display its own content and no taller. No content should be clipped. This means some rows will be larger than others.
3. Loads the images lazily
   * Don't download them all at once, but only as needed
4. Refresh function
   * Either place a refresh button or use pull down to refresh.
   * Should not block UI when loading the data from the json feed.

**Guidelines**

1. Use Git to manage the source code. Clear Git history is required.
2. Do not use any .xib files
3. Do not use ARC. Memory should be alloced/released.
4. Should perform well on an iPhone 4
   * Scrolling the table view should be smooth, even as images are downloading and getting added to the cells
5. Support back to iOS 6.0
6. If threading is used, do no spawn threads manually by using performSelectorOnBackgroundThread. Use GCD queues instead.
7. Comment your code when necessary.
8. Try to polish your code as much as possible.
9. Style your code according to these Google guidelines (links)
   * [Variable\_Names](http://google-styleguide.googlecode.com/svn/trunk/objcguide.xml#Variable_Names)
   * [Member\_Variables\_Should\_Be\_@private](http://google-styleguide.googlecode.com/svn/trunk/objcguide.xml#Member_Variables_Should_Be_@private)
   * [Keep\_the\_Public\_API\_Simple](http://google-styleguide.googlecode.com/svn/trunk/objcguide.xml#Keep_the_Public_API_Simple)
   * [Prefer\_To\_autorelease\_At\_Time\_of\_Creation](http://google-styleguide.googlecode.com/svn/trunk/objcguide.xml#Prefer_To_autorelease_At_Time_of_Creation)
   * [Properties](http://google-styleguide.googlecode.com/svn/trunk/objcguide.xml#Properties)
   * [Automatically\_Synthesized\_Instance\_Variables](http://google-styleguide.googlecode.com/svn/trunk/objcguide.xml#Automatically_Synthesized_Instance_Variables)

Finally, each row of the table should look roughly like the following image. It does not need to be exact, but should have a title at the top in blue, the description underneath it in black, and the image (when one exists) somewhere on the right.

