Sprint Retrospective, Iteration #2

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| --- | --- | --- | --- | --- | --- | --- |
| User Story # | Task # | Task Assigned To | Estimated Effort per Task  *(in hours)* | Actual Effort per Task *(in hours)* | Done  *(yes / no)* | Notes |
| *User creates an account. Then he creates a house so his housemates can join.* | Create database schema to reflect the tables and attributes needed to correctly implement this functionality. | Fabian and Ina | 1.5 | 1 | Yes |  |
| Start creating the necessary classes based on database schema for the House and User tables | Fabian | 1 | 1.5 | Yes |  |
| Start creating the necessary classes based on database schema for the Requests table | Ina | 1 | 1.5 | Yes |  |
| Start working on user registration and authentication | Atanas | 2 | 3 | Yes |  |
|  | Create a database for the authentication microservice | Atanas | 1 | 2 | Yes | It turns out that the dialect spring security uses is incompatible with MySQL. So I had to create the tables manually. |
|  | Split the project into microservices | Atanas | 1 | 1.5+ | Not yet | It turned out that splitting the project into many microservices would be quite hard, so I could not finish it fully this week. |
| *User adds products to the fridge. Then, after there are products in the fridge, users are able to make use of products, by adding transactions in order to keep track of how the products are used* | Create database schema in order to reflect the necessary tables and attributes needed to implement this functionality | Kendra and Stoyan | 1.5 | 1.5 | Yes | We have met and discussed the way our database tables should look like and what attributes they should include in order to make sure that we have everything established before we start implementing things. |
| Start creating the necessary classes based on database schema for the Product table | Kendra | 1 | 1.5 | Yes | Create the classes and an outline of all the methods and attributes that we will need in order to have an overview of the direction our application will go and also make sure we are all on the same page with the requirements. |
| Start creating the necessary classes based on database schema for the Transaction tables | Stoyan | 1 | 1.5 | Yes | During this week I started working on creating the repositories and entities for the Transactions microservice. I communicated with my partner, who is working with me on this microservice and we made a decision how to split the work optimally and we set up some standards for how the microservice will operate. |
|  | Create and set up a working databases based on the database schemas | Oskar | 1.5 | 2 | Yes |  |
|  |  |  |  |  |  |

Project: Software Engineering Methods - Student House Food Management

Group: 51

Main Problems Encountered

**Problem 1**

Description: There were some misunderstandings about the attributes needed for each table and these led to some mistakes in creating the Entities.

Reaction: We took another look at the tables in the database schema and decided on how to properly structure our database

**Problem 2**

Description: We had problems with the understanding of how to separate the database in 3 separate instances in order to achieve the microservice architecture.

Reaction: We spend a lot of time talking with each other which really helped us explain the concept. We set a standard and now everybody understands what is the purpose of the microservice they will work on and how it should operate.

**Problem 3**

Description: It was difficult to split the project into multiple microservices. We had not worked with Spring microservices before, so we did not know what to add to our build.gradle files to make the microservices compile.

Reaction: I spend a lot of time researching by reading gradle and spring documents. This took way more time than expected.

**Problem 4**

Description: We had problems with gitlab, because the pipeline was failing because we have reached some maximum number of commits.

Reaction: We talked about it as a group, and then to our TA, and decided to downgrade the java version of the project to 11, because it did not have these problems.

Adjustments for the next Sprint Plan

Work on creating the necessary Entities, Repositories and Controllers. Furthermore, work on creating a working way for a user to register and authenticate. Create separate microservices.