

Sprint retrospective, iteration #4 (15-12 until 22-12)

User story	Task	Assigned to	Estimated effort	Actual effort	Done	Notes
Microservices	Writing unit and integration tests for Equipment	Femi	1.5 hours	3 hours	Yes	It took longer to refresh my memory about the different ways to test
	EquipmentResvation: adjust CRUD methods, write tests (unit, integration)	Vivian	30 min	2,5	No	.
	FieldReservation	Samir				
	FieldReservation (create Field entity, controller, service, repository)	Vivian	1 hour	1,5 hours	Yes	
	Field Reservation( Unit tests, integration tests, controller tests, service tests0	Vivian	0.5	0.5	No	Unit tests are done. Half of service testing, too. Integration and controller test still need to be done)
	Authentication Writing junit tests and mocking tests	Prajit	1.5 hours	2 hours	almost	Took a while to figure out how to mock the authentication controller class as well as the signup class.
	Fields	Joosje	1 hours	3 hours	No	Trouble finishing test of the controller. The rest is

						finished. Thinking takes a lot of time.
GitLab	Merging all branches (microservices) to dev and master	All	15 minutes	2 hour	Yes	Quite a few merge conflicts we had to solve. Make sure it passed pipeline.
Connecting	Setup the gateway module	Femi	1 hour	2 hours	Yes	
	Writing methods in gateway and own microservices	All		Still working on it	No	

### **Main problems encountered:**

#### **Problem 1:**

Description: determining how to connect the microservices and what would be the best way to do it

Reaction: did some research and ask our TA what we'd recommend

#### **Problem 2**

Description: merging our branches together

Reaction: manually fixed it.

#### **Problem 3**

Description: figuring out how to do the security in the gateway

Reaction: do some more research and reading up

### **Adjustments for the next Sprint Plan**

- Merge branches more often (to dev/master) to prevent difficult to solve merge conflicts.