

ROOM RENTAL MANAGEMENT SYSTEM

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Abstract - We are stuck with technology when what we really want is just stuff that works. With the current paradigm shift in technological field, there is an urgent need to embrace and appreciate the power of technology. Rental sector remains vigilant to face the challenges of change by employing a new strategy that facilitates easy management of rental houses. Hence there is need to develop a rental house management system that can simplify work for the rental managers so that all their work can be efficient and effective. The Rental Management System is searching in Based on the Apartment Paying Guest, Office, House in metropolitan cities. The Rental Management System is based on the Owners and the Customers. The Owner is updated on the Apartment, Office details, House, Paying Guest details. The Customer is details about the Room space, Room rent and the Address Details also. The Rental Management System is best Suitable the owners because time save and the only contact and the eligible person and there is no need to explain the room details on the speak. The Room Rental Management System is best application in the city place The customer contact and the easily search and the suitable place of Apartment, Office, PG, House and based the Money, Limit Person is based on the suitable house. The Rental Management System is save the time also.

1.INTRODUCTION

Room Rental Management System is a house/Apartment/home that can be used temporarily for a fee during a specified period. This system increases customer retention and simplify House and staff management. This is also provide with the additional service in exchange of fee. A Room rental management system is a room that can be used temporarily for a period of time with a fee. Renting a house assists people to live in a comfortable house when they do not have access to build their own personal homes/houses or. The individual who want to rent a house/room/apartment/home must first contact the House rental company for the desire House-/Home/apartment. This can be done online. Most companies throughout the industry make a profit based of the type of house that are rented. The rental houses are categorized into modern Homes, Colonial, apartment, Rentals etc. And customers are free to choose any house of their choice based on their purse and availability of such houses at the time of booking.

2.SDLC MODEL:

The SDLC is a conceptual model for project management that identifies the steps that make up a project. From the first feasibility study to the ongoing maintenance of an information system.

2.1. PHASES OF SDLC MODEL:

Phases of SDLC Model :

1.Feasibility study : A project that is possible at one time may become infeasible at a later period, according to the feasibility study. As a result, different go/no-go checkpoints or management reviews are required as part of the Systems Development Life Cycle (SDLC).

2.Requirement Analysis: The requirements were to edit the given dataset of students if the user provided certain data, calculate the student's grade, and display graphs such as count vs grade for male and female students.

3.Design and Build: In this step, we have designed the project's structure in soft copy, such as buttons and labels, so that we may code the project. We will then construct and develop the project.

4.Test and Maintain: After completing the project, test it and maintain all of the needed phases of the project, as well as the papers.

Advantage Of Iterative Waterfall Model

We are using this Model for the following advantages:

- **Feedback Path –**

There are no feedback pathways in the standard waterfall paradigm, hence there is no mechanism for error correction. However, in the iterative waterfall approach, the feedback channel from one phase to the previous phase allows for the correction of errors, and these changes are mirrored in subsequent phases.

- **Easy to understand and use** — The iterative waterfall paradigm is simple to grasp and apply. As a result, it's one of the most popular software development models.

- **Cost-Effective** — Changing the strategy or requirements in the model is extremely cost-effective. Furthermore, it is ideally suited for nimble businesses.

- **Well-organized** — In this model, the team spends less time documenting and more time developing and designing.

3.Requirement Analysis

In any organization, every new product or service is created in response to a business need. However, despite spending tremendous time and resources on development, there can be a mismatch between the required product and the final product. Hence, there is a need for a focused and detailed requirements analysis in the early stages of any project to avoid major problems in the future

4.Functional Requirement

The requested software must have the following features:

- Ability to securely insert, retain, and update data about Tenants in room management system.
- Able to anticipate room at any time.

5.HARDWARE REQUIREMENTS:

- Processor Pentium or higher.
- Processor Speed 1Ghz.
- 32-bit CPU (Intel / AMD architecture)
- Hard Disk Space 1 GB (min.)
- Ram Memory 2GB (4 GB recommended)

6.SOFTWARE REQUIREMENTS:

- Operating System Windows 95/98/NT/2000 /10/7/8
- Database Server MySql /XAMPP/WAMP
- SDK

7.SYSTEM REQUIREMENTS(USER):-

Any user having the following essentials can access this App:

- Mobile Processor or Computer Processor
- Mobile or Computer space : 50 MB
- 512 MB (minimum)
- Internet
- ID and Password
- Operating System

- Android, Windows, iOS

8. TECHNOLOGY USED:

HTML

CSS

PHP

XAMPP

-MySQL

-Apache

9. CONCLUSION:

Room Rental business has emerged with a new goodies compared to the past experience where every activity concerning House rental business is limited to a physical location only. Even though the physical location has not been totally eradicated; the nature of functions and how these functions are achieved has been reshaped by the power of internet. Nowadays, customers can reserve beds/rooms online, and have the deal done successfully without any sweat once the customer is a registered member of the Room Rental Management System.

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11. REFERENCE:**WEBSITES**

- <https://www.javatpoint.com/software-engineering-sdlc-models>
- [https://en.wikipedia.org/wiki/Android\(operating_system\)](https://en.wikipedia.org/wiki/Android(operating_system))
- <https://developer.android.com/studio/index.html>
- https://www.tutorialspoint.com/android/android_studio
- <https://www.developerfeed.com/Android/>
- <https://developer.android.com/studio/archive>