



Advanced Technological Institute - Kurunegala
Higher National Diploma in Information Technology

HNDIT2404
Project Proposal

**WEB APPLICATION FOR HOTEL BOOKING AND
RESERVATION SYSTEM**

By:
R. M. K. M. Rathnayaka
Student Number:
KUR/IT/2020/F/0056

CONTENTS

CONTENTS.....	2
1. Title.....	3
2. Introduction.....	3
3. Background and Motivation	4
3.1. Background.....	4
3.2. Motivation	5
4. Aims and Objectives	6
4.1. Aims.....	6
4.2. Objectives	6
5. Problem in Brief.....	7
6. Proposed solutions.	8
7. Resource Requirement	8
7.1. Software Requirements.....	8
7.2. Software.....	8
7.3. Hardware requirement	8
8. Gantt Chart.....	9
9. Details of the client	10
References.....	10

1. Title

Web application for hotel booking and reservation system

2. Introduction

A software application developed to help hotel workers with daily tasks is Website for hotel booking and reservation system. The installation of this web site makes it simple for hotel staff to obtain information, carry out duties, and interact with customers on their own device.

The website assists front desk employees in managing check-ins, check-outs, and accommodation reservations. It also helps housekeeping personnel with requests for maintenance and cleaning schedules for individual rooms. The website also enables users to request services, give feedback, and get helpful information about the hotel's amenities and services as well as local attractions.

Overall, a Website for hotel booking and reservation system optimizes operations, enhances the visitor experience, and increases employee efficiency. Any hotel that wants to enhance its operations and give customers a better experience should consider using it.

3. Background and Motivation

3.1. Background

The hotel industry is a competitive market, with hotels continually looking for ways to improve their operations and provide a better experience for their guests. With the rise of mobile technology, hotels have begun to use websites to streamline their operations and improve their customer service. Hotel booking and reservation website can help staff manage different tasks more efficiently, from check-ins and check-outs to room bookings and housekeeping schedules. The website can also provide guests with useful information about the hotel's amenities and services, as well as allow them to make requests and give feedback.

The development of website for a hotel management system involves several stages. First, the hotel needs to identify the tasks that the website needs to perform and the information it needs to provide. The hotel then needs to hire a team of developers to design and develop the website.

The developers will use different tools and technologies to create the website, including html, css, php, and xampp. The website needs to be user-friendly, intuitive, and compatible with different software devices. Once the website is developed, the hotel needs to test it to ensure that it functions correctly and meets the hotel's requirements. The hotel can then deploy the website to its staff and guests, providing training and support to ensure that the website is used effectively.

Hotel booking and reservation website is a valuable tool for hotels looking to improve their operations and provide a better experience for their guests. It streamlines processes, enhances communication, and helps the hotel staff focus on delivering exceptional customer service.

3.2. Motivation

The motivation behind creating website for hotel booking and reservation system is to improve the hotel's operations and provide a better experience for its guests. With a website, hotel staff can perform their tasks more efficiently and communicate with guests more effectively.

The website allows guests to access information about the hotel's amenities and services, make requests, and provide feedback. This improves guest satisfaction and enhances their overall experience. The website can help the hotel staff manage their tasks more efficiently, reducing errors and improving productivity. For example, the website can automate the process of checking in and checking out guests, allowing the front desk staff to focus on providing personalized customer service.

4. Aims and Objectives

4.1. Aims

The aims of creating hotel booking and reservation website are to improve the hotel's operations, enhance the guest experience, and increase staff productivity.

The website aims to streamline different tasks that the hotel staff perform, such as check-ins, room bookings, housekeeping schedules, and maintenance requests. By automating these tasks, the website can reduce errors and improve the speed and efficiency of the hotel's operations.

Moreover, the website aims to provide guests with easy access to information about the hotel's amenities and services, allowing them to make requests and provide feedback more quickly. This can enhance the guest experience and increase guest satisfaction.

Additionally, the website aims to increase staff productivity by providing them with a user-friendly and intuitive tool to manage their tasks. This can help the staff focus on delivering personalized customer service, ultimately improving the guest experience.

4.2. Objectives

The objectives of creating hotel booking and reservation website are:

- To automate and streamline different hotel operations, such as check-ins, room bookings, housekeeping schedules, and maintenance requests.
- To provide guests with easy access to information about the hotel's amenities and services, as well as allow them to make requests and provide feedback.
- To increase staff productivity by providing them with a user-friendly and intuitive tool to manage their tasks.
- To enhance the guest experience by providing personalized service and improving communication between guests and staff.
- To improve the hotel's efficiency, reduce errors, and ultimately increase revenue and customer loyalty.

5. Problem in Brief

The website needs to be compatible with different types of software devices, which can be a challenge due to the fragmentation of the websites ecosystem. The website needs to integrate with the hotel's existing systems and databases, which can be complex and time-consuming. The success of the website depends on how well it is adopted by the hotel staff and guests. The website needs to be user-friendly and intuitive to encourage adoption. Developing website requires expertise in programming, user interface design, and database management, which can be challenging for small hotel businesses with limited resources.

6. Proposed solutions.

- The proposed system is a website which allows staff and employers to operate their activities.
- They can manage Rooms services, Hotel Services, Customers, Booking and payments.
- Users can use it with their own mobile, laptop or computer.
- They can generate reports for hotel rooms, Customers, Payments.
- Here the Rooms module manages all the operations of rooms, Hotel module can manage Hotel, services module is normally developed for managing services.
- This project is based on HTML and PHP mainly.

7. Resource Requirement

7.1. Software Requirements

- HTML
- CSS
- PHP

7.2. Software

- XAMPP server

7.3. Hardware requirement

- Processor – AMD or Intel up to Dual core generation
- RAM – Up to 2 GB
- HDD capacity – Minimum 150 GB

8. Gantt Chart

No	Weeks Description	01	02	03	04	05	06	07	08	09	10	11	12	13
1	Problem Definition													
1.1	Define Requirments													
1.2	Develop the project proposal													
2	Planning													
2.1	Develop the scope statement													
2.2	Develop and Refine other plans													
3	Design													
3.1	User Interface Design													
3.2	Database Design													
4	Development													
4.1	Development website													
5	Testing													
6	Implementation													
7	Documentation													

9. Details of the client

Client Name: The Kroll Village Hotel
Address: Thorayaya
Contact Details: 0372232981
E-mail: krollvillage@gmail.com

References

https://www.w3schools.com/html/html_images_background.asp

https://www.w3schools.com/php/php_intro.asp

https://www.w3schools.com/css/css_intro.asp

https://www.w3schools.com/html/html_intro.asp

<https://youtu.be/gon5w4UuNSI?t=3545>

<https://www.youtube.com/watch?v=WGfWLCvU1iI&pp=ygUjaG93IHRvIGNvZGluZyBob3RlbCBib29raW5nIHdlYnNpdGU%3D>