

Sprint Retrospective Document

Date: 09.01.2019

Project acronym: LPWAN

Members: Ali Şimşek, Murat Kara, Bilal Özlü, Emrah Kösen

Supervisor: Cevat Şener

Sprint 4 summary

Item ID (from the previous retrospect ive doc)	Workpackage ID (from the Kick-off doc)	Status	Group's comments
1	WP8	In progress	We have finished unit tests of gateway and end node services. Only user services left. We used axios, mocha and chai frameworks of javascript to implement unit tests.
2	WP9	In progress	We have connected front-end to back-end and achieved sign-in operation. Also, we have started to dashboard list but it is not at the level that we had aimed. We will make it soon.
3	WP9	In progress	We have tried to use Leaflet open-source map. Although we have connected to map, we could not optimize its' design and usage.
4	WP7	Complete	We have implemented a geolocation algorithm that requires at least 5 gateways. We've implemented this algorithm to be able to make a demo in the midterm. We will improve it later to reduce number of gateways.
5	WP6	Not started	Since we are dealing with final exams, we haven't been able to start working on our design document.

Sprint 5 plan

Item ID	Workpackage ID (from the Kick-off doc)	Description	Status
1	WP8	After finishing services, we are going to write automated unit tests for the service methods.	Leftover from Sprint 4
2	WP9	We will make the dashboard for listing assets.	Leftover from Sprint 4
3	WP9	We will add a map for positioning but Google maps Api is not free, so we will choose a different open-source one.	Leftover from Sprint 4
4	WP6	We will prepare a documentation of overall design of our project. We will mention about programming languages and frameworks that we used, features of the hardwares and architecture of the system.	Leftover from Sprint 4
5	WP4	We will install our application to a cloud server or remote server provided by the department.	New

Overall progress

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5
MF1	0%	0%	0%	0%	
MF2	0%	0%	0%	0%	
MF3	0%	15%	70%	80%	
MF4	0%	0%	10%	40%	
MF5	0%	0%	20%	20%	
MF6	0%	50%	60%	60%	
MF7	0%	0%	0%	0%	
MF8	0%	0%	0%	0%	
MF9	0%	0%	0%	0%	