HOMESTAY ONLINE BOOKING AND MANAGEMENT SYSTEM

YANG JIAN YU

A thesis submitted in fulfillment of the requirements for the award of the degree of Bachelor of Computer Sciences (Computer Systems & Networking)

Faculty of Computer Systems & Software Engineering
University Malaysia Pahang

JUNE 2012

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

ABSTRACT

The objective of this paper is to discuss Homestay Online Booking and Management System develops in web-based application. It is based on first come first serve concept. This system is develops to simplify booking process but also develop a searching and database synchronization . The design of this system included system interface design and database design. Flow chart, use block diagram are use for represent flowing process will occur when user interact with the system. However, the expected result shall be planning from now to reduce the risk taken.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

TABLE OF CONTENTS

DECLARATION		i
SUPERVISOR'S DECLARATION		ii
ACKNOWLEDGEMENT		iii
ABSTRACT		iv
TABLE OF CONTENTS		v
LIST OF TABLES		ix
LIST OF FIGURES		x

CHAPTER	TITLE	PAGE
1	**INTRODUCTION**	
	1.1. Introduction	**1**
	1.2. Problem Statement	**2**
	1.3. Objectives	**3**
	1.4. Scopes	**4**
	1.5. Expected result contribution	**4**
	1.6. Thesis Organization	**5**
2	**LITERATURE REVIEW**	
	2.0 Introduction	7
	2.1 Existing System	**7**
	2.1.1 Laguna Redang Island Resort Booking System	**7**
	2.1.2 Hosteling International Online Booking System	**9**
	2.1.3 Four Seasons Resort Langkawi Online Booking System	

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

13

2.2 Compare the three systems 16

2.3 Types of Application 18

2.3.1 Web Based Application 18

2.3.2 Stand alone Application 19

2.3.2 Comparison between web based application and stand alone application. 20

2.4.0 Development Tools 22

2.4.1 Difference between Software Tools (Microsoft FrontPage and Adobe Dreamweaver) 22

2.4.2 Web Programming Languages 23

2.4.3 Advantage and disadvantage between PHP, ASP and JSP 24

2.4.4 Database 26

2.4.4.1 Microsoft SQL Server 26

2.4.4.2 PhpMyAdmin 26

2.4.4.3 Advantage and disadvantage between Microsoft SQL Server and PhpMyAdmin 27

2.5 Summary 28

3 METHODOLOGY

3.1 Introduction 29

3.2 System Development Life Cycle 30

3.2.1 Five phase of General SDLC Model 31

3.2.1.1 Planning 31

3.2.1.2 Analysis 31

3.2.1.3 Design 32

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

3.2.1.3 Block Diagram 33
3.2.1.3.1 Flow chart for register system 34
3.2.1.3.2 Flow chart for Homestay-keeper information publish 35
3.2.1.3.3 Flow chart for Homestay reservation 36
3.2.1.4 Implementation 37
3.2.1.5 Maintenance 37

3.2.2 Development tools 37
3.2.2.1 Microsoft Visual Studio 2008 37
3.2.2.2Microsoft Office Access 2007 38
3.4 Software and Hardware Requirement 38
3.4.1 Software Requirement 39
3.4.2 Hardware Requirement 40
3.5 Summary 41

4 IMPLEMENTATION

4.1 Database Implementation 42
4.1.1 phpMyAdmin 42
4.1.2 Database Connection 43
4.2 System Interface and Implementation 43
4.2.1User Module 44
4.2.1.1 Main Page 44
4.2.1.2 Registration and Login model 45
4.2.1.3 Reservation and Search Module 47
4.2.1.4 Content model 49
4.2.2 Admin Module 49
4.2.2.1 Homestay Manage. 49
4.2.2.2 Content Manage. 52

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

4.2.2.3 Admin Management 53

5 RESULT AND DISCUSSION

5.1 Introduction 54

5.2 Analysis Result 54

5.3 Constraints 55

5.3.1Development Constraints 56

5.4 Future Enhancement 57

REFERENCES 58

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

LIST OF TABLES

TABLE NO.	TITLE	PAGE
2.1.1.2	Advantages and Disadvantages of Laguna Redang Island Resort Booking System	8
2.1.2.2	Advantages and Disadvantages of Hosteling International Online Booking System	11
2.1.3.2	Advantages and Disadvantages of Four Seasons Resort Langkawi Online Booking System	15
2.2	Compare of Laguna Redang Island Resort Booking System, Hosteling International Online Booking System and Four Seasons Resort Langkawi Online Booking System.	16
2.3.2	Comparison between web based application and stand alone application.	20
2.4.1	Difference between Microsoft FrontPage and Adobe Dreamweaver	22
2.4.3	Advantage and disadvantage between PHP, ASP and JSP	24
2.4.4.3	Advantage and disadvantage between Microsoft SQL Server and PhpMyAdmin	27
3.4.1	Software Requirements to Develop the System	39
3.4.2	Hardware Requirements to Develop the System	40

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

LIST OF FIGURES

FIGURE NO.	TITLE	PAGE
2.1.1.1	Laguna Redang Island Resort home page.	7
2.1.1.2	Laguna Redang Island Resort Reservation page.	8
2.1.2.1	Hosteling International Online Booking System Home Page.	10
2.1.2.2	Hosteling International Online Booking System Booking Page.	11
2.1.3.1	Four Seasons Resort Langkawi Online Booking System Home Page	13
2.1.3.2	Four Seasons Resort Langkawi Online Booking System Booking Page and Register Page.	14
2.3.1	Scenario and some functions of the Web-based system.	19
3.2	General SDLC Model	30
3.2.1.3.1	Floe chart for register system	34
3.2.1.3.2	Flow chart for Homestay-keeper information publish	35
3.2.1.3.3	Flow chart for Homestay reservation	36
4.1.1	Tables of the database.	43
4.1.2	Database connection coding.	43
4.2.1.1	Main page of Homestay Online Booking and Management System	44
4.2.1.2	Registration page of the system.	45
4.2.1.2.1	Login model of the system	45
4.2.1.3	Search page of the system.	47
4.2.1.3.1	View room detail.	48
4.2.1.3.2	Booking page.	48
4.2.1.4	Content page of the system	49
4.2.2.1	Add homestay page	50
4.2.2.1.1	Homestay manage page.	50
4.2.2.1.2	Add rooms to homestay page.	51
4.2.2.1.3	Manage rooms page.	51
4.2.2.2	Content manage page	52
4.2.2.3	Admin Management page.	53

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

CHAPTER 1

INTRODUCTION

1.1 Background

The activities of Tourism Industry in Malaysia are directed towards improving the Malaysian tourism services. Owing to the good standards the Tourism industry in Malaysia maintains, it also appeals to many investors to invest in the Malaysian tourism industry. This inflicts a positive influence on the economy of Malaysia. Tourism industry in Malaysia provide ample scope for employment. There are several people who are recruited either in tourism industry directly or related industries[1].

Thus have resulted in increase in the number of homestay as the Malaysia people facing the opportunity to increase their income. However the homestay is not popular as hotel or guesthouse in traveling, and all the serve is by the customer themselves. But the homestay also use their advantage to attract customers such as homestay makes low cost. It layout like stay at home, you can cook, you can invent friend and enjoy the meal, it has sofa before the TV. Homestay is not only like hotel to sleep, actually you can enjoy the home and stay.

Homestay Online Booking and Management System. It Can submit users need to check in form information through Internet. The staff can read from the background can read this information as soon as possible to deal with customer needs. Also has a

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

lot information about the hotel can show the homestay room, material, information content presented to the customer conveniently. Through the Homestay Online Booking and Management System customers can search and book the homestay, check the availably of rooms, see the types of rooms, look for the further information, notes the massage and online payment.

Homestay Online Booking and Management System will manage the guest rooms, guest need resources information, information management. To understand the information changed in time, the more beneficial to improve the management efficiency.

1.2 Problem statements

With the increase of global business and number of traveler. We are also looking for lower and better accommodation, homestay provide for these needs with convenient services. However, a variety of hotels are already all over the world and a wide range of hotel online boking website has buried the small investment like homestay. So they only can discovered it while travel and business. The following points are some current problem in homestay.

1. No professional managers to manage.
2. The publicity is not good, and unknown by people.
3. The concept are not familiar by customers, they trust hostel more.
4. Inconvenient order was abandoned and chose more convenient hotel online

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

booking.

However, no matter how a homestay information platform is designed, homestay information integration is always a most tough but important issue to resolve.[2][3] Homestay Online Booking and Management System is completely a network operating platform, the main site is use to view the main information and sign in or sign up. Main website for the website display the homestay information , online reservations, online messages login function (divided into the customer login and homestay-keeper login) and other functions to the users who come Kuantan and wants to sleep over.

1.3 Objective

In order to develop the Homestay Online Booking and Management System, the Objective of this project are:

1. To develop a Homestay Online Booking and Management System.

1.4 Scope

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

The scope of the project will only include the following:

1. This system will be developed by using Microsoft Visual Basic . NET and other computers aided tools.

2. Homestay Online Booking and Management System will only cover homestay used by the people around in Kuantan area only.

3. The system will alow for availably check, and information of the homestay.

4. The system allow booking homestay through online.

1.5 Expected result contribution

To customers:

--- Allow customers to check home/room availability and homestay information.

--- Allow customers to leave massage for each homestay.

--- Allow customers to book the available room/house through the internet.

To homestay-keeper

--- Allow homestay-keeper to update the information of the rooms

--- Allow homestay-keeper to answer and notes follow the customers' massage.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

1.6 Thesis Organization

Overall this thesis contains six chapters. Chapter one gives an overview of the research. It consists of five subtopics which are introduction, problem statements, objectives, scopes and thesis organization. Chapter two reviews the previous research works that was conducted and method usually used by researcher. All of the relevant books, report, journals and internet taken from those researches will be discussed in detail. Chapter three reveals the techniques and requirements that will be used in this project, some software will be display and compared. Chapter four discusses the details of the implementation and expected result, it will shows how the website work by customer and homestay-keeper.

CHAPTER 2

LITERATURE REVIEW

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

2.0 Introduction

This chapter review on the existing system and techniques related with Homestay Online Booking and Management System that will be developed later. In section 2.1 we describe three related system by show the interface and compared with those three system. In section 2.2 we show the type of application that may use in the project. The development tools will display in section 2.3. Section 2.4 summary will summarize this chapter.

2.1 Existing Systems

2.1.1 Laguna Redang Island Resort Booking System

2.1.1.1 Introduction

Laguna Redang Island Resort designed as a modern interpretation of traditional Malay architecture, the low-rise resort blends harmoniously with the environment, making it one of the loveliest resorts in the island. Located on one of the best beach on the island, the hotel is set against a backdrop of fine powder-white sand, crystal-clear waters and emerald hills.[7]

Laguna Redang Island Resort Booking System is for customers who want to

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

have a vacation or fun on the island to booking the hotel rooms. People go through the website can know the brief situation of the Resort and Beach.

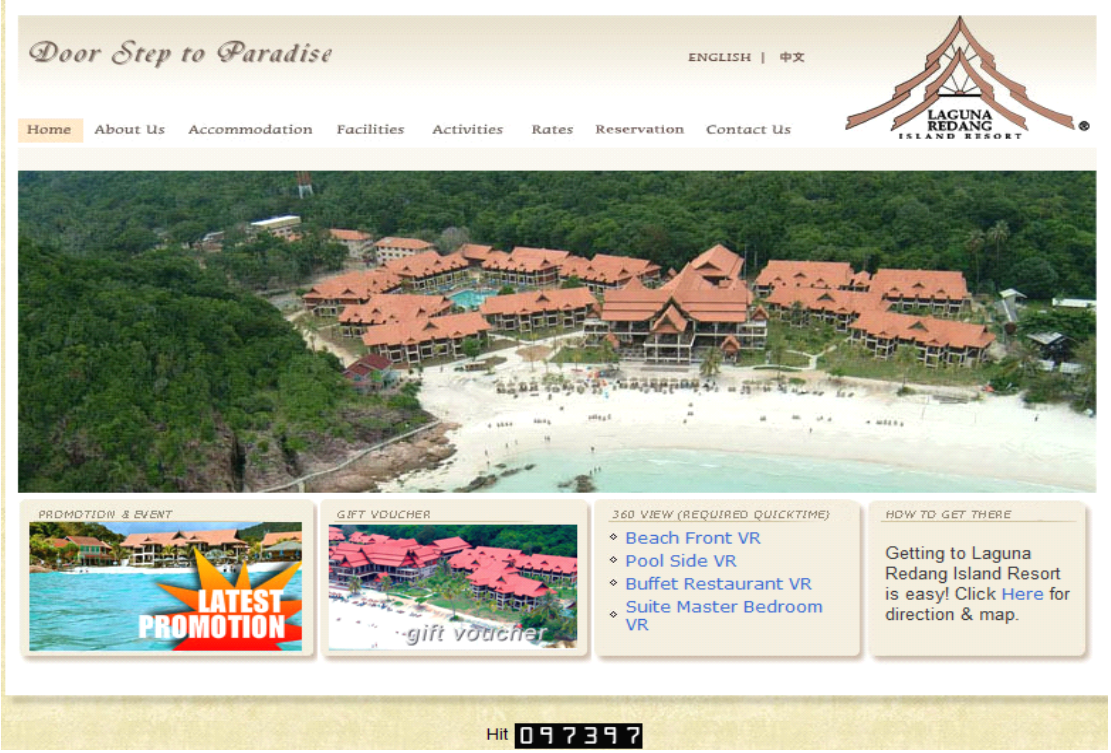

Figure 2.1.1.1 Laguna Redang Island Resort home page.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

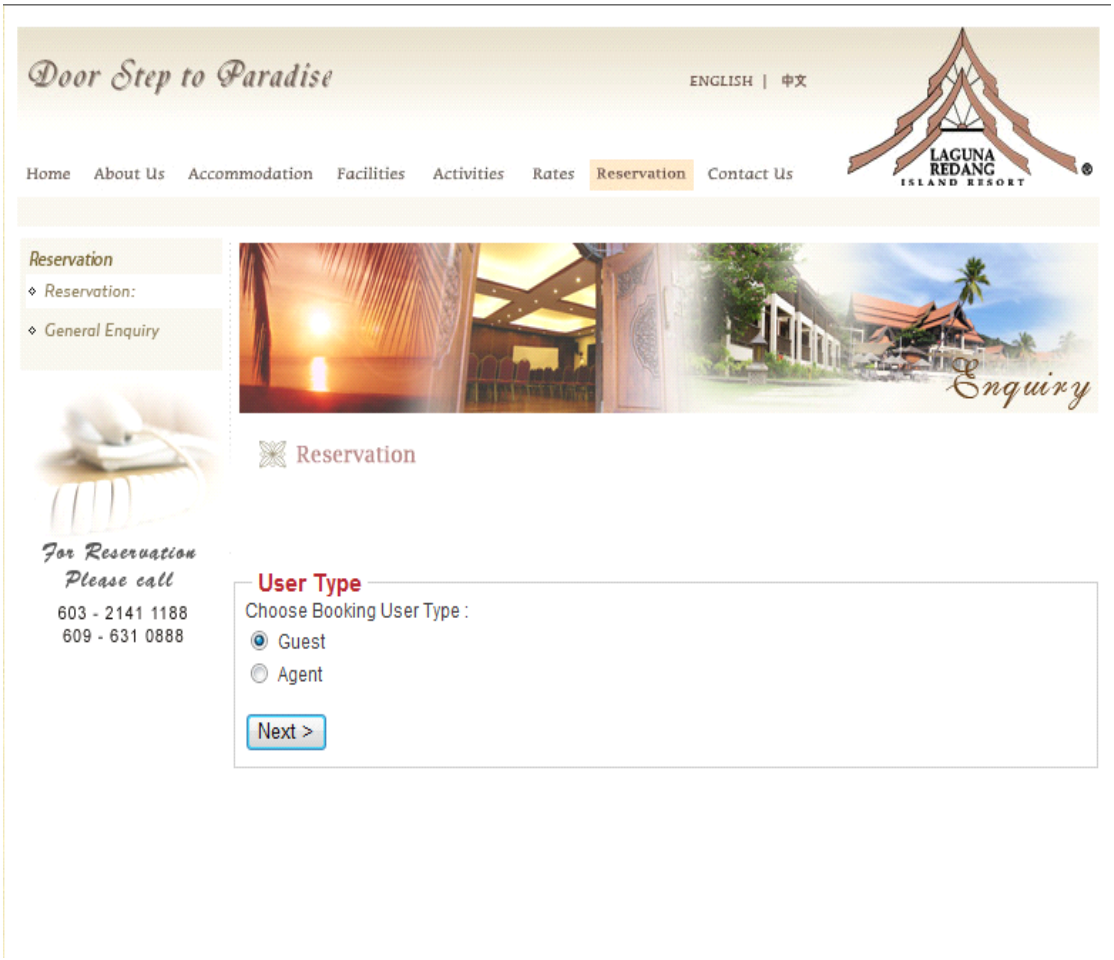

Figure 2.1.1.2 Laguna Redang Island Resort Reservation page.

2.1.1.2: Advantages and Disadvantages of Laguna Redang Island Resort Booking System

	Advantages	Disadvantages
User friendly	1.Easy to use and make a booking . 2.Customers can see the schedule by week instead of try one by one for time booking.	1. Small characters makes customer hard to read. 2. No login/logout system, customers can not check the booking states, can not manager their information

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

		and personality settings. 3.Only fucose on one hotel.
Structure:	1.Reasonable layout customers difficult to get mistake. 2.And there are some pictures that show the real view of the hotel and facilities around the hotel.	1.There is no pictures and explanation for the rooms when customers possess their booking. 2.Booking page is not show the previous step and information when booking the rooms.
Security	1. There is no online payment, the bank account will not be stolen.	1.System has no security system to protect customers' information.

Table 2.1.1.2: Advantages and Disadvantages of Laguna Redang Island Resort Booking System

2.1.2 Hosteling International Online Booking System

2.1.2.1 Introduction

Hosteling International is the brand name of more than 90 Youth Hostel Associations in 90 countries, operating 4,000 hostels[4]. This system allow customers to book the hostel, hotel, homestay and guesthouse all over the world. Figure 2.1.2.1 shows the home page of Hosteling International Online Booking System. Figure 2.1.2.2 is Hosteling International Online Booking System Booking Page.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Figure 2.1.2.1 Hosteling International Online Booking System Home Page.

The picture above show s the home page of Hosteling International Online Booking System. Customers select the place, arrival date, departure date, night to stay and numbers of the customers to go on check the available hostels.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

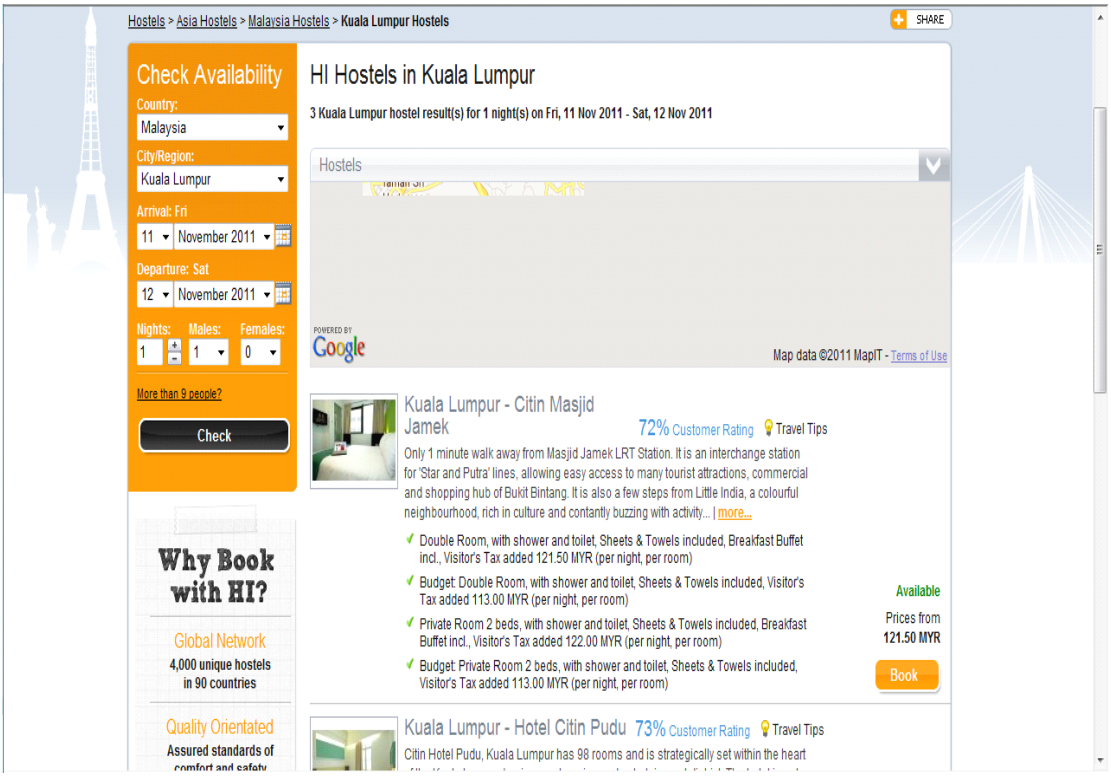

Figure 2.1.2.2 Hosteling International Online Booking System Booking Page.

After the operating the home page the result will shown like the figure above. This webpage is allow customer to chose the accurate hostel want to stay. The hostel information are displayed at the website for customers to decide and compare.

2.1.2.2 Advantages and Disadvantages of Hosteling International Online Booking System

	Advantages	Disadvantages
User friendly	1. Beautiful and attractive design, makes people like to search the information on the website. 2.From this system people can search	1. No login/logout system, customers can not check the booking states and manager their information

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

	the hotel on the place where they want to go. 3. Customers can see the schedule by week instead of try one by one for time booking. 4.Show all the hotels in the world.	and settings.
Structure:	1.Reasonable layout customers difficult to get mistake. 2.There are a lot pictures and details that show the real view of the hotel and facilities around the hotel. 3.System display the hostel location by using online-map. 4.This system collect all the hotels that take part in its group around the world Not only for one hotel.	1.There is no pictures and explanation for the rooms when customers possess their booking.
Security		1.System has no security system to protect customers' information.

Table 2.1.2.2 Advantages and Disadvantages of Hosteling International Online Booking System

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

2.1.3Four Seasons Resort Langkawi Online Booking System

2.1.3.1 Introduction

The Four Seasons Resort Langkawi is fringed by silvery sands, lush rainforests, mountain landscapes and emerald waters. Individual pavilions are scattered throughout the Resort with exquisite landscaped gardens, in the style of a native village. [8] This system is allow customers book the Four season hotel at Langkawi only. Four season hotel is a chain-hotel around the world. Two figure blew shows the home page, booking and login interface.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Figure 2.1.3.1 Four Seasons Resort Langkawi Online Booking System Home Page

According to the Four Seasons Resort Langkawi Online Booking System Home Page above. Beside the hotel quick finder interface, there also shows some travel information and induction of the Langkawi. There are also some advertisement and recommended information on the website, it makes the system very human. Also have the forum to build a platform to communication.

Figure 2.1.3.1 Four Seasons Resort Langkawi Online Booking System Booking Page and Register Page.

This page has divided into two parts login/logout system and booking system.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

Login/Logout system is for customer login in their own site and manage their information or check their booking. The main function is booking states selection and check the available hotel for the travel.

2.1.3.2 Advantages and Disadvantages of Four Seasons Resort Langkawi Online Booking System

	Advantages	Disadvantages
User friendly	1.Beautiful and attractive design, makes people like to search the information on the website. 2.All the hotel information and travel guide are provide in the website.	1.Login/Logout system is not attractive.
Structure:	1.Reasonable layout customers difficult to get mistake. 2.The pictures that show the real view of the hotel and facilities around the hotel. 3.The divertisement is very helpful for the customer to chose a hostel.	1.There is no pictures and explanation for the rooms when customers process their booking.

Table 2.1.3.2 Advantages and Disadvantages of Four Seasons Resort Langkawi Online Booking System

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional

2.2 Compare the three systems

2.2 Compare of Laguna Redang Island Resort Booking System, Hosteling International Online Booking System and Four Seasons Resort Langkawi Online Booking System.

	Laguna Redang Island Resort Booking System	Hosteling International Online Booking System	Four Seasons Resort Langkawi Online Booking System
Advantages	1. Easy to use and make a booking . 2.Customers can see the schedule by week instead of try one by one for time booking. 3.Reasonable layout customers difficult to get mistake. 4.Pictures that show the real view of the hotel and facilities around the hotel. 5. There is no online payment, the bank	1.Beautiful and attractive design, makes people like to search the information on the website. 2.From this system people can search the hotel on the place where they want to go. 3. Customers can see the schedule by week instead of try one by one for time booking. 4.Show all the hotels in the worldthe world	1.More detail travel information makes customers get interesting in the website. 2.The system design a little sub-pages to show more detail. 3.Forum page makes a platform to communication. 4.Login/Logout system more efficiency.

Created with nitroPDF professional
download the free trial online at nitropdf.com/professional