G.U.A.R.D.

Iteration Plan

[Note: Text enclosed in square brackets and displayed in blue italics (style=InfoBlue) is included to provide guidance to the author and should be deleted before publishing the document.]

# 1. Key milestones

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Iteration start | 13.03.2017 |
| App with analog controller fully functioning | 24.03.2017 |
| Retrieving GPS data from GPS-device in real-time | 22.03.2017 |
| Parking sensors | 22.03.2017 |
| Iteration stop | 27.03.2017 |

# 2. High-level objectives

* Finish the parking sensors feature
* Finish receiving GPS coordinates from GPS device on SmartCar
* Start working with GPS-following
* Implementing a video stream from SmartCar to mobile application
* Display SmartCar’s position on map
* Move all analog controller code to application

# 3. Work Item assignments

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name or key words of description** | **Priority** | **State** | **Reference Material** | **Target iteration** | **Assigned to** | **Hours worked (Estimate)** | **Estimate of hours remaining** |
| Parking sensors | Medium | 80% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint 3 | Axel Granli | 12 | 3 |
| GPS coordinates | High | 100% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint 3 | Erik Laurin | 20 | 0 |
| GPS-following | Medium | 35% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint 6 | Erik Laurin, Justinas Stirbys | 10 (EL), 10 (JS) | N/A |
| Video streaming | High | 80% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint 3 | Shaun McMurray | 12 | 3 |
| SmartCar Coordinates | Medium | 100% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint 3 | Gabriel Bulai | 12 | 0 |
| Analog controller (refactor) | High | 100% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint 3 | Joacim Eberlen | 10 | 0 |
| Code convention refactoring | High | 100% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint 3 | Entire team | N/A | 0 |
| Gyroscope implementation | High | 67% | [Trello Board](https://trello.com/b/5NQi2cqb/product-backlog) | Sprint4 | Joacim Eberlen | 10 | 5 |

# 4. Issues

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| Lacking in communication | Addressed | Miscommunications resulted in differing understandings of the definition of done for tasks |
| Need to try new practices | Addressed | Practices such as pair programming etc. will be carried out the forthcoming sprints |

# 5. Evaluation criteria

## Favorable response from product owner

## Refactoring tactic

# 6. Assessment

|  |  |
| --- | --- |
| Assessment target | Sprint 3 |
| Assessment date | 27.03.2017 |
| 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

The objectives were addressed

## Work Items: Planned compared to actually completed

All work items were addressed.

## Assessment against Evaluation Criteria Test results

The analog controller was modified to the point where it has sufficient responsiveness. No further test cases were made for this sprint, new functions, such as retrieving GPS coordinates were simply tested through rigorous use.

## Other concerns and deviations

Regardless of it being exam period, work did get produced which ultimately exceeded the expectations.