

## Sprint 2 – Report

### Reseller

#### Introduction:

Main focus is finishing the delayed tasks and adding content to the application such as posts and profiles for users.

Application security was a top priority and we focused on that. The backend logic uses DTOs instead of passing direct references to objects in the database. Each entity created has a Controller for CRUD operations, a DTO, a Repository and a Service which handles work sent from the controllers.

#### Backlog:

- Finish delayed tasks
- Post
- User profiles
- Search profiles
- Follow profiles
- Home page
- Organize routing

#### Tasks Report:

- Finish delayed tasks – **DONE**
  - Login

After lots of research and debugging, we finally found the right way to set the authentication. The login is now done by checking the credentials and setting a JWT Token for the logged in user. Also, we set up a Refresh Token in order to remain connected after refreshing the page.

To round things off we added the logout function.

- Login page

Managed to parse the JWT Token and login to the application. Added messages for invalid fields.

- Secure login

App security is done through spring security with a security filter chain that restricts access to pages that require the user to be logged in and setting the session when a user logs in.

- Testing database and forms

Login and register forms have been tested and verified. No bugs were found.

- Post – **DONE**

Created post entity with all the needed fields and CRUD operations except the image URL. We found out that it was harder to do than we expected so it was pushed to the next sprint.

- User profiles – **DONE**

Same as post.

- Search profiles – **DONE**

Created a search service which handles the operations. It returns profiles starting with the input text.

- Follow profiles – **NEXT SPRINT**

No more time so it was moved to the next sprint.

- Home page – **DONE**

Home page holds all posts shown in chronological order from newest to oldest.

- Organize routing – **DONE**

Synchronized backend routes with simplified frontend routes for ease of access.