Software Requirements Specification

for

Hotel Management System

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version

1.   Introduction

1.1   Purpose

The software requirement specifications will provide a detailed description of the requirements for the hotel management system. This SRS will allow for complete understanding of what is to be expected from the newly introduced system which is to be constructed. This SRS will provide the foundation for the project. From this SRS the HMS can be designed , constructed ,and finally tested.
This SRS will be used by the system development team which is constructing the HMS and the hotel end users. The Project team will use the SRS to fully understand the expectations of this HMS to construct the appropriate software. The hotel end users will be able to use this SRS as a "test" to see if the constructing team will be constructing the system to their expectations. If it is not to their expectations the end users can specify how it is not to their liking and the team will change the SRS to fit the end users' needs.
The intended audience of this document would be owner and specific employees like Manager and Receptionist and project team with the objective to refer and analyze the information.

1.2   Document Conventions

This document follows MLA Format. Bold-faced text has been used to emphasize section and sub -section headings. Highlighting is to point out words in the glossary and italicized text is used to label and recognize diagrams.

1.3   Intended Audience and Reading Suggestions

Developers for third party services and government officials.

1.4   Product Scope

The introducing software, Hotel Management System which is going to be implemented for Hotel will automate the major operations of the hotel. The Reservation System is to keep track in room and hall reservation and check availability. The Room Management System is for manage all room types room services. The Inventory Control System will keep track in all inventories of the hotel and guest details will handled by guest management. Administration department will monitor the all .There are two End Users for HMS. The End Users are Manager and Receptionist. Owner can access to all system functionalities without any restrictions. Manager can access to all system functionalities with limited restrictions. Receptionist can only access to the Reservation management section. To keep restrictions for each End User levels HMS can create different Login functions.

1.5   References

<List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case document.>

2.   Overall Description

2.1   Product Perspective

The Hotel Management System is a new self-contained software product which will be produced by the project team in order to overcome the problems that have occurred due to the current manual system. The newly introduced system will provide an easy access to the system and it will contain user friendly functions with attractive interfaces. The system will give better options for the problem of handling large scale of physical file system, for the errors occurring in calculations and all the other required tasks that has been specified by the client. The final outcome of this project will increase the efficiency of almost all the tasks done at the Hotel in a much convinient manner.

2.2   Product Functions

     1)Make Reservations
     2)check Room availability
     3)Issue Bills
     4)Manage Customer (Add, Update Customer)
     5)Manage Room Details (Add, Update, Delete)
     6)Manage Staff (Add, Update, Delete, View)
     7)Manage Inventory (Add, Edit, Delete)
     8)Set charges.
     9)provide food facility.
10)store backups

2.3   User classes and Characteristics

2.3.1 Manager:

     Manager is responsible for managing resources available in hotel management system. The reason for using a Manager is to reduce the work load done by the owner that cannot be assigned to the receptionist, as those tasks seem much responsible. The user level, Manager has the authority to take all the reports available in the system but here also except the reports related to financial stuff, hotel income.

2.3.2 Receptionist :
:
     As a receptionist his or her goal will be to attain bookings.Recepionist plays the boundary role of a system.He or she can perform limited operations such as registering new guest to system,make reservations.

2.4　Operating Environment

Hardware and Software requirements
Hardware:
　　operating system supports all known operating systems such as ,linux and windows.
computer 512MB+RAM,monitor with minimum resolution of 1024*768,keyboard and mouse.
hard drive should be in NTFS file system formatted with minimum of 10GB free space.
A lazer printer will be need to use to print these reports and notes.

Software:
　　1.software is designed to run in any platform above microsoft windows 7.
　　2.　Microsoft .NET frameworks 4.0 or above.
　　3.　Microsoft SQL Server Management Studio Express 2010.

2.5　Design and Implementation Constraints

<Describe any items or issues that will limit the options available to the developers. These might include: corporate or regulatory policies; hardware limitations (timing requirements, memory requirements); interfaces to other applications; specific technologies, tools, and databases to be used; parallel operations; language requirements; communications protocols; security considerations; design conventions or programming standards (for example, if the customer's organization will be responsible for maintaining the delivered software).>.

2.6　User Documentation

<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the software. Identify any known user documentation delivery formats or standards.>

2.7　Assumptions and Dependencies

HMS:Hotel Management System
RAM:Random Access Memory
SQL:Structured Query Language

3.　External Interface Requirements

3.1　User Interfaces
　　The login page used to login the users into the software.we can add the customer and we can make the reservations and view the reservations.we can also add new staff and we can calculate the payment of the customer.

3.2   Hardware Interfaces

Section 2.4 includes the desktop requirements of the computer where the system is going to be installed.A specific computer must match with the above requirements in order to gain the maximum benefits of the system in an efficient manner.

3.3   Software Interfaces

Runs on windows operating system,on that windows platform .NET 4.0 will be installed and that will be the platform that particular software will run and the software will store the details of customer and other required information.

3.4   Communication Interfaces

This system shall be stand alone product that doesnt require any communication interface

4.   System Features

<This template illustrates organizing the functional requirements for the product by system features, the major services provided by the product. You may prefer to organize this section by use case, mode of operation, user class, object class, functional hierarchy, or combinations of these, whatever makes the most logical sense for your product.>

4.1   System Feature 1

<Don't really say "System Feature 1." State the feature name in just a few words.>

4.1.1   Description and Priority

<Provide a short description of the feature and indicate whether it is of High, Medium, or Low priority. You could also include specific priority component ratings, such as benefit, penalty, cost, and risk (each rated on a relative scale from a low of 1 to a high of 9).>

4.1.2   Stimulus/Response Sequences

<List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.>

4.1.3   Functional Requirements

<Itemize the detailed functional requirements associated with this feature. These are the software capabilities that must be present in order for the user to carry out the services provided by the feature, or to execute the use case. Include how the product should respond to anticipated error conditions or invalid inputs. Requirements should be concise, complete, unambiguous, verifiable, and necessary. Use "TBD" as a placeholder to indicate when necessary information is not yet available.>

<Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.>

REQ-1:
REQ-2:

4.2   System Feature 2 (and so on)

5.   Other Nonfunctional Requirements

5.1   Performance Requirements

5.1)Availability:

The software should be open source and easily available.

5.2)Maintainability:

Should be well maintained.

5.3)Safety Requirement:

Back up and the recovery of the data is must for safey requirement.