

Sprint Retrospective Document

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Project acronym: LPWAN

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Sprint 2 summary

Item ID (from the previous retrospect ive doc)	Workpackage ID (from the Kick-off doc)	Status	Group's comments
1	WP2	Complete	Reading papers related to the project and inspecting documentation and code of similar projects.
2	WP8	In progress	We decided to use the Express framework for the backend services and use mLab as a cloud database. We used mLab for testing purposes, it may change. We have already written code of gateway authentication service.
3	WP9	In progress	We decided to use the React framework for front-end. We made only the login page so far.

Sprint 3 plan

Item ID	Workpackage ID (from the Kick-off doc)	Description	Status
1	WP8	<p>Creating Asset Management backend services</p> <p>We are going to write CRUD services for gateway and user. We planned to write the following services as well:</p> <p>POST methods to save and authenticate user. GET method to send user the geolocation data.</p> <p>We also implement a service for geolocation data calculation algorithm. This will not be visible to user.</p> <p>After finishing services, we are going to write automated unit tests for the service methods.</p>	Leftover from Sprint 2
2	WP9	<p>Creating Asset Management dashboard UI</p> <p>We will make the dashboard for listing assets. We will add a map for positioning but Google maps Api is not free, so we will choose a different open-source one.</p>	Leftover from Sprint 2
3	WP3	<p>Installation of LoRa sensors and gateways</p> <p>We have chosen the EBYTEE32-DTU-868L30 as gateway module, RN2483 as end-node. When we get the hardware, we will start installation quickly.</p>	New

Overall progress

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