

## Project Description

For my Hello World project, I created an iOS application which pulls step data from the user's phone, determines whether or not the amount of steps is greater than threshold (default threshold = 1000 steps), and prints "Hello" or "World" accordingly (less than or greater than threshold respectively). Additionally, each time the application receives information from the phone that the user has taken steps, the step counter on the application updates and the step count is pushed to a Parse database using Parse's native iOS Swift SDK. Below is a screenshot of what the database looks like:



objectId	ACL	createdAt	steps	updatedAt
bxbAKJheEE	Public Read + Write	22 Jan 2016 at 05:16:33 UTC	7123	22 Jan 2016 at 05:16:33 UTC
Tc64sM3ocM	Public Read + Write	22 Jan 2016 at 05:16:21 UTC	7189	22 Jan 2016 at 05:16:21 UTC
r1LvJ5d0J	Public Read + Write	22 Jan 2016 at 05:15:48 UTC	7182	22 Jan 2016 at 05:15:48 UTC
LwaKLM18CE	Public Read + Write	22 Jan 2016 at 05:15:46 UTC	7098	22 Jan 2016 at 05:15:46 UTC
Jagdx4X1Ue	Public Read + Write	22 Jan 2016 at 05:15:26 UTC	7088	22 Jan 2016 at 05:15:26 UTC
w5J1pNkceV	Public Read + Write	22 Jan 2016 at 05:05:52 UTC	7088	22 Jan 2016 at 05:05:52 UTC
BwkrJ3xov4	Public Read + Write	22 Jan 2016 at 05:05:01 UTC	7088	22 Jan 2016 at 05:05:01 UTC
ZKXpJRBEMo	Public Read + Write	22 Jan 2016 at 05:04:27 UTC	7088	22 Jan 2016 at 05:04:27 UTC
qQT0uXANx	Public Read + Write	22 Jan 2016 at 04:58:26 UTC	7088	22 Jan 2016 at 04:58:26 UTC
dZvna12ay	Public Read + Write	22 Jan 2016 at 04:56:45 UTC	7088	22 Jan 2016 at 04:56:45 UTC
ci4ewmJ8d	Public Read + Write	22 Jan 2016 at 04:56:43 UTC	7086	22 Jan 2016 at 04:56:43 UTC
F18c1ez8TX	Public Read + Write	22 Jan 2016 at 04:56:10 UTC	7070	22 Jan 2016 at 04:56:10 UTC
2fQ9wvO1qu	Public Read + Write	22 Jan 2016 at 04:46:14 UTC	7070	22 Jan 2016 at 04:46:14 UTC
2wXVVBH6D4	Public Read + Write	22 Jan 2016 at 04:45:23 UTC	7070	22 Jan 2016 at 04:45:23 UTC
uZKpQWJ5Ch	Public Read + Write	22 Jan 2016 at 04:43:58 UTC	7070	22 Jan 2016 at 04:43:58 UTC
Tz7AhKvY75	Public Read + Write	22 Jan 2016 at 04:17:29 UTC	7053	22 Jan 2016 at 04:17:29 UTC
WbKSubu6Am	Public Read + Write	22 Jan 2016 at 03:47:23 UTC	5513	22 Jan 2016 at 03:47:23 UTC

## Running the Application

1. The project can be downloaded from here: <https://github.com/kapil1garg/mhealth-hello-world>. The Parse database is already set-up and configured to work with the application, so you will not need to change any settings.
2. This application **MUST** be deployed on device for step counting to work. To do this, you will need to update the provisioning profile in the XCode project settings with one that has your devices on the profile (see here: <https://developer.apple.com/library/ios/documentation/IDEs/Conceptual/AppDistributionGuide/MaintainingProfiles/MaintainingProfiles.html>)
3. Once the app is running on your phone (either via cable tether or Ad Hoc .ipa build), make sure that fitness tracking is turned on (see here: <http://osxdaily.com/2014/10/08/track-fitness-health-app-iphone/>) and the app is approved to use fitness data (see Settings → Privacy → Health)
4. Open the app and start tracking. Note: it may take about 30 seconds for readings to first start coming in. It takes some time for the sensor to start registering data.