Software Requirements Specification

For

“OPERAHOUSE”

(Venue Booking system)

Appendix A: Glossary
Appendix B: Analysis Models
Appendix C: To Be Determined List

1. Introduction

1.1 Purpose

The purpose of the software requirement specification is to provide a platform for users to reserve their desired venue for their function/event through “OPERAHOUSE''. This document serves as users demands and requirements.

When a consumer creates an account on the website , he or she can book their venue. The proposed system is an online system that is fully integrated. It effectively and efficiently automates manual procedures. Customers are aided by this automated method, which allows them to fill in the specifics according to their needs. It contains information on the sort of places they want to reserve as well as the location. The goal of this system is to create a website where customers can book their event place and request services from anywhere.

A venue booking system having many venues.Customers can book their venue online in advance for their event . They can get the details of the venue from the available venue list through the “OPERAHOUSE” website.

Also the purpose of an online booking system is to allow potential customers to self-book and pay through the website, securely store customer’s data. An online booking system is so much more than just a piece of software that reserves an appointment with the customers.

1.2 Document Conventions

This document was prepared using the IEEE recommended practice for Software Requirements Specification.

1.3 Intended Audience and Reading Suggestions

We assume all users have basic technical knowledge (i.e. how to use a booking site) and also our venue booking system provides a good user interface and help section to help the user at any moment during a visit to the website.

This document describes the functionality and advantages of our system. This document also deals with the problems faced by different users using various platforms. Our system engages the audience in a unique and easy way and also connects them to our "OPERAHOUSE" website so that users can easily access the resources.

This document also analyses users inconvenience. Through this document, one becomes familiarised with the scope and advantages of oursite. The context and origin of the site as well as its basic functionality are then explained in relevant detail along with an analysis of its different classes, design, and implementation.We then detail the interface requirements, build analysis models,and examine system features and non-functional requirements.

1.4 Product Scope

The "OPERAHOUSE" is a website, where people can search, select and manage entire activities related to their venue and functions. "OPERAHOUSE" will have centralised data storage of all client information to speed up the process of supporting the client in an efficient way.

This project covers a wide range of topics, from business concepts to and it necessitates the completion of numerous studies in order to meet the project's objectives. Some of the topics covered include:

1. Venue reserve industry – This covers research on how the venue reservation industry operates, the processes involved, and the potential for improvement.

2. Customers, as well anyone who wants places for their functions, will be able to make good use of the system.

3. The web platform implies that the system will be accessible 24 hours a day, seven days a week, with the exception of minor server outages.

2. System Features

- An intuitive user interface
- Choice of question types and formatting options
- Attractive design options
- Flexible customization options
- Custom grading and scoring
- Private and public sharing options

2.1 System Feature

2.1.1 Description and Priority

Consumers must have an account to use the website. Consumers provide information to this website by filling in their personal information. When a consumer creates an account ,then the site is accessible to them for booking a venue. Users without system accounts will only have browsing permissions from the home Page and do not have the feature to book a place. Users' accounts will hold information about their name, address , email id and password.

2.1.2 Stimulus/Response Sequences

In the home page, users can select the signup or login button and type in their credentials for signing in or for login respectively.

Upon matching the required criteria, the account will either get created and the login page is displayed, or the user is logged in to his/her account and the home page is displayed. For requesting service further options are there.

3. Functional Requirements

Three modules as follows :

3.1 Admin:

A. Login: Admin can login using credentials.

B.Manage Event Venue Managers: Admin can approve or disapprove new corridor managers and edit their statistics.

C. View Customers: Admin can take a look at registered clients.

D. View reserving: Admin can test all of the event venue bookings.

E. Query: Admin can view user queries.

3.2 Event Venue Managers:

A. Create Profile : Event corridor managers will create their profile via getting into necessary data such as call, address, telephone no., CNIC, profile photograph and so forth.

B. Login : After developing the profile, venue managers can login .

C. Manage Venue : venue managers can upload halls through entering the specified statistics together .

D. **Manage venue bookings:** Event corridor managers can accept or cancel venue reserving requests, in case a corridor is booked it will likely be shown as booked to different customers. Event hall managers can manipulate the hall timings.

3.3 Customers:

A. **Create Profile:** Customers will create their profile by entering essential statistics including name, deal with, smartphone no. , CNIC, profile picture and many others.

B. **Login:** After developing the profile, customers can login .

C. **Search Venues:** Customers can search an event corridor with exclusive filters which include Event type, region, Hall length, price, minimum No. Of persons , scores .

D. **Book venue Request:** If a venue is available, the consumer can request for corridor reservation by entering facts including Event type, Number Of individuals, date ,timings, menu , extra functionality(if needed) and many others. And the bill could be car generated on the basis of entered statistics.

E. **Customer Queries :** A customer who has booked a corridor currently can provide feedback on the basis of his/ her experiences

4 . Other Non Functional Requirements

4.1 Security : Only the event manager can see customer contact details who request for booking Admin can verify manager information of the venue.

4.2 Usability : The system interface has to be user friendly and easy to use.

4.3 Performance : The performance shall depend upon hardware components of the customer. The system load time should not be more than three second for customer and event manager.

4.4 Software Quality Attributes : This website shall be available to customers on the internet 99% of the time . This website will have a responsive UI for desktop and mobile customers.

4.5 Business Rules : Only admins will be allowed to perform any kind of modification to the question or to its solution.