15CTT-Group3

Supplementary Specification

Version <1.0>

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# Introduction

**Purpose**

The purpose of this document is to define requirements of Sleeping Beauty project. This Supplementary Specification records the requirements that are not promptly caught in the use cases of the use-case model. This document and the use-case model build a complete set of requirement on the system

**Scope**

This Supplementary Specification applies to the Sleeping Beauty which is developed by Group3-15CTT.

The specification defines the non-functional requirements of the system; such as security, usability, extensibility, reusability, perfomance, reliability, effectiveness as well as functional requirements that are common across a number of use cases.

# Non-functional Requirement

**Reliability**

The application will be submitted on 7th May 2018 which include full documentary required and app release.

**Security**

The system is supposed to prevent user’s database to be interfered and the data can only be shared under user permission

**Usability**

The system will not require user to have understanding of button functionality. This will be tested and improved to enhance user experience.

**Extensibility**

Application is required to make up of design pattern structure, which then have an ability for future expansion without doing everything again

**Reusablity**

Small components which includes several class diagram shall be used for different projects.

The sleeping habit graph shall be utilised for health study and investigation.

Music to help sleeping well shall be used in application to enhance working producitvity

**Performance**

The system must be able to handle different alarm off method exactly with 1s respond time.

The number of shakes needed for an alarm off method must be counted exactly in the system.

**Efectiveness**

The capturing image alarm off method suggest the setting up image should be far away from bed.

The volume is increased big enough to wake up the user.

The alarming off method works without bring annoyance but a healthy life habit.

**Functionality**

Functionality requirements are captured through defined use cases.