In this application users can create a reservation for a hotel. The employees of this hotel can view all the reservations and manage the rooms of the hotel. Admin users can also manage employees of the hotel.

S3-ITProject: Folder containing the spring boot backend application.

This is the entire backend application. It uses the right structure with the repository layer containing the entities. JPA is used to map the POJOs to the database. The business layer contains the service classes, the custom exceptions and the DTO converters. The controller layer makes use of the DTOs, instead of the entities. The configuration package only has configuration files.

Authentication/authorisation is implemented, the websockets are implemented. Unit tests have been made for the controller and the business layer, in total 74. The Jacoco Test Report test coverage is at 97%. The sonarqube coverage is at 92%. The config files are excluded from both of these reports, because I didn’t make the code for it.

S3-react-app: This is the front end application.

Folder containing the react front end. The connection to the backend is made using Axios. The react hooks useState, useEffect, useParams, useNavigate are used, as well as custom hooks for the authentication/authorisation. The JWT access tokens are decoded with jwt-decode. Protected Routes are used to make sure the routes are only accessible to users who have permission.

Sonarqube is added to the CI/CD pipeline, however I think there is something wrong with my Gitlab-runner, as I keep getting an error. The pipeline passes, but it gives me code smells and it says the code coverage is 0%. When I run the sonarqube command in the terminal it does show the correct info.

Docker is also added to the CI/CD pipeline, however this one also isn’t working, I think because of the websockets because this is the part where it gets stuck.

Documents: Folder containing the following documents:

* FeedPulse peer reviews
* FeedPulse group reviews
* FeedPulse individual reviews
* Project Plan
* Applied Research Document
* Design Document
* Security Report
* Test Plan
* User Acceptance Tests
* UX Report
* Sonarqube screenshots
* Jacoco screenshot
* Code Reviews
* Cultural Awareness