G.U.A.R.D.

Iteration Plan

# 1. Key milestones

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Iteration start | 27/2/2017 |
| Working Bluetooth | 10/3/2017 |
| Sensor | 10/3/2017 |
| Hardware | 10/3/2017 |
| Iteration stop | 13/3/2017 |

# 2. High-level objectives

* Sending coordinates between a mobile phone and SmartCar
* Controller functionality over all Android Devices
* Video streaming

# 3. Work Item assignments

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name or key words of description** | **Priority** | **Size estimate (points)** | **State** | **Reference material** | **Target iteration** | **Assigned to (name)** | **Hours worked** | **Estimate of hours remaining** |
| WiFi | Medium |  | Completed |  | 2 | Justinas | 15 |  |
| Sensors | High |  | In Progress |  | 2 | Axel | 15 | 5 |
| Bluetooth | High |  | Completed |  | 1 | Joacim | 10 |  |
| Controller | High |  | Completed |  | 1 | Joacim | 5 |  |
| Hardware/Schematics | Medium |  | Completed |  | 2 | Erik | 20 |  |
| Maps | Medium |  | In Progress |  | 2 | Gabrielle | 30 | 10 |
| Calculate the degree | Medium |  | In Progress |  | 2 | Boyan | 15 | 10 |
| Battery | Low |  | Completed |  | 2 | Erik | 10 |  |
| Video Stream | High |  | In Progress |  | 2 |  |  |  |

# 4. Issues

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| Lacking in communication | Addressed | Miscommunications resulted in differing understandings of the definition of done for tasks |
| Time constraints | Addressed | Not much time could have been allocated to the project due to other courses |
| Hardware | Addressed | Did not have access to all the hardware that was required |

# 5. Evaluation criteria

## Performance of Arduino

## Controller consistency over all android devices

## All sensors are preforming to the same standard

## Values are transmitted over Bluetooth

## A favorable response provided by the product owners

# 6. Assessment

|  |  |
| --- | --- |
| Assessment target | Sprint 2 |
| Assessment date | 13/03/2017 |
| Participants | Emil Alegroth, Chiara Lucatello, Mayra Soliz, Axel Granli, Boyan Dai, Erik Laurin, Gabriel Bulai, Joacim Eberlen, Justinas Stirbys, Shaun McMurray |
| Project status | Late |

## Assessment against objectives

Maps, Video Stream, and Sensor were not completed during this iteration.

## Work Items: Planned compared to actually completed

Video stream was not finished, which was a milestone for this sprint.

## Assessment against Evaluation Criteria Test results

The SmartCar’s Arduino board preformed below standards due to the software architecture. Bluetooth was

revised due to lack of functionality. The video stream had a large delay and was assigned to be revisited.