

Sprint Retrospective Document

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Project acronym: LPWAN

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Sprint 3 summary

Item ID (from the previous retrospect ive doc)	Workpackage ID (from the Kick-off doc)	Status	Group's comments
1	WP8	Complete	We have finished CRUD services for gateways, end nodes and users.
2	WP8	In progress	We haven't started writing unit tests yet. We just used POSTMAN to test our services.
3	WP9	In progress	We did a login page for admins and users seperately. Also we did the template of dashboard which includes device and user lists. However we couldn't connect it to our backend services properly.
4	WP9	In progress	We chose Leaflet as map API. However we've encountered some problems while intergrating it into our dashboard.
5	WP3	In progress	We are still waiting for proposer company to order hardware pieces.

Sprint 4 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 3
2	WP9	We will make the dashboard for listing assets.	Leftover from Sprint 3
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 3
4	WP7	We will calculate geolocations of the assets using either multilateration or triangulation algorithm.	New
5	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.	New

Overall progress

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