Software Requirements Specification (SRS)

Web Application for Horizon Air

1 Introduction

This web application for the newly established airline company named Horizon Air. The company wants to treat their customers with an attractive user friendly web site. With this web site customers can manage so many things.

2 Purpose

As told before the airline company is a newly established one and now they want to create a web site for them. Because it is inevitable to have a web application in the developing world and also to get a satisfaction from their customers. Firstly, let's see what the problems that customers have to face without a web application are. It is hard to become a leading airline service without become popularity. To gain popularity, the service should be close to customers through various ways. Creating a web application is one of these methods. With this web application users can manage so many things such as online ticket booking & cancelling and package searching efficiency and easily.

3 Scope

Scope of this system is create an automated inquiry system for this bookshop to improve a good satisfaction among customers through the work efficiency of employees.

Software product name: **Horizon Air**

- From this web application that developed to the Horizon Air, customers can do view schedules, view packages, to register to the system, do a booking, modify booking and also cancel booking.

- Main objective is to become a success airline service in the country.

4 Specific requirements

- **Hardware –**   core i3 processor

    4GB Ram

    1366x768 resolution monitor

- **Software -**   DreamViewer CS6

    Google chrome

    XAMPP

- **Interface requirements** –   Login interface

    Ticket booking interface

    Manage booking interface

    Registration interface

5 Functional requirements

5.1 Overview of Functional Requirements

Login

Can be log in to the system as an Admin or a User.

View schedule

Can be viewed the schedule.

View packages

Can be viewed packages.

Booking tickets

Can be reservation tickets that want.

Manage bookings

Can be cancelled bookings or updated.

Add new admin users

Can be added new users as admins.

Manage system users

Can be deleted or updated system users.

Add new time slots for schedule

Can be added time slots to the schedule.

Manage schedule

Can be updated or deleted time slots of the schedule.

5.2 Detailed Functional Requirements

Login UI

purpose	Log in to the site as a User or as an Admin.
inputs	The user will be expected to input their valid Email and Password.
processing	Email and the password that includes in the database should match with the Email and password that entered by user.
outputs	The output will be a success and log in the user to the website.

View schedule

purpose	View the flight schedule.
inputs	User should go to the Flight schedule.
processing	View the data that stored in the database before.
outputs	Display the flight schedule.

View packages

purpose	View the packages.
inputs	User should go to the View packages.
processing	View the data that stored in the database before.
outputs	Display the packages.

Booking tickets

purpose	Reserve tickets.
inputs	User should go to the Reservations and enter the details.
processing	Store the data that entered by user about reservations in the database.
outputs	Booking tickets and confirm all the details.

Manage bookings

purpose	Update or cancel bookings.
inputs	User should go to the Manage Reservations and give the details that should be updated or deleted.
processing	Read the data that stored in the database and update or delete data according to entering the data by user.
outputs	Update or delete booking data.

Add new Admin users

purpose	Add new admins to the site.
inputs	User should add email, user name and password.
processing	Store the data that entered by user about admins in the database.
outputs	Add new admins.

Manage system users

purpose	Manage admins and users.
inputs	User should go to the Manage system user and update or delete users.
processing	Store the data that entered by user about users in the database and update or delete data.

outputs	Update or delete admins or users.

Add new time slots to schedule

purpose	Add new time slots to the schedule.
inputs	User should go to the Add new schedule slot and add data.
processing	Store the data that entered by user about time slots in the database.
outputs	New time slots to the schedule.

Manage schedule

purpose	Update or delete time slots.
inputs	User should go to the Manage schedules.
processing	Store the data that entered by user in the database and update or delete data.
outputs	Update or delete time slots.

6   <u>Non-functional requirements</u>

- **Performance** -

  System should be delayed and interactive. That means when system is responding it should not take too long time to load data.

- **Usability** –

  System should not be complex to the user and should be easy to handle. And also it is better if the system has user friendly messages also.

- **Modifiability** –

  New software or new features should be addable to the system.

- **Reliability** –

  If there is an error it should be clear and should be strategy for correction.

- **Availability** –

  System should be working 24/7