

Cave Meal

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ABSTRACT

Cave Meal is an end user support and android application consultation service. Here we propose a system that provides users with good quality home - made food and spacious rooms for their accommodation. To provide better client relationship management for these service providers. This system aims to build an environment where various users who need these basic service-help can consult service providers, tell them their requirements and discuss expenses. A facility where large quantity of food, different types of accommodations acquiring a huge area which is in minimal rent intended for individual services and consumption are routinely provided. "Cave Meal" provides an entire ecosystem aimed to help users have a quality lifestyle and solve day-to-day survival issues with help of our service-providers. The user can consult various service-providers to fulfil the basic requirements under one platform.

This project examines the aspects of the hospitality industry. In the 21st century the use of the internet, computers and other electronic devices have made handling different jobs and aspects of management very easy.

Keywords: Hospitality, Cave Meal, End User, Ecosystem

I. INTRODUCTION

With the global outbreak of the COVID-19 pandemic in 2020, people have become more aware of the importance of following a healthy lifestyle and incorporating healthy food into their daily lives. Nowadays, a sedentary lifestyle is increasing due to today's jobs, which require people to spend considerable time travelling. In order to reduce this effort people tend to move to places which are close to their workplace or their institutes. When they are new in the city they face a lot of issues while settling

down, the major issue they face is getting home-made good quality food, a safe and secure place to live. In order to save the time and efforts of the user this system is going to design an idea which is going to provide a one-stop solution to these issues mentioned above.

Cave Meal provides an entire ecosystem aimed to help users a quality lifestyle and solve day-to-day survival issues with help of our service-providers. The user can consult various service-providers to fulfil the basic requirements under one platform. This is achieved through the following functionalities:

1. Provide a record of locally available food services and house rentals.
2. Display the details of service providers such as their specialties, kinds of rooms available, etc.
3. Provide complete details (Contact & address) for virtual consultation.
4. Store user details.

The android application keeps a record of available service providers for the user to choose from. The users select a service depending on their requirements and have a consultation. The service provider will customise everything according to the user's instructions.

The android application makes it easy for the users to follow the regime as everything can be done from the comfort of their homes. It also helps the service providers to expand their reach.

1.1 Need of the study

Today, travelling is an essential part of human life whether just for wandering or for work, and finding suitable accommodation is one of the critical factors in making any trip successful. There are several hotels and accommodation options available in different locations. However, it can be challenging to choose the right hotel that meets an individual's preferences and needs. Every traveller needs a safe place to stay and good food to eat wherever they travel. You need to consider these basic aspects when deciding to implement system.

1. **Simplicity:** The system with all the bells and whistles available might seem like the number one choice. However, remember the system should be simple enough to understand that anyone can use it efficiently. The design should be attractive and user-friendly.
2. **Flexibility:** The system must be able to adapt to the characteristics and peculiarities of each user.

II. LITERATURE REVIEW

Sr no	Paper Title / Author	Method	Advantage	Drawback
1.	Home Sharin g / Khond oker Aminu zzama n, Md. Junaye d Miah, Md. Anisur Rahma n, Moha mmad Monir ujjama n Khan	This paper is about open source product known as Home Sharing is a web-based lodging system that will provide homesta y or renting system	Home sharing targets tourism while traveling people want a good place to stay at a lower price. It will help them by lowering the cost of their expenses.	This website is only providing the home stay but it does not provide any other service and the real time data is available only for ba ngladesh.

2.	Food Ordering website/	The main aim of our website “Cooked with Care Using MERN Stack”	Cooked with care provides a platform to the housewives and restaurant owners to sell their good and clean products to targeted audiences.	This website only aims to provide food and not any other service. This website does not have any source to provide accommodation and housekeeping services.
3	ZenDea/Kristina Milovich; Saurabh Shirur; Pratap Kishore Desai; Likhith Manjunath, Wencen Wu	The implementation contains a streamlined swipe-based user interface backed by a user-house recommender system to manage content.	This application makes customized choices of homes as per users need and requirement by directly connecting buyers and sellers for renting and purchasing domains.	People who have low budgets while renting a house are not focused on this application. Comparatively expensive than any other website

III. PROPOSED SYSTEM

1. This system satisfies users' basic needs by providing solutions to every problem mentioned in the problem statements.
2. This system targets the students who moved out of their cities for education. They only need good services at lower cost, so that it would be convenient for them.
3. Another targeted audience is working professionals. All they need is quality of accommodation, if the place is good, internet connectivity of the room should be proper and should be a peaceful environment.
4. They need rooms in the main city area where all the required things are close to them like hospitals, daily Needs shops, and markets.

IV. ACCESSING OF THIS SYSTEM

1. If you are a new user you can create an account and if you already have the account you can log in the page.
2. This is very user friendly and anyone can access it.
3. You can directly Log in using Google.
4. The username, password and all the related information is saved in our database with security.

V. CHAPTERS

A I. Login:

The login page is the page that appears after the splash page. This page is used to log into the application and begin exploring and filling out the user profile details.

II Registration

This page relates to the login page if the user has not logged in yet they can register themselves before login into the application. Registration is required for every user to become a permanent member and to use the application from anywhere.

B. Food

1. People who stay away from their home miss the taste of home-made food. They face a lot of struggle while finding their meal. It is not possible to eat fast-food daily. It will affect their health, they are unable to find healthy, hygienic and good-quality food at minimal rates.
2. We are going to provide the service form the people who are willing to give them home-made, healthy food at a very minimal cost .
3. If the user wants, we have an option to deliver the food at the user's door-step, so that they can have food at the comfort of their place.
4. We have specific options of the different menu according to users taste and requirements, it is totally customizable, all the instructions of the user are going to be followed by service providers.
5. If the user wants they can come and take the food with them, if they wish they can have food in the mess sitting itself.
6. We have different combinations of service packages available. If a user wishes to take three times a meal from the service provider we will give them different discount coupons according to the package selected. Users can take advantage of the coupons available.

C. Accommodations

1. When you are new in the city it is very difficult to find a safe and secure place to live. We are going to provide the list of people who are the owners of the house and willing to give the houses on rent.
2. We have different options available like 1BHK, 2BHK, 3BHK of homes available, if the user is a student we are going to provide them the paying-guest kind of homes where they can share the rent with the people living there or with their friends as per the requirements.
3. Sometimes, people are paying high rents and still they are not living standard life. We are going to provide the rooms in the area which is near to their work location or their colleges.

4. We are going to provide homes which have all the necessary facilities; it is in the main city area. They will have a market, hospitals are near to the home, wifi and network connectivity is going to be proper. We are trying to provide an environment which is suitable for work as well as for studies.

V. APPLICATIONS

This android application has an authenticated log in system. We can make a secure Log-In and after successful Log-In we will redirect to the home page of our website and access each and every feature in a very user-friendly way

1. The credentials are stored in our data-base i.e. (Firebase) it will manage the data in a more efficient way.
2. The application contains a Contact-us page in which we have all necessary information i.e (Phone - numbers, E-mails) required to contact us, we will be making a survey form in which the user registered itself and put the information of their requirement.

VI. FUTURE SCOPE

1. It is focused for particular city, this can be widely expanded including more cities and states.
2. Vehicle services could be provided for travelling purpose.
3. It is mainly focused for working professionals and bachelors it could be expanded by merging real estate.

VII. CONCLUSION

Having a balanced and a quality lifestyle has become very essential in the present generation especially to the one who stays away from their native place , we need to provide them all the services in one platform , we aim to provide all the necessary requirements that will helps them to lead a happy and comfortable life-style with less risks of getting exhausted .Students and

working professionals are more prone to lack a stable lifestyle because of hectic working hours , routine travel , migration , work pressure, stress and lack of awareness .

To curb these issues, this project is designed to simplify the task of maintaining the lifestyle by providing various kinds of services especially to the targeted audience and to any person who wishes to be our client. It aims to provide efficient services (FOOD and ROOMS) at a minimal cost and it will provide a customizable approach.

The project is developed in Android with all the basic functionalities.

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