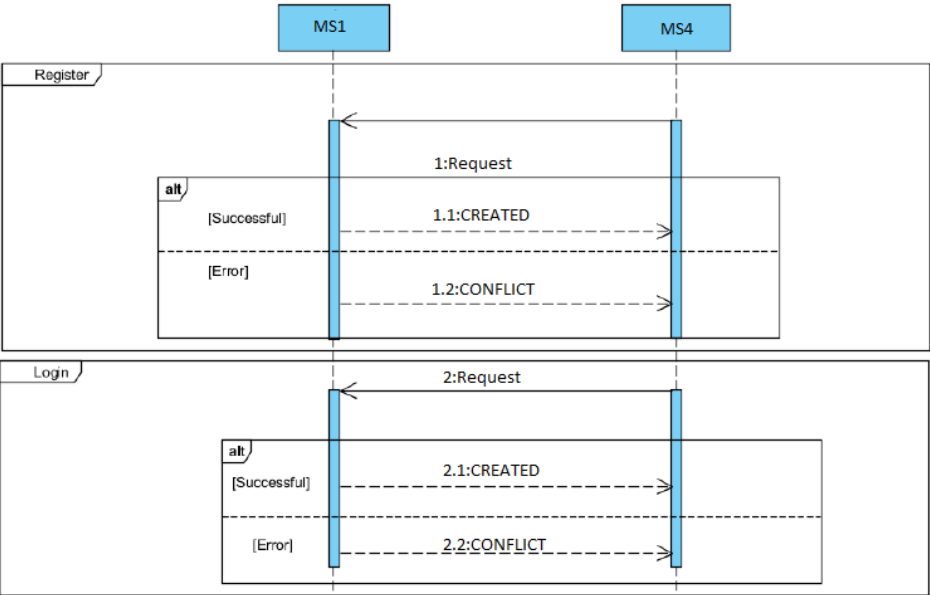


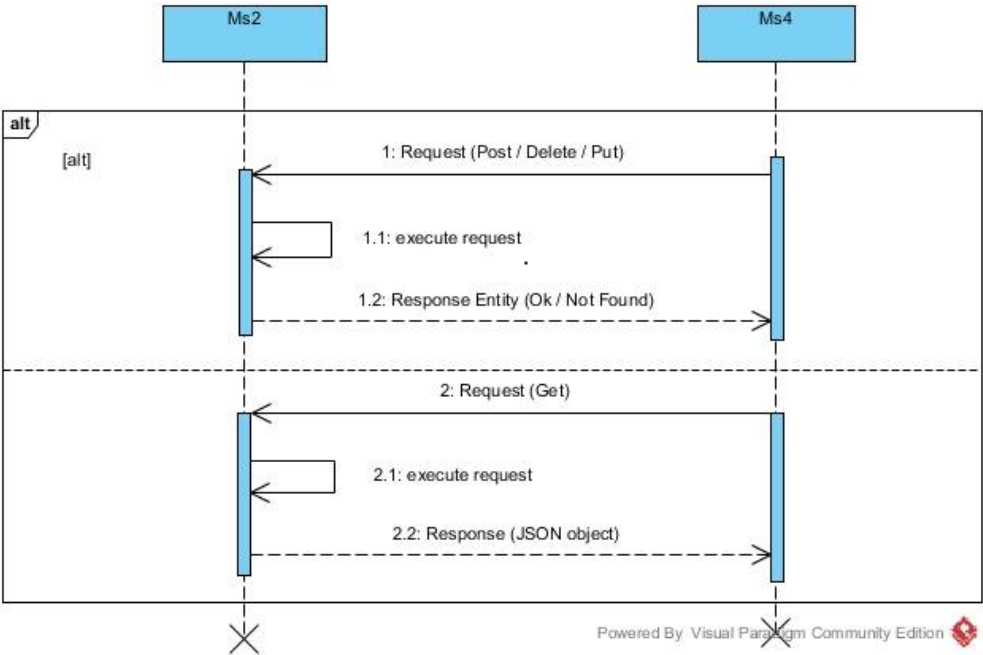
# Connection between micro services

## Between Ms1 and Ms4

Sequence Diagramm



## Between Ms2 and Ms4



## **Lessons learned**

### **MS1**

I chose Java programming language for my task and used it for framework Spring Framework REST. I chose it because it is popular everywhere and there are many tutorials. I tried everything locally first and in the end. I changed it to my IP address. I have learned about VPN. I learned REST methods (GET, POST, DELETE, PUT) with my task.

### **MS2**

I learned this lesson; The function of three independent micro-services and connection of each other, exchange of views during the project by making their own duties and unite at the end of the project to be harmonized and deliver a result. Additionally, I learned how to implement REST services on JAVA programming language. One other library I've implemented in Java technology is the Java Persistence API and apache derby. If I could start from scratch, I would implement MongoDB NoSQL Database. Because it is popular NoSQL database recently.

### **MS4**

To me, it was brand new experience – never have I tried any frontend development before and therefore was looking to learn totally new things. First I started with jsp, html, css but then decided to switch to a modern and demanding JavaScript. There I have learnt the standards of single-page application development, as well as researched a lot about how to establish consistent connection between Client and Server side. Also I learnt how to work with Java JSON object, also JavaScript Object Notation. Apart from that, I learnt about the performance and optimization of single-Page Application and tried my best to implement it. Also I learnt about Server Side Rendering and Progressive Web Apps, but couldn't approach them due to the size of this project (pretty tiny one).