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Super Meals: An Online Tiffin Delivery Platform

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Abstract: Supermeals is an order management software for food delivery companies. It is a delivery-oriented system that allows clients to order from multiple household messes at the same time and provides the possibility to order individually or in a group. Orders can be placed by users through the web interface. The data related to Messes, foods and orders is managed by administrators. A mobile application is used by the delivery personnel as well as messes. Both client applications are served with data by a central server. The article presents an architecture and the implementation of the software system. The technologies, tools used during the development are as follows.

Keywords: Mess Searching, Mess Subscription, Job Opportunity, Tiffin Delivery.

I. INTRODUCTION

The project named "Supermeals" is developed using PHP programming language. The main aim of this project is to develop an online website which will be able to provide fine quality meal in user's affordable prices. The Admin is a superuser of the project. The user information and meal provider's record store in MySQL Database. The proposed website will also reduce inconvenience or we can say trouble of every newcomer who comes to new cities to perceive their work. The purpose is to design a website which contains up to date information of every meal provider and needy respectively to the convenient location and reasonable price.

II. MAIN MODULES OF THE SYSTEM

1.Online Mess Searching
2.Online Mess Booking
3. Tiffin Delivery
4.Job Opportunity

III. TECHNOLOGY USED

1. PHP
2. Java/JS
3. HTML/CSS/SCSS
4. Bootstrap
5. Android
6. MY SQL Database

IV. PURPOSE

The purpose is to provide home-made food and affordable tiffin services to the freshers or non-localites of the city.

V. ARCHITECTURE OF THE SYSTEM

A. User characteristics:
•User subscribes to a plan according to his/her needs.
•Admin receives the data and acknowledges their services to proceed the order accordingly.

B. External Interface Requirements
• User Interfaces: The web application will work on any web browser (Google chrome, opera etc).
• Hardware Interfaces: Android mobile phone with minimum 2 GB of RAM and having better processing power to execute and run the application smoothly on android.
•Software Interfaces: Windows operating system.

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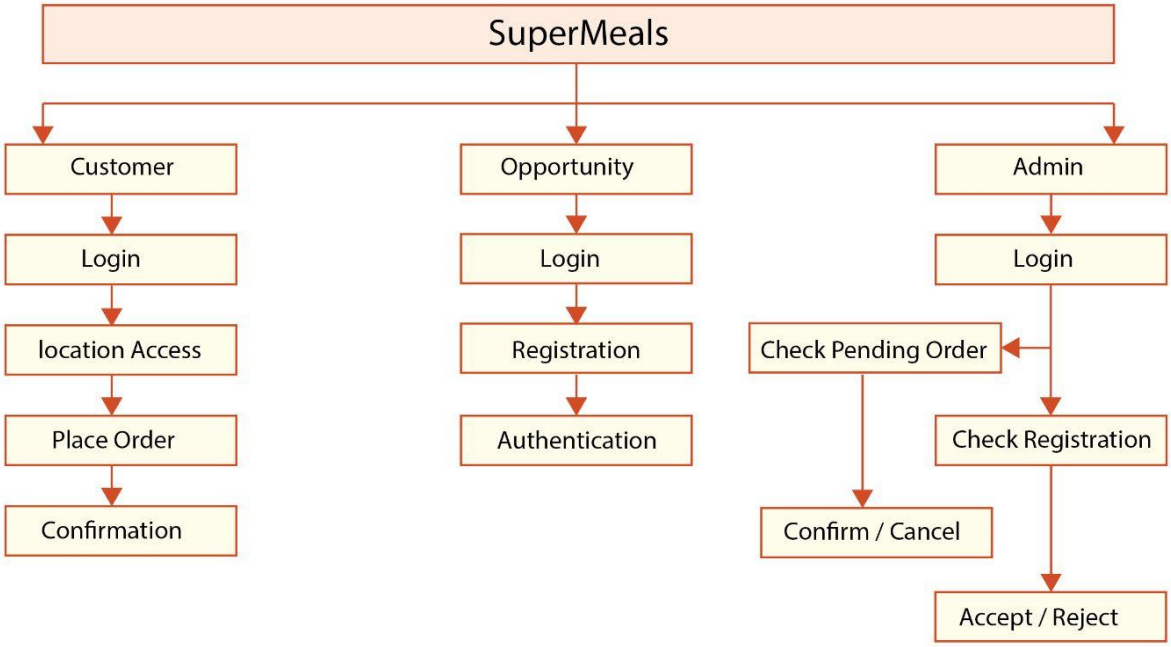
C. General constraints

• Delay in data transfer due to heavy traffic on the server may be one of the issues.
• There needs to be a constant internet connection for this system to work.
• Availability of delivery partners.

D. Modular Design Diagram:



VI. PROPOSED WORK

Supermeals is a web application that works to reduce the time and help the newcomers to get all the possible help and source to get fresh meals. The application works on any platform which supports web browsers and has GPS support. The web application consists of login in the Home page for users. The workflow of the web application is when customers login with their credentials it will be redirected to the main screen where all updated nearby tiffin services and plans will show on their screen using the current location. When a user selects and subscribes to any particular plan. The app sends requests automatically to the server. The tiffin service or mess whose plan was subscribed by the user gets notified immediately. Then the person sitting in server side i.e. owner will approve and confirm the order/plan and send an acknowledgment to the user for a successful request. Server login also contains information after accepting the request from a customer it will automatically redirect to their record list. After checking the date and day of the user's choice. The tiffin service provider will follow up and execute order till it expires. The Main objectives of this project are:-

● To Provide the online platform for new comers and jobbers.
● To provide healthy and homemade food for users.
● Reduce inconvenience of people who come to new cities.
● Provide food on contract basis which will save 10 to 15 minutes of time daily.
● To Provide Quality and less spicy food for Students on a daily basis.
● To Provide jobs for Housewives and needy people.
● To uplift the business of ground people and to increase their income.

VII. PREVIOUS SYSTEM

Previously the mess was not available on the online servers for which we have to go outside to find the best one.

● For finding the best mess we have to ask people or friends which one is best. But online it's too easy by knowing the reviews of that particular mess.
● Previously the mess owner used the pamphlets but online there is no need for pamphlets because people can easily reach there by using our application.
● If anyone wants a meal for only one day or one week then it's also available.

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● Our system is more helpful for those people who go outside the city for a few days and who do not like to eat junk food or any other foods but like to eat homemade meals.

VIII. FLOW CHART

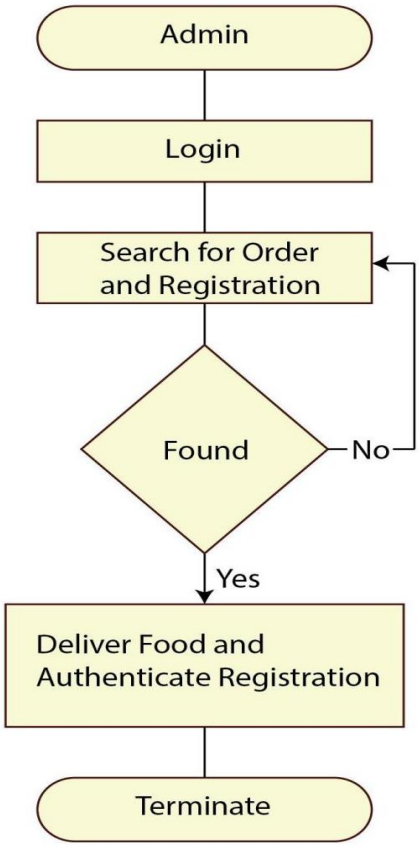

Fig: flow chart of Admin

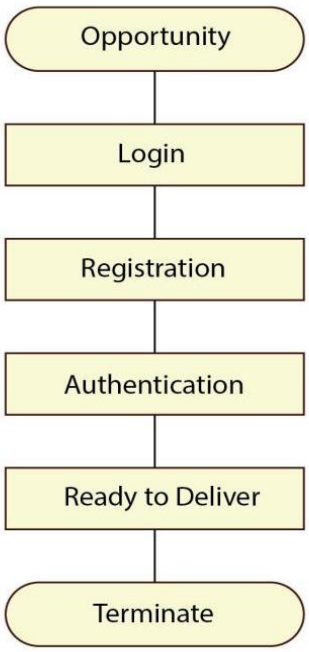

Fig: Flow chart of Opportunity Section

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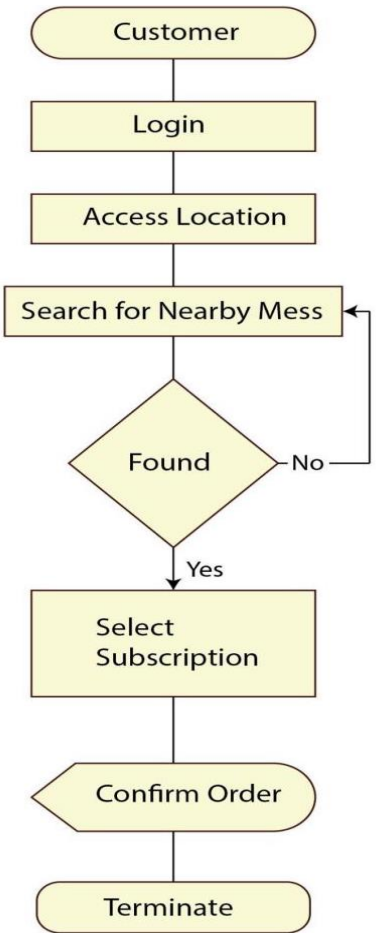

Fig: Flowchart for customer login

IX. HARDWARE/SOFTWARE REQUIREMENT

1. Any Editor (Notepad, Notepad++, Netbeans etc)
2. XAMPP
3. Laptop/desktop
4. Windows 7.0 or later
5. Android 7.0 or later
6. Internet Connection with minimum 500 KB/s.

X. ADVANTAGES

1. Online slot reservation
2. Filters for affordable budget
3. Digital menu card
4. Location based deals
5. Loyalty programs
6. Live tracking
7. Order cancellation
8. Online special offers
9. Online reviews and ratings
10. Online means you can use it anywhere

XI. DISADVANTAGES

1. Because of Network Traffic, sometimes the website may crash.
2. Personal information may be stolen by Admins.

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3. May not get our type of taste just by reading reviews.
4. Without network connection, it is useless.

XII. FUTURE SCOPE

- Live Location
- iOS Application.
- Providing the facility of online payment for the client.

XIII. CONCLUSION

The project entitled as meal providing service is the system that deals with the issues related to any particular individual who is new in any particular environment. This project is successfully implemented with all the features mentioned in system requirements specification. Awareness and right information about any system is essential for both the development of users as well as service providers. So this serves the right purpose in achieving the desired requirements of both the communities.

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