**Research document**

Authentication/Authorization in Spring boot

1. **Problem statement**

The purpose of this document is to showcase the process involved with researching authentication in spring boot.

1. **Main question**

How to implement authentication and authorization in a spring boot backend application?

1. **Sub Questions**
   1. How to implement a secure login functionality for my app?
   2. How to distribute permissions to different users based on their roles?
2. **Results**

After conducting some research regarding authorization and authentication I have found that both of the problems above can be solved using JWT. It is a standard for securely transmitting information between parties as a JSON object. It can be used to digitally sign a request in order to verify who the signer is and give them the required permissions in the system.