Conference Management and Reservation Online Portal

Software Requirements Specification

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# 1.0 Introduction

## 1.1 Purpose

The purpose of this Software Requirement Specifications (SRS) is to explain a detailed description of the function of the Conference Management and Reservation Online Portal. This document will also analyse the current system for conference management and also as well as the functions and requirements in the new system.

## 1.2 Intended Audience

Event Manager: Person who checks on the requirements and functions on this document and can make any changes.

Conference Participant: Person who are able to get the feedback about the system such as the user interface and also the functions.

## 1.3 Scope

The scope of the project is to ensure all the client’s requirements are implemented once the system developed.

## 1.4 Current Situation

Based on the gathering requirements from client, the following pain points were stated:

* Event manager had long process to book a hotel for their conference participants.
* Event manager feels tedious to manage the conference by paperwork.
* Event manager had problem to keep track of the returning participate manually.
* Conference participants who lives outside of Kuching hard to find right accommodation.
* Conference participants felt hard to extend, change or cancel their reservation.

The new conference system will provides new functionalities to the users such as:

For event manager:

* The contents are dynamic.
* Auto generate registration summary about the conference participants.
* Create a document which contain the participants information for hotel and tour booking
* All documentation change from paperwork to softcopy.

For participants:

* User friendly.
* More features like sign up as member to improve efficiency.

## 1.5 Definitions, Acronyms and Abbreviations

|  |  |
| --- | --- |
| Terminology | Definition |
| XML | Extensible Markup Language, encoding documents which is both human-readable and machine-readable. |
| HTML | Hyper Text Markup Language, a standard markup language to create web pages. |
| PHP | Hypertext Preprocessor, a server side scripting language designed for web development. |
| Username | Specified username issued to each user |
| Password | Unique character combination used to verify user. |

# 2.0 Overall Description

## 2.1 Product Perspective

The Conference Reservation System is web application that helps the end user to make a reservation or to create a conference. It can also make a room reservation as well as tour reservation. There are several functions that varies between each user according to the tasks given to each user.

## 2.2 Project Features

Project Event Manager

* Login/Logout
* Add/Delete/Edit Conference
* Add/Delete/Edit Speakers
* Add/Delete/Edit Sponsors
* Add/Delete/Edit Venues
* Add Conference Speakers
* Add Conference Sponsors
* Add/Delete/Edit Caterer
* Add Pass type
* Add session
* View Conference/Sponsors/Venues/Caterers/Speakers/Sessions
* Generate participant list
* View conference details

Conference Participants

* Login/Logout
* User Registration
* Participate Conference
  + View Conference Schedule
  + Buy conference ticket
  + Hotel room Booking
  + Tour Booking (Optional)
  + Booking Summary / Confirm Payment
  + Generate Receipt with Reference Number
* Cancel Booking
* Transfer booking
* Provide feedback
* Enquire about conference

## 2.3 System Requirements

* Company / Government Policy
  + All the standards have to be met based on the standards that are set by the company and government.
* Database Usage
  + The database set should be able to support SQL queries.
* Language
  + The language must be understandable by all users. The default language will be set to English.
* Security
  + The users must have their own user ID and password in order to use and log into the system. The credentials will be kept confidential.

## 2.4 Documentation

There will be a complete user manual provided for the Conference Reservation System after the web application is completed. All the necessary information will be showed for the proper usage and specification of the web application. It will include the processes of each function of the web application and troubleshooting procedures. The user manual will be produced in both digital and physical copies.

## 2.5 Constraints

* Budget is not specified
* Old existing hardware
* The employees only have basic knowledge of a computer

## 2.6 Assumptions

* All users have internet connection
* English language is used for communication

# 3.0 System Requirements

## 3.1 Current Business Process











## 3.2 Proposed Business Process











# 4.0 Interface Requirements

## 4.1 Hardware interfaces

The system will run on a server which connect to a network with monitor to show the user interface to every user. Mouse and keyboard used for input the data and CPU connected with network cables to the server.

## 4.2 Software Interfaces

The software interface defines the interaction of the program with the operating system and hardware. The modification upon the front end of the conference system will be based on HTML v5 and PHP v5.5. The back end which is data migration process shall be based on the MySQL 5.6 server. The operating system used at Window 7 or higher. Thus, the conference system can run on these environments as well.

## 4.3 Communication Interfaces

Our system is a HTML and PHP based online system, so it can support all the latest web browsers such as: Mozilla Firefox, Internet Explorer 10 and Google Chrome. The communication standards used by each these browsers are known as HTTP and FTP.

# 5.0 Document Approval

Software Requirements Specification approved by:

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