

# Sprint Retro Notes

**Team:** Fri1030-Dipto-Group4

**Sprint:** 1

**Date:** 27/08/2021

**Attended:** Shihab Sami, Ryan Dineth Samarakoon, Matthew Amos Woolley, Andrew Nhan Trong Tran

**Scrum Master:** Shihab Sami

**Product Owner:** Dipto Pratyaksa

**Development team:** Shihab Sami, Ryan Dineth Samarakoon, Matthew Amos Woolley, Andrew Nhan Trong Tran

## 1. Things That Went Well

Aspects of this sprint that went well are as follows; we had an excellent division of work between the front and back-end teams, leading to a healthy development cycle for the first microservice. Assisting this was the solid understanding of the base code, which, once we dug into gave us a solid fundamental that will serve as a guide for the login microservice and most microservices moving forward, especially those requiring input information or calling data out of the data base.

Additionally, by commenting on our code early and sticking to the microservice style, we have set up good code practice that will assist in future sprints.

## 2. Things That Could Have Gone Better

While this was overall a pretty clean Sprint, there were a couple of issues we ran into while developing, firstly, making sure that spring boot could not only run but also running and writing tests for our microservice was under done, and while doing backend work with postman and making sure it worked for average cases, fringe and negative testing should have been done.

While time management was not horrible for the project's development, documentation and planning for future sprints were left to the side a bit. Thankfully this did not have any significant consequences so far, but moving forward, future-proofing and getting the Jira sorted will be highly beneficial.

### **3. Things That Surprised Us (what wasn't expected?)**

We were pretty surprised by some of the harder to understand coding segments and packages such as JWT tokens and getting authorization working not being too tricky once broken apart, initially it appeared to be quite intimidating at the start. Now we understand it proves to be a powerful tool that will be essential later on in future sprints.

### **4. Lessons Learned**

Our team has learned many critical lessons throughout this Sprint, including building RESTful web services using microservices with Spring Boot and a React-based front end, which will provide an essential skill for anyone on the team to make web services in the future. Use of tools such as Postman and yarn were also gained throughout this Sprint. Postman mainly assisted in testing our login microservice, ensuring the backend worked while the front end caught up.

### **5. Final Thoughts (things to keep, things to change)**

Unlike the previous sprint, this sprint required a bit more understanding of programming and Spring boot. However, our team handled this quite well and made good use of tools and resources provided to us to have a successful sprint, we did not run into many significant issues, and many of our strengths from previous sprints, such as our meeting organization and individual skills continued to be demonstrated within this sprint, moving forward, making sure we plan more for future sprints and test more as it will the sprint process smoother down the line.