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Exploring the Impact of House Renting Websites: A Comparative Study on User Experience

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ABSTRACT—

The purpose of this research paper is to analyze the development and impact of a house renting website. The house renting website is a platform that allows users to book house rooms, apartments, villas, and other accommodation types in a seamless manner. The website is designed to provide a user-friendly interface and a range of features that enhance the user experience. In this paper, we discuss the development process of the website, including its design, features, and functionality. We also examine the market for house renting website, identifying the key players in the industry, and their strengths and weaknesses. Finally, we discuss the potential impact of the website on the hospitality industry and the economy at large.

Keywords— Home Stay, Local Stay Alternate Accommodation

I. Introduction

A. Background and context of the problem

With the advent of luxury hotels finding a nice place to stay in cities at a fair price can be a challenge for travelers due to various reasons.

Some of the problems that travelers face are:

- High demand and limited availability: Cities attract a lot of travelers, especially during peak seasons, which leads to high demand for accommodations. The limited availability of affordable accommodations leads to higher prices and fewer options for travelers.

- Location: Finding a place to stay that is conveniently located can be a challenge. Many travelers prefer to stay in central locations, which tend to be more expensive. However, accommodations in more affordable locations may be farther away from the city center and may require more time and money for transportation.

- Lack of information: It can be challenging to find reliable information about accommodations, particularly if you're not familiar with the city. Reviews and ratings on travel websites may be unreliable or outdated, and it can be challenging to determine if the price of a room is fair.

- Seasonal price fluctuations: The prices of accommodations can vary significantly depending on the season. During peak travel seasons, prices tend to be higher, making it difficult to find affordable options.

- Hidden fees and charges: Travelers may encounter additional fees and charges that are not included in the advertised price, such as resort fees, cleaning fees, and taxes. These fees can add up quickly and make the overall cost of the stay much higher than expected.

- To overcome these problems, travelers should plan ahead and book accommodations as early as possible. It is also helpful to research different neighborhoods and consider staying in areas outside of the city center to find more affordable options. Travelers can also use reliable travel websites and apps to read reviews and compare prices. Finally, it is essential to read the fine print and ask questions about any additional fees or charges before booking a room.

- Our app will help the travelers with local staying options that is in the main market that too with prices reasonably less than that of the hotels, there are a number of property owners with spare rooms and thus availability might not be an issue since the stay would be temporary it would help both the travelers and the renters ensuring mutual benefit and help them bond beyond the business.

B. Purpose and objectives of the project

The purpose of this project is to develop solution called In-House to address these challenges in the tourism. The specific objectives of the project are to:

1. To provide a platform which will make finding local accommodation easily and efficiently.

2.	To make the cost of staying reasonable which can boost more traveling and thus benefit tourism.

3.	To help local property owners with a platform to find renters easy without any brokerage.

4.	Generating employments for the locals serving the travelers

C. Overview of the proposed solution (In-House)

In-House is a online platform that allows people to rent out their homes, apartments, or rooms to travelers looking for short-term accommodations.

The In-House platform allows hosts to list their properties, set their own prices, and provide descriptions, photos, and other details about their accommodations. Guests can search and book these listings based on their preferences, travel dates, and location. The platform also offers a review system that allows guests and hosts to rate and provide feedback on their experiences, helping to build trust and accountability within the community.

In-House offers a wide range of accommodation options, including entire homes, private rooms, shared rooms, and Villas. It caters to various travel needs, including short-term stays for vacations, business trips, or special events.

In-House can become a popular choice for travelers seeking alternative accommodations compared to traditional hotels, as it offers a more personalized and local experience.

Overall, In-House can revolutionized the way people travel and connect with each other, providing a platform for individuals to share their spaces and experiences, and for travelers to explore and experience new destinations in a unique and authentic way.

II. Literature Review

A.	Comparison of manual and digital systems in terms of efficiency and effectiveness

Even till date where anything and everything is digitalized most property managers manage property and even tenant details on papers, which is not only a lot of hard work but also something very difficult to manage and maintain.

The amount of information the smallest piece of land entitles dozens of information on it like a house would have a file containing the house:

- Number

- Size

- Rent per month

- Expected deposit

- Occupation

- Status

- Rent payment table contains tenants:

- First name

- Last name

- Phone number

- Date of payment

- Amount and balance if any.

All this data becomes highly unmanageable and just provides text-based interface which is not as user friendly as Graphical user interface. Since the system is implemented manually, the response is very slow. Hence, there is need of reformation of the system with more advantages and flexibility.

The system eliminates most of the limitations of the existing system.

The objectives of the plan are:

• To eliminate the paper-based work.

• To save the time of both the tenant and landlord.

• To help people, especially students, to find budget friendly and silent environment.

B.	Advantages and disadvantages of existing systems

Existing system in the tourism have many advantages, such as improved efficiency and effectiveness.

Existing systems in the tourism offer numerous advantages

over manual systems, such as improved efficiency, accuracy, and effectiveness. The use of electronic records and digital communication platforms enables hosts to access and manage tenants information quickly and easily, reducing the time taken in manual searching.

However, despite these benefits, existing solutions in the tourism also have their limitations.

One major disadvantage Quality and safety concerns: As in existing systems properties are managed by individual hosts, there may be inconsistencies in terms of quality, cleanliness, safety, and security standards, which can impact the overall experience and satisfaction of travelers.

Lack of standardization: Unlike hotels, which are subject to standardized regulations and quality standards, existing systems properties can vary significantly in terms of amenities, services, and overall quality, making it challenging for travelers to assess and compare different properties.

Privacy concerns: existing systems involves staying in someone else's property, which may raise privacy concerns for some travelers, as hosts may have access to the property or may have security measures such as cameras that can impact the privacy of guests.

In conclusion, while existing systems in the tourism offer numerous advantages over manual systems, they also have their limitations in terms of integration and scope. The implementation of comprehensive digital solutions, such as In-House has the potential to address these limitations and revolutionize the way tourism is delivered and managed.

III. Methodology

A. Requirements gathering and analysis

The first step in the development of In-House was to gather requirements and analyze the needs of landlord and tenants. This involved conducting surveys and interviews to understand their specific needs and pain points.

B. System design and architecture

Based on the requirements analysis, the system design and architecture were developed. This involved creating a detailed plan for the system's functionalities and features.

C. Implementation and testing

The next step was to implement the system and test it thoroughly to ensure it met the requirements and objectives.

D. Evaluation and assessment of the system

Finally, the system was evaluated and assessed to determine its effectiveness and to identify areas for improvement.

IV. Results and Analysis

A. Overview of the developed system (In-House)

In-House is a digital platform that provides a one-stop solution for all travel needs. It allows people to rent out their homes, apartments, or rooms to travelers looking for short-term accommodations.

B. Comparison of the system with existing solutions

In-House is more comprehensive and integrated compared to existing solutions in the tourism. It provides a one-stop solution for all travel needs, whereas existing solutions are often limited in scope and functionality.

C. Areas for Improvement:

Although the system has met its objectives, there are still areas for improvement. For example, the system could be further developed to include more advanced features, such as predictive analysis and personalization.

V. Conclusion:

India is a country deeply connected to nature; tremendous amount of peace is offered in the arms of mother nature however most of these regions account for the rural of the Indian subcontinent wherein the concept of In-House hasn't even remotely reached. This platform provides the exposure which will boost its popularity in not just tier 1 cities but the entire India where in rural can generate employment at low or no investments as based on our research after the hectic work lives people are seldom seeking the most authentic and pure experience with nothing merely sophisticated they're seeking for a connection with their roots and thus this platform mediates as a bridge between people wanting to live in places that feel like home and the people providing them. The aided benefits are uncountable as they are not just monetary but also will help in employment generation, networking and most importantly providing experience of a lifetime.

The institute to overcome the problems of travelers to find a nice place to stay in the cities for a fair price could be a research and development center focused on developing innovative solutions for the hospitality industry. The institute could work with stakeholders in the industry, such as hotels, vacation rentals, and travel agencies, to identify the pain points that travelers experience when searching for accommodations in cities.

The Institute could then develop and test new technologies and platforms that make it easier for travelers to find and book accommodations at a fair price. For example, the institute could develop an app that aggregates information from various sources, including hotels, vacation rentals, and online travel agencies, to provide users with a comprehensive view of available accommodations in a given city. The app could also incorporate user reviews and ratings to help users make informed decisions.

Another area that the institute could focus on is pricing transparency. Many travelers feel that they are being overcharged for accommodations in cities, especially during peak travel seasons. The institute could develop tools that allow travelers to compare prices across different platforms and accommodations, ensuring that they are getting the best deal possible.

Finally, the institute could work with local governments and regulatory bodies to address issues related to safety and compliance. For example, the institute could develop training programs for hosts to ensure that they are providing safe and compliant accommodations to guests. The institute could also work with local authorities to develop regulations and standards for the hospitality industry that ensure the safety and comfort of guests while also promoting fair competition among providers.

Overall, the institute would play a critical role in improving the travel experience for millions of people who visit cities each year. By developing innovative solutions that address the pain points of travelers, the institute would help to promote a more sustainable and equitable hospitality industry that benefits both travelers and providers.

Tools:-

- Coding - VS-Code

Software Requirements:-

- Front-End Requirements:-
    - Html, CSS
- Back-End Requirements:-
    - Python
- Frameworks Requirements:-
    - Django
- Database Requirements:-
    - NoSQL Hardware Requirements:-
- Computer/Laptop with < 4GB RAM or more >

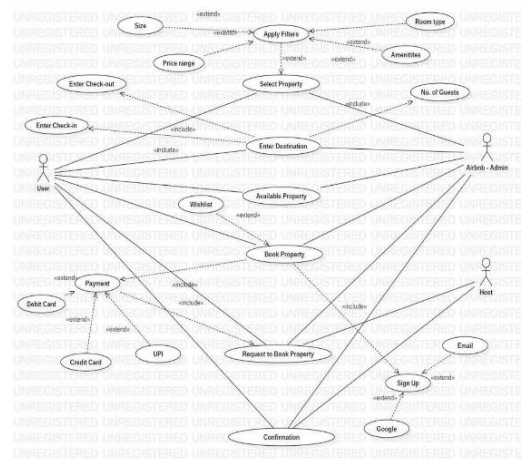< 2 GHz or more > < 64 bit dual core processor >
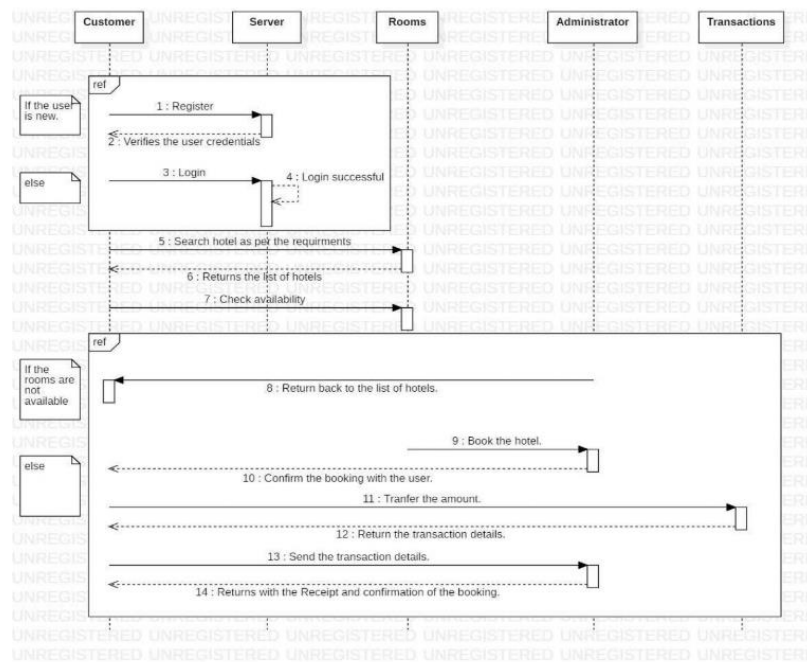
SYSTEM ARCHITECTURE -:

Fig. 1 System Architecture

Fig. 2 Sequential Diagram

VI. ACKNOWLEDGEMENT

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