Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, Mobile

**LEARNING DIARY**

**Beginning**

8.3.2021  
  
I set up the required environment, including Java 8 and Android Studio. A repository was created for the project to GitHub. I followed along with part one and created a tabbed activity to build my project on. I planned it to have at least three tabs/sections and a special place to put the GitHub link.

9.3.2021

I added three tabs to the tabs section. An icon that’s supposed to be horizontally aligned with title text didn’t seem to align, so that has to be fixed later. I edit the values straight forward without assigning variables to them, to save time for now.

16.3.2021

I created three fragments and their layouts for the sections that I’m going to have. The main file gained a tab listener for my three tabs. The last thing I added was a switch case for fragment positions in SectionsPagerAdapter file.

**Advancing**

17.2.2021

I added database query files that pages would use to return information. Authentication would be used for users to create reviews for books. Users with special rights should be the ones to delete or modify database information, others could only post and get.

18.2.2021

I made database aggregation queries easier to access. A user system was finished, which I will use to deny certain to actions. For sessions, I used a token made by using a bcryptjs module. The tokens consist of id and name of a user.

One problematic situation occurred when acquiring information from the database. Using async and await in the function, fixed the problem.

26.2.2021

I added a review posting capability. A new query file was added for reviews, which could be used to view all reviews from a specific user.

**Finishing**

26.2.2021

For the ending, I did a logout part which would wipe user’s header token. The token is created after a user has signed in after being registered. Only signed users can post reviews and delete them, admins can control all the books and comments.

There is authenticate.js file that exports functions used for verifying, signing, and returning users. It limits the users performing certain actions. The routing files use authenticate.js in midst of get/post/delete operations.

Configurations for mongo and user token come from config file.