Readme file for the development of ble\_heart\_rate\_template\_with\_\_battery\_service project.

5.7.2013 – Comment from Stefan Birnir Sverrisson

The current state of the project is this.

* The Heart rate service is working with simulated data and connect with the nRFUtility hrm in iPhone 5.
* The battery service is working with actual data from the ADC which requires external setup of a voltage divider to get the correct voltage range on the A0 analog pin. This voltage divider is not current sufficient (110 uA). Still have to decide what is the most suitable method to reduce that current, perhaps changes both in hardware and software, perhaps only in hardware.
* Heart rate and battery services both have one element data buffers now, the functionality of this has not been tested.

Todo:

* Test functionality of data buffer for heart rate and battery services
* Make a decision on current reduction method trough the voltage divider and implement that in hardware, and perhaps also in software.
* Modify data buffer implementations for both heart rate and battery services so the buffers can hold configurable amount of elements.
* Create documentation for the functionality of the services and how they can be configured.