



UNIBITES – A WEB APPLICATION TO FIND PG'S AND MESS

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LABSTRACT :

In today's world, online apps are commonly utilized for renting rooms, paying for guest services, and ordering food- tiffin.

Different applications have modules for various daily tasks. The components are both complex and discrete, making the work time-consuming and tedious. Finding a hostel and decent paying guest in a new location may be time-consuming and challenging, even for hostels themselves. It is fairly difficult to access all accommodation facilities separately. That's where our site comes in. It can facilitate communication between owners and users. In this assignment, we will construct an internet website.

To address these issues, we require a solution that allows users to easily complete and alter their rental accommodations.

II. Introduction:

New students are admitted to each college at its inception. These students struggle to find hostels, PGs, and flats. Even finding a decent, clean mess to consume meals in. Our website aims to assist college freshers with meeting two of their essential needs: accommodation and food. As students, we all know what issues a student encounters when

Living in a new environment with new people. To ensure a comfortable stay in a new location, it's important to ensure that the hostel's surroundings are pleasant and that it offers necessary amenities. This service offers the greatest hostel locator for these students.

Full-stack web improvement is a subset of web improvement that envelops each of the responsibilities associated with making objections for intranet or web working.

People who are unfamiliar with the city and its neighborhoods and lack connections must rely on their own judgment when looking for lodging options such as hotels, PGs, apartments, rental rooms, and hostels. However, not even asking for outside assistance—that is, using a broker—can provide a place to reside in a suitable neighborhood. Furthermore, both the broker's fees and the likelihood of being conned are excessively high. Furthermore, they probably have no knowledge of the area even though they may have narrowed down a few potential places to dwell.

The focus is on "good" cuisine because it is easily accessible everywhere, yet it is uncommon to locate a restaurant that offers hygienic, home-style food. Students will be able to easily locate these locations with the use of our website.

This page will address the issues associated with looking for a dorm or other shared housing with affordable rent and a suitable location. After registering, the user can view accommodations such as mess, rooms, and apartments based on the area they have chosen.

III. REVIEW OF LITERATURE

Composing survey is essentially finished to separate the groundwork of the continuous endeavor which helps with figuring out the imperfections in the ongoing structure and guides on which puzzling issues can work out. Along these lines, the going with focuses show the establishment as well as uncover the issues and blemishes which moved to propose plan and work on this endeavor.

A grouping of assessment has been done on learning of total approach to acting. Following section explores different references that inspect around a couple of focuses associated with the total approach to acting. This system allows the client to do their setting up for the web by themselves. Some of undertaking that the system can do are giving an inquiry for showing up date and the length of staying, giving the amount of On rooms, view each open room moreover, enables client to pick no less than one of them, recording the amount of on rooms, view each available room likewise, empowers the

client to pick no less than one of them, recording kind of guests and the quantity of going to be in the single room, giving the cost of booking, asking the clients if they need additional assistance, for instance, dinner or breakfast, taking care of the client detail; like, name, address and telephone, asking the client for certification, last confirmation sees with the detail of booking and the guests can review or drop the booking.

For more comprehension the system is given a couple of figures with settlement. The chief figure shows the connection between the end client and the web server and how the clients interface subtleties and the application is done in a heart-stimulating exercise step. The ensuing figure shows the association between the client and the screen. The screen moves HTML codes to association points and when the client helps out it some cycles are done then the screen shows other pages. While the third figure shows how each page is associated with each other. The client can go to the accompanying page in three distinct ways. The first is the client resulting in implanting his/her information through pages in a course of action way. The subsequent way by course and this way enable the client to go to the previous pages or to login page. The last one can't avoid being one client insert unaccepted the page will keep the new page

1. This paper discusses the process of looking for a place to live right away when you move to a new city. This research paper's classification into several types of modules is one of its highlights. For the average money transfer, the project's fundamental overview is evident, and every transaction may be completed online via a website. In essence, anyone can reserve a new hostel and meals from any location.

2. This study places a strong emphasis on pupils analyzing problems and developing creative solutions. A thorough examination of the several kinds of instruments employed is offered. Their backend is a MongoDB database. Additionally, they have utilized Cascading Style Sheets and EJS for front-end graphical user interfaces.

3. The new approach that is being presented in this research paper will make it easier for candidates to browse through the different hostels that are offered at a certain area. Users are free to select the ideal PG or hostel based on their preferences. The user will have access to all of the hostel's details at any time and from any location, including the number of rooms, hostel photographs, and the cost per person.

4. The purpose of this research paper is to examine how to display an application to end users and offer a platform to hostellers and owners alike. Three levels make up the system architecture: presentation, business, and data.

IV .RESULT AND DISCUSSION

In order to prepare for this, we researched the needs of new students who relocate to new areas in search of education and for various work-related and educational goals. And as a result, we were able to comprehend the needs of the students and use our website to find an efficient solution to their issues. The simplest way for students to locate the best homemade meals and new hostels is through our website. We use HTML, CSS, and JavaScript on our website. VS code was used for coding. We went to some of the local hostels to learn more about the amenities and cuisine they offer to students.

After obtaining a great deal of data, we created a summary of the hostel's advantages and disadvantages.

And only those hostels or mess with reviews over average will be suggested. In addition, we gathered pictures of the hostels and mess that made the shortlist out of all the ones we could find. The same will be seen on our webpage. This will make it easier for incoming students to choose the hostel of their choosing.

V. PROBLEM STATEMENT

Moving to a new city or location might be unsettling because you are unfamiliar with the ins and outs of the new area. The primary concern for students is where to stay and eat well. According to the report, eighty percent of people are unable to locate housing on their own in a different city or town.

This website was created with those who have moved to a new city in mind, namely those who are having trouble obtaining housing and healthy eating.

VI. OBJECTIVE

1. Improve student convenience: The project's main goal is to offer a platform or application that makes it simple for students to locate appropriate dorms and dining areas close to their school institutions. Its goal is to make the process of finding and choosing suitable lodging options easier.

2. Simplify the search process: Students can look for hostels based on amenities, price range, location, and closeness to educational institutions thanks to the project's user-friendly interface. Students save time and effort as a result of the search process being streamlined.

3. Provide accurate and thorough information: The platform gives users access to complete information about each hostel, such as room kinds, amenities available, occupancy rates, rental costs, and any extra services or amenities that may be provided.

4. Ratings and reviews: Students can assess the caliber and dependability of dorms and dining facilities using this method. It contributes to the development of a community-driven platform where students may exchange experiences and give insightful feedback to one another.

VII. Methodology

The improvement of Unibites will require an organized and iterative way to deal with guaranteeing the fruitful conveyance of a top notch and easy to use web application. The accompanying technique is proposed for the undertaking:

- **Agile Methodology:** Embracing a light-footed improvement strategy, for example, Scrum or Kanban, will empower the advancement group to iteratively plan, execute, and convey highlights in short advancement cycles called runs. This approach cultivates coordinated effort, versatility, and responsiveness to changing prerequisites all through the task lifecycle.
- **Requirements Gathering:** The undertaking will start with a thorough period of prerequisites gathering, where partners' requirements, client inclinations, and practical necessities will be distinguished and reported. This stage will include directing client meetings, reviews, and statistical surveying to acquire experiences into client assumptions and industry norms.
- **Client Driven Plan:** Utilizing standards of client focused plan (UCD), the advancement group will zero in on figuring out clients' ways of behaving, inclinations, and trouble spots to illuminate the plan and improvement process. Iterative prototyping and ease of use testing will be led to approve plan choices and guarantee that the stage addresses clients' issues really.

IX. Technologies Used

a.) Node.js and Express.js:

Usage:-Node.js fills in as a runtime climate for executing server-side JavaScript code, while Express.js gives a moderate web application system based on top of Node.js. Express.js improves on the method involved with building web applications by giving a bunch of strong elements for directing, middleware the executives, and taking care of HTTP solicitations and reactions.

b.) EJS (Embedded JavaScript)

Usage: EJS is a layout motor for Node.js that empowers server-side delivering of dynamic substance. It permits engineers to insert JavaScript code straightforwardly into HTML markup, making it simpler to produce dynamic pages with information recovered from the server.

c.) MongoDB

Usage: MongoDB is a NoSQL data set known for its adaptability and versatility, making it reasonable for putting away heterogeneous information, for example, convenience postings, client profiles, and booking subtleties in Unibites. It embraces a record-based information model, putting away information in JSON-like reports, which considers simple portrayal and control of mind boggling information structures.

d.) Stripe

Usage: Stripe is a solid installment passage coordinated into PG Locator for handling on the web installments for convenience appointments. It offers a designer accommodating Programming interface and complete highlights for taking care of installment exchanges safely and proficiently.

e.) Digital Ocean

Usage: Digital Ocean fills in as the facilitating stage for Unibites, giving virtual machines (drops) and other cloud framework administrations fundamental for sending and dealing with the application.

X. Features and Functionality:

The project Unibites is divided into three modules. Users module , Tenants module and Admin module. Each module has different features and functionalities according to the needs of the user within the application.

a.) Users module

The Users module in Unibites is intended to take special care of clients looking for properties for lease. It enables clients to make profiles, look for properties in view of different models, cooperate with property postings, book facilities safely, get warnings connected with appointments, and deal with their movement through a unified dashboard.

1. Profile Creation:

- **Description:** Clients can make customized profiles inside the Unibites platform.
- **Elaboration:** This element empowers clients to lay out their personality inside the framework. They can give important data, for example, name, contact subtleties, and inclinations to improve their experience while utilizing Unibites.

2. Property Search:

- **Description:** Users can look for properties utilizing explicit standards, for example, area, value reach, and conveniences.
- **Elaboration:** Clients can investigate a large number of accessible properties custom-made to their inclinations. High level pursuit channels work with effective property revelation, guaranteeing clients track down facilities that meet their particular necessities.

3. Connection with Property Postings:

- **Description:** Users can draw in with property postings by assessing, loving, and saving them for future reference.
- **Elaboration:** This usefulness permits clients to communicate interest in properties they view as engaging. They can give input through surveys, bookmark most loved postings for speedy access, and like properties to show inclinations.

4. Property Booking:

- **Description:** Users can safely book properties by making installments utilizing card installments.
- **Elaboration:** Clients can start booking exchanges straightforwardly inside the Unibites platform. Coordinated installment doors work with secure exchanges, guaranteeing client information and monetary data stay safeguarded all through the booking system.

5. Notification system:

- Description: Users get notices with respect to booking announcements, including booking achievement, disappointment, and fruition, through email.
- Elaboration: Ongoing notices keep clients educated about the advancement regarding their appointments. Email notices give opportune updates on booking affirmations, installment status, and any applicable changes or updates connected with their reservations.

6. Dashboard management:

- Description: Users approach a concentrated dashboard where they can see every one of their appointments, likes, and other important data.
- Elaboration: The dashboard fills in as a center for clients to deal with their action inside Unibites. It gives an extensive outline of their corporations, including past appointments, saved properties, and record inclinations, empowering consistent route and the board of their Unibites experience.

By integrating these elements and functionalities, the Users module improves the client experience inside Unibites, engaging clients to find, book, and oversee facilities effectively and safely.

b.) Provider module : The Provider module Unibites is custom fitted for clients who wish to list properties for lease. It empowers landowners to make profiles, add nitty gritty property postings, oversee property data, affirm booking solicitations, and access extensive bits of knowledge through a devoted dashboard.

1. Property Posting:

- Description: Provider can add properties by finishing up an exhaustive structure covering all subtleties from property name to conveniences given.
- Elaboration: Providers can make itemized postings for their facilities, including fundamental data, for example, property name, area, portrayal, conveniences, and rental terms. Thorough postings upgrade perceivability and draw in expected occupants.

2. Property Management:

- Description: Provider can refresh or erase property subtleties on a case by case basis.
- Elaboration: This usefulness engages land owners to keep up with exact and forward-thinking data about their postings.

3. Booking Affirmation:

- Description: Provider can affirm (acknowledge/reject) booking demands for properties possessed by them, joined by a legitimate message.
- Elaboration: Land owners have the position to survey and answer booking demands from likely occupants. They can acknowledge or dismiss booking demands in view of accessibility, rental strategies, and different contemplations. Tenants can likewise convey applicable messages to occupants to successfully affirm or decline appointments.

4. Dashboard Management:

- Description: Providers approach a dashboard where they can see every one of their properties, past affirmed appointments, and current forthcoming booking subtleties.
- Elaboration: The dashboard fills in as a unified stage for land owners to effectively deal with their postings and appointments. It gives important experiences into property execution, booking movement, and income age, empowering informed direction and compelling property the executives.

By integrating these elements and functionalities, the Supplier module smooths out the most common way of posting properties and overseeing appointments for land owners. It offers apparatuses and assets to boost property perceivability, smooth out booking the executives, and advance rental tasks inside the Unibites platform.

c.)Admin Module

The Admin module in Unibites engages executives with exhaustive command over the stage. Administrators have the power to make new administrator accounts, access ongoing data in regards to client jobs and exercises, oversee client profiles, appointments, and requests, guaranteeing smooth activity and upkeep of the application.

1. Admin Record Creation:

- Description: Administrators can make new administrator accounts by giving email addresses and administrator keys.
- Elaboration: This component permits the stage to oblige numerous heads, each with explicit obligations and access levels. Administrators can make new records on a case by case basis, guaranteeing proficient administration and designation of regulatory undertakings.

2. User role management:

- Description: Administrators can get to the present status of all client jobs inside the application.
- Elaboration: Administrators have perceivability into client jobs, including users and suppliers. They can screen client action, audit profiles, and oversee client accounts as important to keep up with stage trustworthiness and client fulfillment.

3. User Profile Management:

- Description: Administrators can see user and tenants profiles and make moves like erasure whenever required.
- Elaboration: This usefulness empowers administrators to regulate client profiles and guarantee consistency with stage strategies and guidelines. Administrators can survey profiles for exactness, fulfillment, and adherence to local area rules, making suitable moves to address any infringement or issues.

4. Booking Management:

- Description: Administrators can screen the situation with all appointments and have the power to eliminate any reserving if fundamental.
- Elaboration: Administrators approach continuous data in regards to booking action, including booking status, installment status, and property accessibility. They can mediate and determine any questions or issues connected with appointments, guaranteeing fair and straightforward exchanges for all gatherings included.

5. Inquiry Management:

- Description: Administrators can see and deal with all requests got through the landing page's reach us area.
- Elaboration: This element empowers administrators to remain informed about client requests and answer immediately to client questions, criticism, and concerns. Administrators can audit, focus on, and address requests really, upgrading client fulfillment and commitment with the stage.

By integrating these highlights and functionalities, the Administrator module enables chairmen with the instruments and assets expected to supervise stage tasks, oversee client movement, and keep a safe and easy to use climate inside Unibites. Administrators assume a significant part in guaranteeing stage respectability, settling issues, and encouraging positive client encounters for users, tenants and different partners.

XI. Future Work

- Upgraded Search and Filtering: Execute progressed search and sifting choices to permit users to refine their indexed lists in light of extra rules, for example, room size, pet-kind disposition, or explicit conveniences.
- Customized Suggestions: Present customized suggestion highlights in light of client inclinations, past appointments, and perusing history to upgrade user commitment and fulfillment.
- Incorporation with Outer Services: Investigate coordination with outer administrations, for example, transportation booking stages, nearby occasion schedules, or neighborhood advisers for furnishing users with thorough data and help during their visit.
- Mobile Application Development: Develop a native mobile applications for iOS and Android stages to give users a consistent and improved insight on cell phones, including disconnected admittance and message pop-ups.
- Worldwide Expansion: Extend the inclusion of Unibites to incorporate extra nations and locales, taking care of a more extensive crowd of worldwide understudies, experts, and voyagers looking for facilities.
- Openness and Inclusivity: Guarantee openness, consistency and inclusivity highlights to oblige users with handicaps and various necessities, including screen perusers, elective text, and console route support.

By focusing in on these areas for future turn of events and upgrade, Unibites can additionally set its situation as a main stage for finding and booking facilities, furnishing users with a predominant and custom-made insight.

XII. CONCLUSION

Web application shortens the hole between the client and the hosts. This coordinates essential conveniences for the clients particularly the understudies in a single stage. It further expands the element of publicizing the hosts' convenience offices over the site application. With everything taken into account this application will end up being a help for every one of the understudies by furnishing them with a versatile across the board application.

None of the applications in the current framework support such an easy to use environment where all the three highlights are converted into one coordinated stage. There are numerous convincing elements in the site which proposes there can be further turn of events and a standpoint can be made for business viewpoint utilizing different facilitating stages. The incorporation of cloud administrations makes it even more exceptional. The joining of these stages can create an unobtrusive climate where a client can provide less information and furthermore save time. The proof that the site utilizes the situating framework can act as a device which will be filling in as a shelter for the site in the design.

The versatile and the simple methodology of the site will prompt the future improvement of the site. This site comes full circle every one of the everyday issues which can be taken up as a thought for business insight. Over the long haul this site can act as a potential business supplement. Since the correspondence between the client and the host is subjunctive and exceptionally completely open this might prompt information transparency. This application not just serves the issues yet additionally cares for the decisions or inclinations of the clients involving this application in another area. From the administrative perspective it is appropriately said "Time is Cash".

XIV. REFERENCES :

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