Heading: Sprint 2 Plan ,Bicycle remote sensing,Team BRS, sprint completion: 2/20/15, revision 1.0 ,revision date 2/12/14

Goal: The goals for this sprint include having efficient accurate data for android device. Additionally we want to have an android application that is polished and capable of interpreting data to useful knowledge for user.

User Stories:
User Story 1 "As a user I want a graphical display that readily shows and warns of dangers around me"
-Task 1- Display needs a radial map background that has 6 slices showing field of view (f.o.v) of each sensor.(time estimate= 3/2/?/?/?)(completed)

#edit we will not accomplish this because of hardware limitation -Jake
#Task 2. - show change in distance visually through colored wedges
-Task 2- objects should be tracked as enter and leave sensors f.o.v(time estimate=6/?/)
-Total for user story 2: 9/6/? hours

User Story 2 "As a developer/user I want only accurate data to be send to android application"
-Task 1- data collection needs to have error detection to catch faulty numbers like possible crosstalk or objects that no pose no danger.(time estimate= 5)
-Task 2- data needs to be packaged in a way to be sent successfully across serial(time estimate= 2)
-Total for user story 3: 7 hours

User Story 3 "As a user want a safe data connection be to sent so the application doesn't unexpectedly close"
-Task 1-Signal errors, thread closing, stopping buffer overflow on arduino

User Story 4 "As a developer I want the specifications of the sensors in use, including fov and max distance"
-Task 1- determine the working field of view of sensor(time estimate= 2/3?)
-Task 2-determine max distance that sensor will be able to detect(time estimate=2/3?)
-Total for user story 5: 4?? hours

User Story 5" As a user I want an app that lets me select what is displayed to me and when to alert me of incoming objects"
Task 1- a settings option to select proximity of objects to detect (time estimate= 2/2/?)
Task 2 -a settings option that allows for alerts to be turned on and off (time estimate= 2/1/?)
Task 3 -a settings option to select additional notifications(flashlight)(time estimate= 3/2/?)
Total for user story 1: 7 hours

Team Roles:
Jacob Defilippis-developer
Anthony Bao-developer
Lester Pi-android developer
Daniel Huynh-arduino developer,hardware tester
Luis Gonzalez-arduino developer

Initial Task assignment
Jacob: user story 1,3. initial task 3.1,1.2
Anthony: user story 1.initial task 1.1
Lester: user story 5.initial task 5.1
Daniel: user story 4.initial task 4.1
Luis: user story 2.initial task 2.1

Scrum Times: Tuesday 6:30, Thursday 6:30(TA attends)