Automatic Order taking Smart System

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Abstract— Automatic order taking smart systems are becoming increasingly sophisticated, if you're considering installing a reservation system for your restaurant there are a number of factors to consider when selecting a system and provider. A restaurant reservation and table management system should provide you with the tools to plan and run your restaurant bookings effectively and manage tables, efficient table management means that a restaurant can maximize the potential of their dining room and this in turn should increase profits. Restaurant reservation systems with the option of combining a table management system are increasing in popularity with restaurant operators. With an increasing number of diners now using the web to find details of their favoured dining location having the facility to take booking via their website is an essential tool for a restaurant operator. Some restaurants have seen an increase of as much as 20% in reservation numbers just by offering online booking from their website. And with the addition of a table management system any restaurant will have full visibility and control of their seating at a glance with a full graphical view of their restaurants table status.

Key words: Order taking Smart System

I. INTRODUCTION

Automatic order taking smart systems are becoming increasingly sophisticated, if you're considering installing a reservation system for your restaurant there are a number of factors to consider when selecting a system and provider.

A restaurant reservation and table management system should provide you with the tools to plan and run your restaurant bookings effectively and manage tables, efficient table management means that a restaurant can maximize the potential of their dining room and this in turn should increase profits.

Restaurant reservation systems with the option of combining a table management system are increasing in popularity with restaurant operators. With an increasing number of diners now using the web to find details of their favoured dining location having the facility to take booking via their website is an essential tool for a restaurant operator.

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II. PROPOSED SYSTEM

- We don't need waiting to the waiter for order.
- It is a unique and helpful for the hotels, restaurants at the future

III. MODULE DESCRIPTION/ WORKING
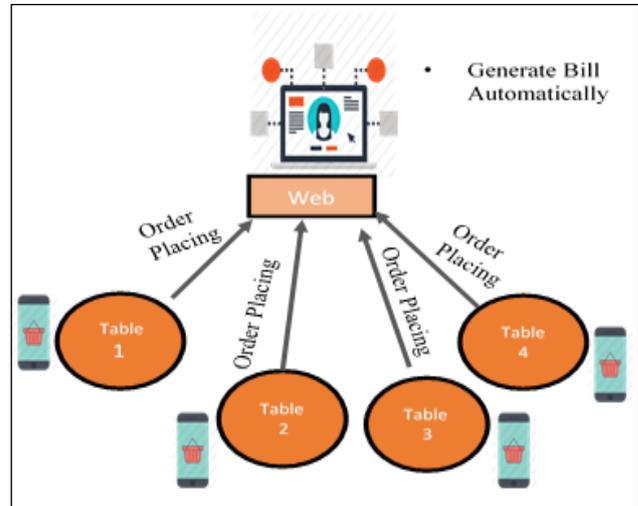
IV. MODULES

In this project there is two modules.

A. Admin Module

This is very common module in every project. The admin panel can handle everything. Following are the work done by admin

1) Admin (or Owner) can manage staff. (CRUD on Staff).
2) Salary Management of Staff.
3) Manage Menus means Adding Menu, Updating Price, Deleting Menus etc.
4) Manage category of food
5) Manage Orders of customer
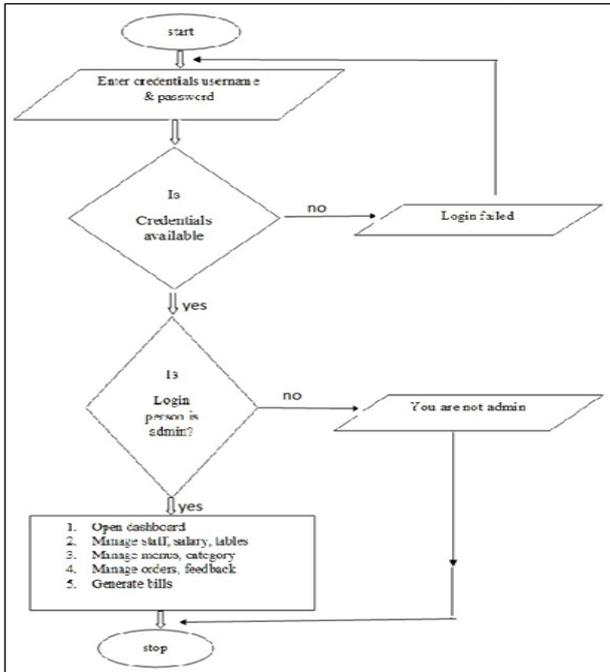6) Manage Customer Feedbacks
7) Manage tables in hotel

B. Customer Modules

This is customer module, it is Android App. These module contains what everything the customer can do. The following are the works done by the customer.
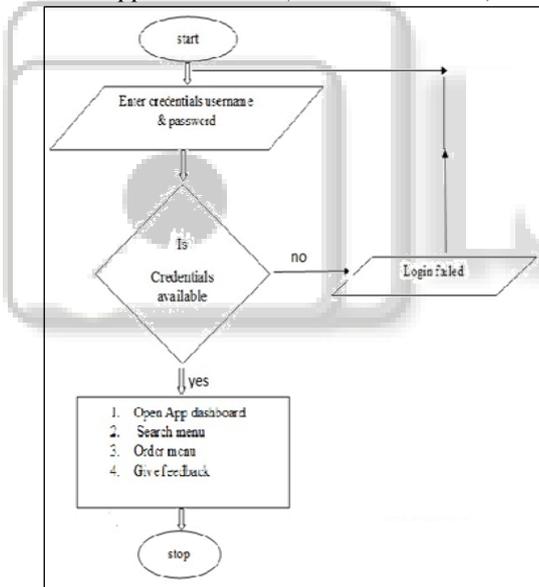
1) Select Menus
2) Placing the Orders
3) Giving Feedback

C. Flowchart

1) Web Application Flow Chart (Admin Module):

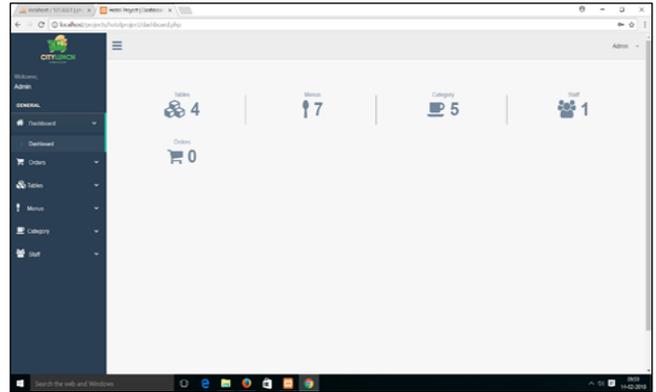*2) Android App Flow Chart (Costumer Module):*

D. Screenshot of the System

1) Admin Login Page:

2) Dashboard of Admin Module:

3) Hotel App Login Page:

4) Welcome to Special Table:

E. Software and Hardware Requirements

1) Hardware Requirements:
1) Processor: Core to Dual or More
2) Hard disk: 2GB or More
3) One Android Mobile (At least Lollipop OS or More)
4) One Data cable

2) Software Requirements:
1) Technology: Web Application (Using PHP) and Mobile App (Using Android)
2) XAMPP Server
3) Android Studio (Version 2.2 or more) with SDK
4) JDK (Java Development Kit)
5) Editor (Notepad++ or Subline Text Editor)
6) PHP 5 or More
7) Database: MySQL (PHP MyAdmin)
8) JSON (Java Script Object Notation)

F. Application
1) PHP
2) Android
3) JSON
4) MySQL(Database)

V. FUTURE SCOPE

1) The future scope of that application is the customer must pay amount through android app. We can use it anywhere in hotel, warehouses where the orders will take.
2) Apart from that future our software can also use for hotels that provide both logging and food facilities, in such case our software would also keep a record of food supplements and recruited staffs in our database.
3) In other words, our software would provide staff management as well all restaurant management. The inclusion of these features would definitely make our software highly demanding and would be a grand in practical field.

VI. CONCLUSION

− It is very handy application and App for all customer as well as owner or admin. By using it they can manage everything very easily.
− We have implemented the automation in that application which will give correction output to maintain the accuracy.

REFERENCE

[1] html, CSS, JQuery black book – cogent solution
[2] PHP & MySQL Web development by Luke Welling & Laura Thompson
[3] Android Programming- The Big Nerd Ranch Guide (3rd Edition)
[4] SQL- the complete reference, 3rd Edition (James R. Groff)
[5] https://www.apachefriends.org/download.html
[6] https://www.developer.android.com/studio/index.html
[7] https://www.oracle.com/technetwork/java/javase/downloads/jdk9-downloads-3848520.html
[8] https://www.sublimetext.com/3https://v4alpha.getbootstrap.com/components/alerts