CS6300

Do-D-Due
Supplementary Requirements
Team 3.02

Version 2.0

Prepared by-

Archana Shree
Jack Suen
Niranjanaa Ragupathy
Sanchita Vijayvargiya

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Supplementary Specification

1. Introduction

1.1 Purpose

The purpose of this document is to define the supplementary non functional requirements of the Do-D-Due application. This document aims to captures the information which is not covered by the use-case model. The Use-case model along with the supplementary requirement document gives the complete information about the requirements of the system.

1.2 Scope

Do-D-Due is an application that allows a user to manage their daily tasks. This application allows the user to create a task list, edit and delete it via the android application (MTM) or the web interface (WTM). The tasks will have a name, description, due date and priority. The user will be able to check off items in the list and will be able to hide them. The application will support multiple users, each one with their own lists.

This specification defines the non-functional requirements of the system; such as reliability, usability, performance, and supportability as well as functional requirements that are common across a number of use cases. (The functional requirements are defined in the Use Case Specifications.)

1.3 References

Applicable references are:

http://sce.uhcl.edu/helm/RUP_course_example/courseregistrationproject/indexcourse.htm

2. Usability

This section lists all of those requirements that relate to, or affect, the usability of the system.

2.1 Operating System Compliance

The desktop user-interface shall be compliant with any operating system such as Windows 7 or LINUX.

2.2 User Friendly Design

The user interface of the Do-D-Due application (both MTM and WTM) shall be designed in such a way so that it is easy for the users with basic computer and phone literacy to use the application with no additional training required.

3. Reliability

This section lists all reliability requirements.

3.1 Availability

The MTM/WTM application shall be available 24 hours a day, 7 days a week to the users.

3.2 Mean Time Between Failures

Mean Time Between Failures shall be as less as possible to avoid inconvenience to the users.

4. Performance

The performance characteristics of the system are outlined in this section.

4.1 Simultaneous Users

The system shall support multiple users against the central database (CDB) and local database (LDB) at any given time.

4.2 Database Access Response Time

The access response time of the database should be within considerable time limits.

4.3 Transaction Response Time

The transaction response time of the application should be within considerable time limits.

5. Supportability

This section defines any requirements that will enhance the supportability or maintainability of the system being built.

5.1 New Prototypes Upgradable

Upgrades to the applications should be done automatically or should be easily accessible to the users.

6. Design Constraints

This section lists any design constraints on the system being built.

6.1 Integration between WTM and MTM

The WTM should properly integrate with the MTM which operates on user's phone so that data is up to date.

6.2 Platform Requirements

The MTM version should operate properly on any android supporting device.

The WTM version should operate properly on any operating system such as Windows or Mac.

6.3 Internet Browsers

The web-based interface for the WTM shall run on any standard web browser such as Netscape, FireFox, Chrome, Internet Explorer browsers.

6.4 Java Compatibility

The web-based interface shall be compatible with the Java 1.1 VM runtime environment.

7. Security

The security constraints for Do-D-Due manager include the protection of user data. The users are authenticated by login id and password. A user can only view and edit its own profile and data.