Software Architecture Document

Productivity web application

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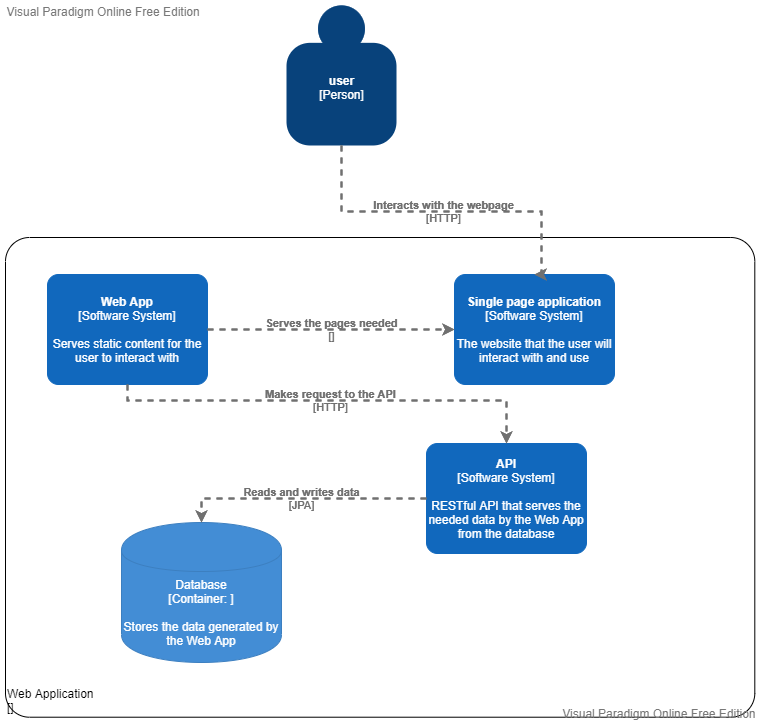
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# System context

## Context daigram/ C1

# Container Diagram and tech choices

## Container Diagram/ C2



## Tech Choices

### Which Back-end framework

To build a RESTful API on JAVA, one of the most compelling and popular options is the Spring boot framework. Together with that the main course of the semester will teach this specific framework, so I will have the most knowledge about this particular framework and together with that, the teachers will be available to help with the development of the API.

### Which Front-end framework

This semester we were introduced to the REACT framework for JavaScript. The main course will follow and teach about this framework.

To maximise the opportunity to learn from the workshop provided and then get the help of the teachers, I will use REACT as the front end of the application.

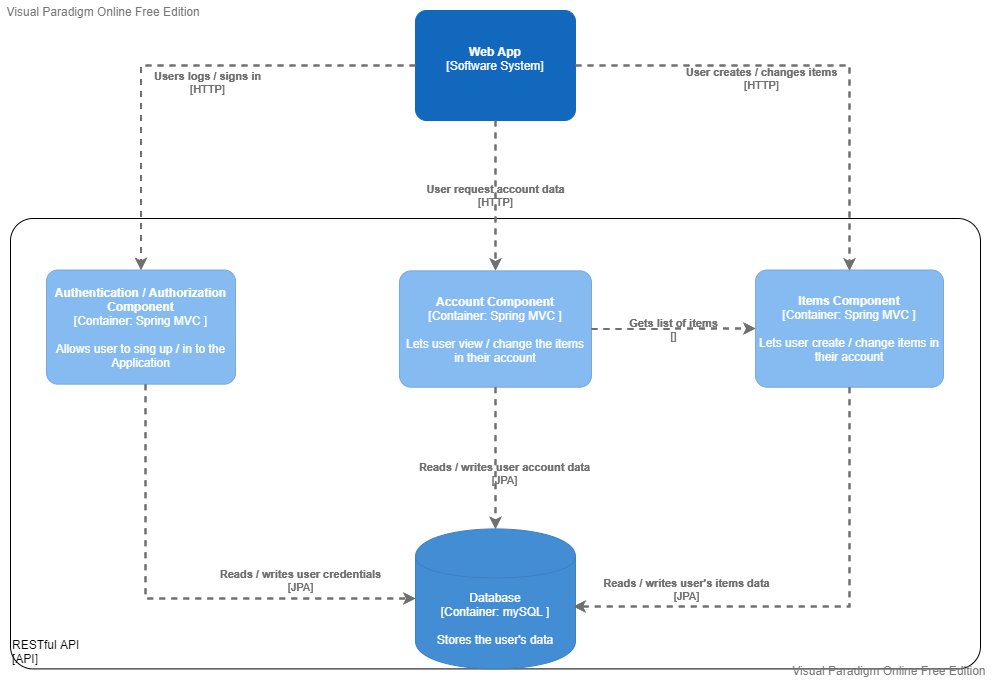
### Database

I will use MySQL for the database and the connection will be managed by the JPA library that java provides.

# Components

## Front-end

## Back-end/ C3



## Database Diagram/ ERD

# Class diagrams and sequence diagrams

## Classdiagrams/ c4

## Sequence diagrams

# Interfaces and API documentation