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# Web Based Mess Management System Using Cloud

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**ABSTRACT:** Recommendation Systems are the type of information filtering systems designed to help users to find their way through today's large information spaces. The goal of a Recommendation System is to generate recommendations to users. This will be helpful for giving recommendations to information seeker. Analyzing Recommendation of School for Users. The objective of this project is to develop an web based application which will help users to find best, nearest and affordable primary and secondary school. Now a days in this current running world people do not have time to visit every school personally and collect all the information regarding school admission process. Parent are expecting to be get an whole information at one place, so that they can get required information about best school. There are so many resources are available on internet regarding college information but not for school so we are proposing this system which will help the user to find out their affordable school.

## I. INTRODUCTION

Android based system to develop online mess ordering system which will identify and locate nearby mess and order mess food services via online. By using GPS service, user's location is detected which then is used to show nearby mess service providers which have registered this application, by which user can easily be aware of the mess service providers prior to its location and user can select required mess based on user's requirements to order food. Users can search for different varieties of mess providers and system is able to sort them according to their price, ratings or type of service with in their range at any place. A user based mess review system is included to validate and encourage good services among mess. It can likewise be valuable for educating mess service providers to engage in digital way of communication. Our system also allows the user to order the mess service based on weekly, monthly or quarterly basis. This thought would accomplish great outcomes.

Each hostel, school or office has a mess hall for providing food to its members. The main aim behind this project is to get the current status of mess & meals per day, to manage details regarding the stocks of vegetables, groceries and purchasing based on daily fluctuating rates. The software also provides the costing and monthly calculations of each item used. The software has five stores in which the entire stock is maintained. Each store contains a particular set of items like items which are required daily, miscellaneous items, vegetables, grains etc. In the Idea behind project is to solve problem of people which they are facing when they shift to different city. The system is not only for user but also for provider who provides food service. This system is for making efficient communication between consumer and producer of the food system which will then leads to the ideal and effective system. There are many system developed on restaurant management so to take an idea about all process we reviewed various papers on restaurant management, various algorithms and various android application which are in market. The project online mess management system is a web based application that allows the administrator to handle all the activities online quickly and safely. Using Interactive GUI anyone can quickly learn to use the complete system. Various items are available to the customers. They can select the desired items for their breakfast, lunch and dinner at a reasonable price. The food can be delivered to their residence. They can pay on the daily or monthly basis. We make use of fresh vegetables, fresh wheat, rice etc. The food is prepared under the guidance of professional cooks to maintain the hygiene and taste. The customer can choose the menu of their own choice so, we have generated a system that will provide meals to the customers, i.e. the

breakfast, lunch and the dinner as well. The Tiffin will be delivered at their residence at the time given by the customers.

## II. RELATED WORK

In [1] an automated food ordering system is proposed which will keep track of user orders smartly. Basically, they implemented a food ordering system for different type of restaurants in which user will make order or make custom food by one click only. By means of android application for Tablet PCs this system was implemented. The front end was developed using JAVA, Android and at the backend MySQL database was used.

In [2] Customer using a Smartphone is considered as a basic assumption for the system. When the customer approach to the restaurant, the saved order can be confirmed by touching the Smartphone. The list of selected preordered items shall be shown on the kitchen screen, and when confirmed, order slip shall be printed for further order processing. The solution provides easy and convenient way to select pre-order transaction form customers.

In [3] there was an attempt to design and implementation of digital dining in restaurants using android technology. This system was a basic dynamic database utility system which fetches all information from a centralized database. Efficiency and accuracy of restaurants as well as human errors were improved by this user-friendly application. Earlier drawbacks of automated food ordering systems were overcome by this system and it requires a onetime investment for gadgets. In [4] an application of integration of hotel management systems by web services technology is presented. Ordering System Kitchen Order Ticket (KOT), Billing System, Customer Relationship Management system (CRM) are held together by the Digital Hotel Management. Add or expand of hotel software system in any size of hotel chains environment was possible with this solution.

In [5] research work aims to design and develop a wireless food ordering system in the restaurant. Technical operations of Wireless Ordering System (WOS) including systems architecture, function, limitations and recommendations were presented in this system. It was believed that with the increasing use of handheld device such as PDAs in restaurants, pervasive application will become an important tool for restaurants to improve the management aspect by minimizing human errors and by providing higher quality customer service.

## II. PROPOSED SYSTEM

This system will be useful to any school/college hostel or in general to any institute maintaining a mess. This software will also enable Stock purchasing based on daily fluctuating rates. It will help to lessen the work-load of mess managers, reduce manpower, thus reducing the capital being invested.

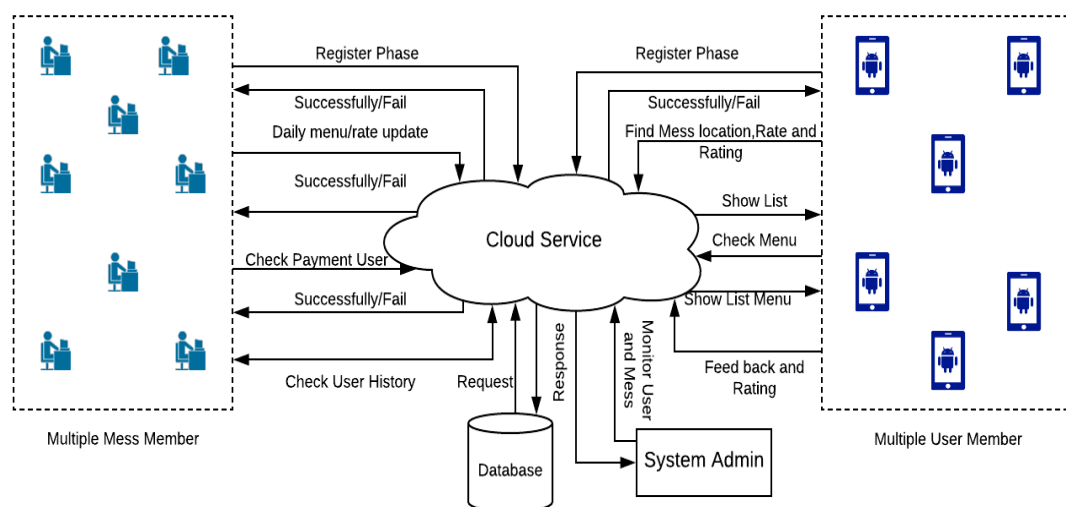


Figure1 : System Architecture

### Modules 1: Admin Modules

In this module admin first register the multiple mess, all the profile information received to admin from business owners. Admin first check the all information is valid or not and creates the valid and unique credential for each business owner.

### Module 2 : Mess Owner Module

Once admin generates the access credentials for particular business / Mess owner then he can login to system using those credentials. The mess owner having own dashboard where they can update the current menu sheet with costing details as well as availability of menu's.

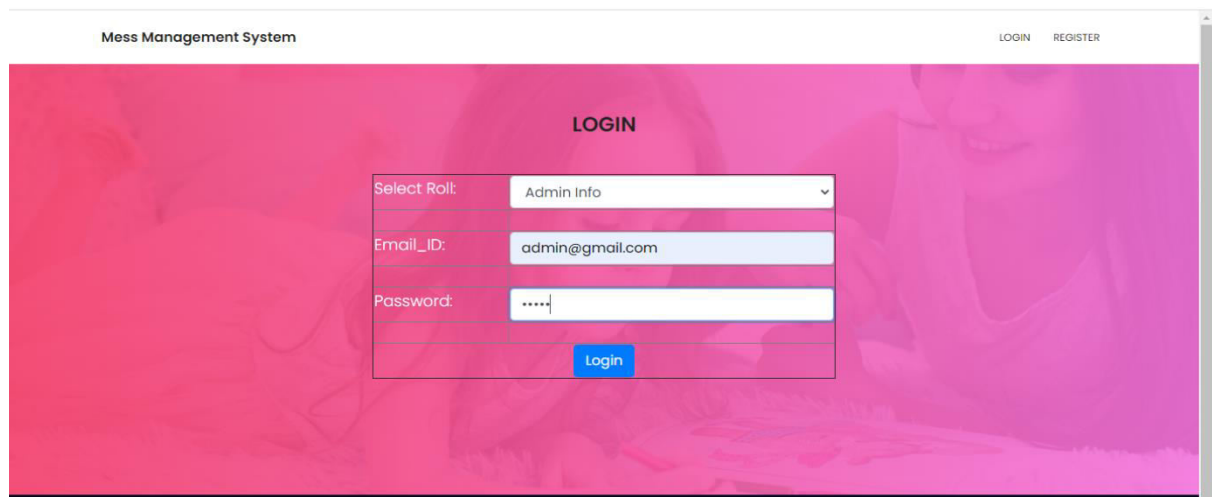
### Module 3 : User Module

The user modules does not have any system dependency, here system assume the all kind of requirements from users. System first takes the input query from end user and show the availability in radius 3Km, 5Km and 10 Km respectively. The user can generate the multiple choice queries based on the available options.

### Module 4 : Analysis Module

This modules provide the system efficiency as well as system accuracy, time complexity is also important parameters system will focus here.

## III.RESULTS



Mess Management System LOGIN REGISTER

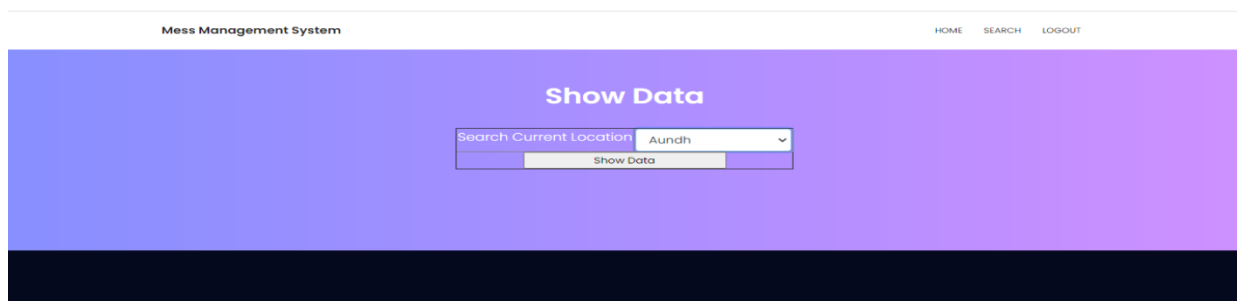
LOGIN

Select Roll: Admin Info

Email\_ID: admin@gmail.com

Password: .....

Login



Mess Management System HOME SEARCH LOGOUT

Show Data

Search Current Location Aundh

Show Data



Mess Management System HOME SEARCH LOGOUT

### Show Menu and Mess Details

|  |  |
|--|--|
| Mess ID:                                     | <input type="text" value="2"/>   |
| User Name:                                   | <input type="text" value="om"/>  |
| Mess Name:                                   | <input type="text" value="om"/>  |
| Location:                                    | <input type="text" value="Amudh"/>   |
| Breakfast:                                   | <input type="text" value="Idli"/>  |
| Lunch:                                       | <input type="text" value="Patta_Gobbi,Chole,2(Roti),Pulao,Achar,Plain_Papad"/>   |
| Dinner:                                      | <input type="text" value="Baingan_Bharta,Mix_Dal,2(Roti),Pulao,Achar,Plain_Papad"/>  |
| Lunch Price:                                 | <input type="text" value="40"/>  |
| Dinner Price:                                | <input type="text" value="50"/>  |
| Feed Back:                                   | <input type="text" value="good"/>  |
| Rating:                                      | <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> |
| <input type="button" value="Save Feedback"/> |  |

Mess Management System LOGIN REGISTER

### LOGIN

|                                      |  |
|--------------------------------------|--|
| Select Roll:                         | <input type="text" value="User Info"/>                 |
| Email_ID:                            | <input type="text" value="hinganebhakti20@gmail.com"/> |
| Password:                            | <input type="password" value="....."/>                 |
| <input type="button" value="Login"/> |  |

Mess Management System HOME ADD MENU SHOW MESS LOGOUT

### Add Mess

|                                     |   |
|-------------------------------------|---|
| Select Breakfast:                   |   |
| Select Breakfast:                   | <input type="text" value="Idli"/>   |
| Select Lunch Sabzi:                 |   |
| Select Sabzi:                       | <input type="text" value="Tamater Aloo"/>   |
| Select Sabzi:                       | <input type="text" value="Palak Paneer"/>   |
| Select Dinner Sabzi:                |   |
| Select Sabzi:                       | <input type="text" value="Mutter Paneer"/>  |
| Select Sabzi:                       | <input type="text" value="Mix Dal"/>  |
| Select Roti:                        | <input checked="" type="checkbox"/> 2(Roti) <input type="checkbox"/> 3(Roti)      |
| Select Rice:                        |   |
| Select Rice:                        | <input type="text" value="Dal Rice"/>   |
| Select Achar:                       | <input checked="" type="checkbox"/> Yes(Achar) <input type="checkbox"/> No(Achar) |
| Select Papad:                       | <input type="text" value="Masala Papad"/>   |
| Lunch Price:                        | <input type="text" value="100"/>  |
| Dinner Price:                       | <input type="text" value="100"/>  |
| <input type="button" value="Save"/> |   |

Activate Windows  
Go to PC settings to activate

Mess Management System HOME ADD MESS SHOW MESS LOGOUT

### Add Mess

|                                     |  |
|-------------------------------------|--|
| User Name:                          | <input type="text" value="abc"/>                                   |
| Address:                            | <input type="text" value="Baner"/>                                 |
| Gender:                             | <input checked="" type="radio"/> Male <input type="radio"/> Female |
| Email:                              | <input type="text" value="abcd@gmail.com"/>                        |
| Contact No:                         | <input type="text" value="888888888"/>                             |
| Password:                           | <input type="password" value="....."/>                             |
| Mess Name:                          | <input type="text" value="abcd"/>                                  |
| <input type="button" value="Save"/> |  |

Activate Windows  
Go to PC settings to activate

#### IV.CONCLUSION AND FUTURE WORK

Therefore, conclusion of the proposed system is based on user’s need and is user centered. The system is developed in considering all issues related to all user which are included in this system. Wide range of people can use this if they know how to operate android smart phone. Various issues related to Mess/Tiffin Service will be solved by providing them a full fledged system. Thus, implementation of Online Food Ordering system is done to help and solve one of the important problems of people. Based on the result of this research, it can be concluded: It helps customer in making



order easily; It gives information needed in making order to customer. The Food website application made for mess and mess can help mess and mess in receiving orders and modifying its data and it is also made for admin so that it helps admin in controlling all the Food system. Thus, an automated food ordering system is presented with features of feedback and wireless communication. The proposed system would attract customers and adds to the efficiency of maintaining the restaurant and mess ordering and billing sections. Scope of the proposed system is justifiable because in large amount peoples are shifting to different cities so wide range of people can make a use of proposed system.

#### Future Work

In the future, the system will support internationalization. At least, Hindi and English language environment will be provided, customers that come from different countries can order dishes in their own language. On the Website Foreground Public Page, a Query Dish Function should to be provided. With the number of dishes increasing, customers can search some dish and view related information quickly by using this function.

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