

ONLINE RESORT BOOKING SYSTEM

INTRODUCTION

Resort management system project main idea is to develop an online web portal for atomization of resort booking system and to create a scope for visiting tourists from different geographic locations. For every resort there will be different branches at different location so managing all these resorts information will be easy through this online application. This application will help to improve services for tourists and also improve revenue source for resorts management.

In existing system manual work is used where tourists should contact through phone and know details about availability of rooms and locations to view at that area. As the usage of internet had increased developing web portal will be helpful and atomized.

OBJECTIVE

The objectives of the Resort Management System project are to create an online web portal that automates the resort booking system and provides a scope for attracting tourists from different geographic locations. The project aims to enhance the management of resorts and improve services for tourists, ultimately increasing revenue for resort management. Here are the specific objectives:

- **Online Booking Automation:** Develop a user-friendly online booking system that allows tourists to easily book accommodations and other resort services through the web portal.
- **Accommodation Management:** Include features to manage various types of accommodations, such as rooms, cottages, villas, and camping sites. Allow for the customization of room rates, availability, and descriptions
- **Reservation and Availability Tracking:** Implement a real-time reservation system that tracks room availability, preventing overbooking.

The Resort Management System aims to streamline operations, enhance the tourist experience, attract a broader customer base, and increase revenue for resort management. It also contributes to the tourism industry's growth by providing an efficient and accessible booking platform for travelers worldwide.

TOOLS/PLATFORM:

When it comes to any type of project, requirement collection plays a key role. Requirements collection is not only important for the project, but it is also important for the project management function. Requirement can be classified in to types, Software requirements and hardware requirements

HARDWARE REQUIREMENTS

The selection of hardware is very important in the existence and proper working of any software. Then selection hardware, the size and capacity requirements are also important.

- Processor : Intel Pentium and above
- RAM: 4GB or more
- Storage: 40 GB hard disk and above
- Monitor : LED display
- Key Board : Windows compatible
- Mouse : Windows compatible

SOFTWARE REQUIREMENTS

One of the most difficult task is selecting software for the system, once the system requirements is found out then we have to determine whether a particular software package fits for those system requirements. The application requirements:

- Operating System : Windows 8 or above
- Front End : HTML,CSS,BOOTSTRAP
- Back End : MYSQL , Python
- Framework : django
- IDE : PyCharm community, Android studio

- Web browser: Chrome, Explorer,etc

1. PROBLEM DEFINITION:

The existing resort booking and management process lacks efficiency and a centralized system. Resort management faces challenges in handling bookings, guest services, and maintaining information across various branches. To address these issues, the project aims to develop an online Resort Management System that streamlines booking processes, improves guest services, and enhances revenue generation for the resorts.

INITIAL REQUIREMENTS:

Resort Information Management: Create a database to store detailed information about each resort branch. Include data such as resort facilities, room types, pricing, and location details. Allow administrators to add, .update, or deactivate branches

Booking and Reservation System: Develop a booking engine for guests to check room availability and make reservations. Provide real-time room availability updates. Allow guests to select room types, dates, and other preferences. Enable guests to view booking confirmations and receipts.

Online Payment Integration: Integrate secure payment gateways to facilitate online payments for reservations. Support various payment methods, including credit/debit cards and online wallets. Ensure compliance with .payment industry security standards.

By defining these initial requirements, you lay the foundation for the development of an efficient and userfriendly Resort Management System that benefits both resort management and visiting tourists. Regular feedback from resort staff and guests should be incorporated into the system's development to meet their evolving needs and expectations.

BASIC FUNCTIONALITIES OF THE PROJECT

A Resort Management System aims to streamline the resort booking process and enhance the overall experience for tourists. Here are the basic functionalities of such a system

- User :
 - Register
 - Login
 - View resort and track
 - View room allocation
 - Chat view booking status
 - View facilities and book
 - Payment
 - Send complaint
 - View replay
 - View location

- ADMIN
 - Login
 - Resort verification
 - Resort block / unblock
 - Resort based rating and reviews
 - Complaint and send replay
 - View location
 - View users

- RESORT
 - Register
 - Login
 - Facility management
 - Manage room
 - View booking and verify
 - View rating and reviews
 - Chat with Users
 - View payment