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Busy Bee
Supplementary Specification

Version 2.0

Revision History

Date	Version	Description	Author
22/03/2020	1.0	Document inception	Carla-Maria Rusu
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Table of Contents

Supplementary Specification

1. Introduction

The application must be a web application. The environment must be Java and Maven capable for the backend and Spring Boot will be used. The RESTful Api will be used for frontend-backend communication. The frontend will be done in IntelliJ Idea in Angular 9.0. MySQL Workbench will be used for creating and storing persistent data. The system must be available, usable, secure, performant and testable.

2. Non-functional Requirements

2.1 Availability

The application requires an Internet connection. Server downtime should be negligible.

2.2 Performance

The application must be highly performant. The use of Angular 9.0 makes it responsive. RESTful Api and Spring JPA should provide fast and reliable data transfer between database and server.

2.3 Security

The user accounts and their contents must be stored securely in a database. The accounts are password protected.

2.4 Testability

The application must be testable using Unit Tests for both the frontend and the backend.

2.5 Usability

The application's interface must be user-friendly and intuitive. It must provide a drag-and-drop capability.

3. Design Constraints

- The software languages must be Java, HTML, CSS, Javascript, SQL
- The development tools must be IntelliJ, Maven Project, RESTful Api, MySQL Workbench, Angular 9.0, Bulma, Spring Boot, Spring JPA
- The system architecture must follow the Client-Server pattern and the Domain Driven Design style. A mediator pattern must be used to implement a CQRS Architecture
- The system must include at least three design patterns