DormShare
Supplementary Specification

Version 1.0

Revision History

Date	Version	Description	Author
17/03/2018	1.0	First version	Eric Dumea

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Supplementary Specification

1. Introduction

The **Supplementary Specification** captures the system requirements that are not readily captured in the use cases of the use-case model. Such requirements include: Legal and regulatory requirements, including application standards, Quality attributes of the system to be built, including usability, reliability, performance, and supportability requirements and other requirements such as operating systems and environments, compatibility requirements, and design constraints.

2. Non-functional Requirements

2.1 Availability

The DormShare system will be available 24 hours a day, 7 days a week, 365 days a year. The downtime should as minimum and inexistent as possible.

2.2 Performance

The DormShare application will be designed for multiple users to be connected simultaneously, which means that more than one user will ask queries at the same time. This means that the application should have a small database access time, as well a infinitely small time to store data.

2.3 Security

Each User and Administrator will have a username and an encrypted password, both specified by the user, and then stored in the database.

2.4 Testability

The testability of the system will ideally be high, using the concepts of Understandablity, Isolability and Controllability and implementing the application in order to fulfill them. In this way, finding faulty bits in the application system will be easier.

2.5 Usability

The application's User Interface will be as minimal and comprehensible as possible, as everyone should be able to use it properly with basic knowledge of English and with basic computer use skills.

3. Design Constraints

a. Java Compatibility

The DormShare application system will be developed on Java 1.8 SDK, so, for the best compatibility, a version of Java Runtime Environment equivalent (1.8) will be needed by the User Application.

b. Platform Requirements

The DormShare application should be able to run even on older and weaker systems because it will not be very memory or processing power demanding. In theory, any personal computer that is able to run Microsoft Windows 10 should be able to run the application.