Software Requirements Specification for Hotel Management System

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| **Project Manager** | Sthanu Kumar Ramakrishna Thambi |
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# Revision History

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# 1.0. Introduction

*The Software Requirements Specification (SRS) will provide a detailed description*

*of the requirements for a Log API. This System will allow for a complete understanding of what is to be expected of the Log API to be constructed. The clear understanding of the Log API will allow for the correct software to be developed for the end user and will be used for the development of the future stages of the project. This SRS will provide the foundation for the project. From this SRS, the Log API can be designed, constructed, and finally tested.*

## 1.1 Scope of the Project

*The API developed is Log API.Log API helps to keep track of activities taking palce in an application . The module which this SRS is about different methods used in this API.. The platforms will be used for this system is JAVA.*

## 1.2 Objective of this Document

*The purpose of this document is to serve as a reference document for the exact specifications of the requirements of the project, mutually agreed upon by US Technology and its client, for the benefit of the designers, the developers and the client of the Log API. The rigor and exactness with which each of the requirements is specified, is a crucial factor in minimizing the errors and inconsistencies during the testing phase of the developed product. Changes will be tightly controlled and closely monitored.*

*The SRS document contains the detailed description and exact specification of the functionalities of the product to be designed. It also specifies the details of the Log API developed .*

## 1.3 Acronyms, Abbreviations, and Definitions Used

SRS – Software Requirements Specification

API – Application Programming Interface

Developers- One who develops the program

## 

## 1.4 Related Documents

*This subsection should provide a complete list of all documents referred to, elsewhere in the SRS. Each document should be identified by title, report number (if applicable), date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.*

## 1.5 Overview

*The SRS is organized into two main sections. The first is the Overall Description and the second is the Specific Requirements. The Overall Description will describe the requirements of the Log API from a general high level perspective. The Specific Requirements section will describe in detail the requirements of the system.*

# 2.0 Overall Description of the Project

*The module can be divided into:-*

* *An abstract class Log.*
* *Class Logger which extends the Log Class*
* *A Property file logcount*

# Project Execution Requirements

## 3.1 Deliverables and Delivery Dates

## 3.2 Technical Environment to Be Used

*We are using Eclipse IDE which is for Java Developers contains what you need to build Java applications. Considered by many to be the best Java development tool available, the Eclipse IDE for Java Developers provides superior Java editing with validation, incremental compilation, cross-referencing.*

## 3.3 Testing Strategy

## 3.4 Acceptance Criteria

## 3.5 Perceived Risks and Contingencies

# 4.0 Specific Requirements

*The Log API helps to keeps track of the program execution.*

## 4.1 Functionality Requirements

### *This module is split into 6 sub functionalities as mentioned below. Access to each functionality will depend on the type of user that is either customer or employee or Admin.*

### 4.1.1. Initialization

*The property files and other files required for the API was mentioned.Checked whether the file*

*was already existing or not.If not, a new file was created.*

### 4.1.2. Information

*The basic information about the program.*

### 4.1.3. Debug

*Logs message to the Unity Console. When you select the message in the console a connection*

*to the context object will be drawn. This can be useful for locating the object on which an error*

*occurs.*

**4.1.4. Error**

*Displays errors in the application.*

**4.1.5. Date**

*System date and time at which program is running will be recorded in the file.*

**4.1.6. close()**

*Close all files.*

## 4.2 Developers

*Developers should have basic knowledge about Java API .*

## 4.3 Reliability Requirements

*Requirements for reliability of the system are being specified here.*

### 4.3.1 Probability

### 4.3.2 Maintainability

### 4.3.3 Availability

## 4.4 Performance Requirements

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

### 4.4.1. Response time for program execution-10 seconds

### 4.4.2`. Resource Utilization-Disk-d, memory.

## 4.5. Supportability Requirements

This section indicates any requirements that will enhance the supportability or maintainability of the system.

### 4.5.1. Coding standards

### UST Global Java Coding standards

### 4.5.2. Naming Conventions

UST Global Java Naming convention

### 4.5.3. Class libraries

### 4.5.4. Maintenance utilities

## 

## 4.6. Design Constraints

*This section should indicate any design constraints on the system being built. Design constraints represent design decisions that have been mandated and must be adhered to.*

## 4*.6.1. Software Languages*

## *JAVA , HTML etc.*

**4.6.2. Software Process Requirements**

**4.6.3. Developments tools**

*Eclipse*

**4.6.4. Design Constraints**

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## 4.7. User Documentation and Help System Requirements

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## 4.8. Purchased Components

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## 4.9. Interfaces

### 4.9.1. User Interfaces

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### 4.9.2. Hardware Interfaces

### 4.9.3 Software Interfaces

### 4.9.4. Communications Interfaces

## 4.10. Security Requirements

## 4.11. Legal, Copyright and Other Notices

## 4.12. Applicable Standards

# 5.0 Supporting Information

# 6.0 Agreement on the Verbs used in SRS

**Template Revision History (For SEPG Use Only)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Version Number** | **Release Date** | **Description of Change/s made** | **Author**  **(Name & Role)** | **Reviewer**  **(Name & Role)** | **Approver**  **(Name & Role)** | **QMS Release Version** |
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