

Higher National Diploma in Information Technology



Advanced Technological Institute Batticaloa (ATI)

Hotel Room Booking System

Supervised by

Mr. Thevarupan sir

Name

Af.Sasna (Developer track)

Reg.no

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Table of Contents

1. Introduction.....	1
2. Background and Motivation.....	2
3. Problem in Brief.....	3
4. Aim and Objectives.....	4
4.1.Aim.....	4
4.2 .Objectives.....	4
5. Proposed solution.....	5
5.1 The design,.....	5
5.2 The main user.....	5
5.3 Their activities.....	5
6 .Resource requirements.....	6
6.1. Hardware Requirement.....	6
6.2. Software Requirement	6
6.3. Languages	6
7 .References	7
.	

1. Introduction

Information Technology is widely used for faster and easier way of transaction and communications. It is also used in managing the operation undertaken by the business. Hotel room booking System is a web application implemented in PHP to reserve hotel rooms

Most of the Hotel room booking System has file system. In this method owner encountered many problems. Using traditional method sometimes there will be a data loss in manual method and making changes in the information or details are very difficult. If they want to search for details in current method, it's time consuming and difficult to find and manage correct information. But our system reduces paper works and transfers the all details as computerized.

Hotel room booking System is a system that helps us to manage the all function of their company reservation activities. The project contains the admin side and the user side. Sri Lanka is one of the most beautiful country in the South Asia. It has so many attractive tourist places. This includes information about all holiday places rent and the facilities they have. Also, they can visit out tour packages and reserve. Users can view the details of the upcoming events too. After reserving they must do the payment to confirm the booking. Administrator module, User module, login module, hotel module, reservation module, payment module are the main modules in the system.

People they don't have sufficient time for update their day-to-day records in database, so they can use this kind of reservation system. The user can book rooms and reserve tours plan of their choice, while the admins can view all users' bookings and manage the rooms and touring plans. The design of this project is pretty simple so that the user won't find any difficulties while working on it.

2. Background and motivations

The system is concerned with developing a hotel room booking system .it is situated in Eravur main street , Batticaloa district in Sri Lanka .

Hotel room booking system designed to provides a simple information regarding the hotel daily activities .

Currently the hotel room booking system some computerized system and manually using some paper document .but the main problems of that system is not too easy to use by the without any technical knowledge person.in our word we can say not user friendly .another problem if the current system is it little bit slow compare to the modern world.the system is develop couple of year ago so it is must be upgrade/replace by new technology and new requirements .

- Maintain and provide easy access of information regarding room booking details
- Provide accurate and up to date information
- Eliminate or reduce unnecessary cost, paper work .and loss of data
- This project provide a system which manage the daily hotel room booking activities using a computer within a fractions of seconds.

3. The problem brief

The system all the booking of rooms in a hotel are done manually, so it was more time taking for an executive and customer to book, search rooms and collect payment in hotel.

Another major disadvantage is that preparing the list of all the rooms available in the hotel will take more time, currently it is doing as a one day process for verifying all records.

After conducting the feasibility study we decided to make the manual hotel room booking system to be computerized.

We had analyzed different hotel room booking systems and after that we had found the given problem in their system that are mentioned below

- Manual record keeping is not consistent as some errors can creep in while writing manually
- It is difficult to keep record of room availability and large number of customers
- More labor and time is required in this current system
- Managing room availability in order is a bit difficult, so it is not possible for an executive to search the particular room
- Collecting payment is difficult
- Inaccuracy of records

Enhanced system i.e. hotel booking system in this system developer had tried to remove all the problems that have been faced while using manual hotel booking system. In manual system an executive and customer face a problem to find the rooms that are available in the label but in current system they can easily find the details on a single click in this system.

4 .Aims & Objectives

4.1 Aims

Our main aim of building this project is to give facilities for the people who wishes to reserve places online and spend their time with their family with full secure. We have a security system to protect customer's information.

To maintain Reservation Activities without any errors. Also develop the better relation between the customer and our system. The propose system can overcome the all the limitation of the existing system. The system provides proper security and reduces the manual work.

4.2 Objectives

The main objective of this project is to develop a system that automates the process and activities of the hotels and tour reservation which provide a good service and allow customers to book places online by simply sitting in home. This helps customer in choosing the good places based on price and facilities. It reduces the number of human resource in an organization but makes the work faster and more efficient.

5. Proposed solutions

There will be many users visiting the portal and hence we require a strong and reliable frontend which can withhold the users on our site. The proposed Hotel and Tourism Reservation System provide facility for customer to visit online and check room availability, check price, features of the hotel.

They can easily visit the place using the location. Rooms can be easily reserved according to their wish and the reservation is accepted quickly. They can book tours and check for upcoming events in our system. It saves time of the staff as well as customers. After reserving the rooms, they must do the payment to confirm the reservation. A confirmation mail is sent to the customer after booking. It is easy to store and retrieve information. This system is very secure, user-friendly, and reliable.

5.1 .The design

Hotel booking system is developed using PHP, CSS and MySQL.

Talking about the system ,it contains an admin side and user side where a user can manage all the function easily

The manager plays an important role in the management of this system .in this project the user has to perform all the main functions from the admin sides

5.2. The main users

The main user of the proposed system

- Admin
- User

5.3.Their avtivities

The activities of the main user/admin of the proposed system are listend in a table below

No	Activities
01	User can login
02	View booking details
03	Admin can add /delete booking details
04	User can Apply for booking

6. Requirements

6.1 Hardware Requirements

Processor - intel core i3 or above

Processor speed – 2.0GHZ

RAM – at least 2GB

6.2 . Software Requirements

Operating systems – windows 10

Browser – internet explorer

Database – MySQL

Front end – PHP, HTML

Editor tools - notepad ++

6.3. Languages

HTML

Php

MySQL

Css

Java script

7. References

www.w3schools.com

<https://stackoverflow.com/>

https://www.youtube.com/results?search_query=php

<https://www.tutorialspoint.com/php/index.htm>