

## ***Take Eat Easy the Futuristic Dinning: Survey Paper***

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### ***Abstract***

*Now a day's people are much closed to smart phones. Everyone has mobile application for any task to simplify their work. So, we can implement mobile application for restaurant which is help to the restaurant as well as customer to do their work.*

*"Our leading purpose segment will be people from 18-50 years, who are students, entry level executives, pilgrims among others who are looking for dime-store, hygienic and safe reconciliation". This system also overcomes the outdated way of manual food ordering through waiter. As per customer's perspective this process is onerous.*

*In this system we can also manage the whole restaurant activities like ordering food, information of employees, management of ingredients, home delivery, and table pre-booking etc. and store it into database. So, overall it will help to improve the restaurant quality and saving time of customers, waiters, and manager.*

***Keywords:*** *Futuristic Dinning, Smartphone*

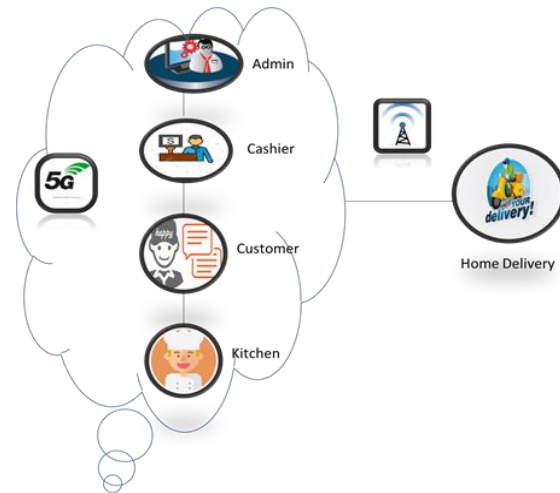
## INTRODUCTION

In most of the restaurants need the waiters for taking an order from customer. It is difficult to manage in busy hours when the lots of customers are present, and then we need more man power. If when the fewer customers are present then it is wastage of human resources. So, we can implement the android application which is help to overcome this problem.

Take Eat Easy the Futuristic Dinning System provides way to order the food using smartphone. The restaurant provides the smart phones or tablet for ordering the food which display the menus with images, price of food. Also customers give the feedback of quality of food which helps to restaurant to improve the quality of services.

This system also manages the employee's details, billing of order, available ingredients. It is allow the customer to order the food and online table booking i.e. home delivery, pre-booking table.

Fig shows the system view of the proposed system. There are five modules namely Customer Module, Admin Module, Kitchen Module and Home Delivery Module, Cashier Module.



*Fig1.1. System view*

The Customer , Admin, Kitchen, Cashier module work in the restaurant environment within a home network using Wi-Fi whereas Home Delivery and Table booking modules work anywhere with proper internet connectivity.

## PROBLEM ANALYSIS

The customary food ordering system is entirely a manual process which involves waiters, pen and paper. The customer has to wait for waiters to give the order. The waiter notes down the orders from customers, give these orders to kitchen department, update them in records and again make the bill. It is very time consuming process. Also we want a food at home then we go to restaurant an take a parcel there is no home delivery process.

## PROPOSED SYSTEM

To dejectet the weak point of customary food ordering system, we propose digital restaurants using smart phones. It is a innovative and dated food ordering system which is based on cellular network and android app.

## LITERATURE SURVEY

The Take Eat Easy System provide interactive user interface for choose the food which customer wants from menus which have images, from smart phones or tablets. The author suggested the digital menu for ordering the food, so we are implemented this in proposed system [1].

Now a days mobile technology is used everywhere. The rapid adoption of smartphones has made it easier for improvement of business and customer satisfaction. The author recommended to cellular technology and Android OS bringing together to automate food ordering process. It allows the real time feedback from customer like comment and like on food status which provides accuracy of restaurant [2].

This system boost the performance of service and quality. This system also

increases fascination of place for large range of customers. Implementing this system grows the glamour of your business. It gives a wielyd experience to customer to order the food, pay the bill and give the feedback .[3].

## SYSTEMARCHITECTURE

In this system, Admin, Cashier and all employees have user id and password for authentication. Employees are login into the system using smart phones and this smart phone is provided to the customer. Customer can place order and cancel order using that smart phone. Generated bill is display on to the screen. Customer can paid bill to the cashier by cash.

Architecture of Take Eat Easy The Futuristic Dining System consists of different modules.

### 1) Admin Module

Admin module is a Desktop based application. Admin manages following activities

- Keep employee information.
- View customer feedback.
- View statistical report.
- Add/delete/Modify menu.

## 2) Customer Module

The customer module is an android application that fully satisfies the end user's needs, and does it quickly and effectively. With the help of this module the customer can order the meal.

- Place an order.
- Cancellation of food.
- Pay bill through cash.
- Give feedback.
- View feedback

- Allergic ingredients field.

## 3) Kitchen Module:

Kitchen module is a graphical user interface which would be used by the chef. This module will display the food item to be prepared by the chef.

- Notify to customer.
- Checking availability of food and send report to admin.
- Disable menu if ingredients are not available

Features provided to customer

- Multiple languages.
- Nutrition information.
- Self-service.

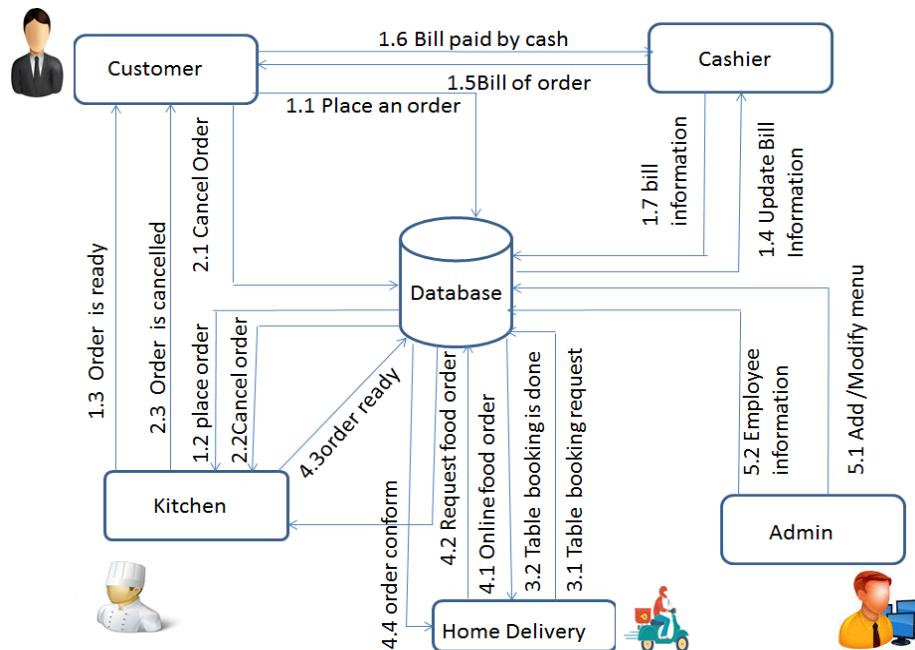


Fig5.1. System Architecture

#### **4) Home Delivery and Pre Table booking**

In Home delivery and Table Reservation module, the customer can order the food from anywhere through internet connectivity. This is a web application as well as the customers can also book a table in advance before coming for dinner or lunch.

- Place an order.
- Pay the bill through cash.
- Book a table.

#### **5) Cashier Module**

In cashier module, the cashier simply collects the bill and updates the payment information into database.

- Collect bill.
- Update bill information into database.

#### **CONCLUSION**

In “Take Eat Easy The Futuristic Dining” system, we are presented a smart app for restaurant using smart phones and wireless technology. The aim of the system is remove the orthodox process of food ordering. The customer’s feedback will

helps to the restaurant owner to improve the quality of their food as well as service.

#### **FUTURE SCOPE**

In future, this system takes the order from the customer and lets him pay the bill without any human intervention. This system can be extended for parking management, lodge management. The ordering system can also be made to be speech recognize ordering system.

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