REVIEW ON ANDROID APPLICATION FOR FOOD AND TIFFIN ORDERING SYSTEM

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Abstract : The existence of current food ordering systems and the emergence of mobile devices enable a simple yet powerful infrastructure for business application. Some early efforts have been made to utilize both technologies in food ordering system implementations. However, the food ordering systems that have been proposed earlier exhibit limitations, primarily in cost effectiveness, allowing customizations, deliverables, real time location tracking and supporting feedback to customers. In this paper, we discuss the design and implementation of a customizable food ordering system with real-time location tracking for a restaurant. The application enables restaurant owners to setup the system and update menu presentations easily. Smart phone has been integrated to facilitate real-time communication between restaurant owners and customers. It will provide a more secure ordering. The purpose of online food and Tiffin ordering application is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Basically the project describes how to manage for good performance and better services for the clients.

IndexTerms **- Secured ordering, customized order, location tracking, feedback, food ordering system.**

I. INTRODUCTION

The "Smart Android App for food and Tiffin Ordering" is designed to override the problems prevailing in the practicing manual system. This software is supported to Eliminate and in some cases it reduces the hardship faced by this existing system. The smart android app for food and Tiffin ordering is the Android Application for customized Tiffin and food ordering. User will be able to get delivery on his current location by GPS features. Delivery tracking, food making process indication, share remaining food, rewards and many more features are there in smart android application. No formal knowledge is needed for the user to use this system. Thus, by this application it will become more user-friendly. Online food and Tiffin ordering application, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Food ordering is the application for ordering food from a local restaurant through internet. A customer will search for favorite restaurant, usually filtered via type of cuisine and choose from available items, and choose delivery and pick up. This food Ordering system intends different types of forms with different food varieties provides to user to buy online. Online Food Ordering System Users can give order from any place and pay cash on delivery. The System deals with ordering, processing and delivering food products. Ordering is done by a valid customer with appropriate identity. The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

II. OBJECTIVE

The main objective of the project is to develop a system that will surely satisfy the customer service. This system is also able to accommodate huge amount of orders at a time and also to compute the bill automatically.

III. EXISTING SYSTEM

In existing system for giving any orders user should visit Hotels or Restaurants to know about food items and then give orders and pay advance or you need to select menu and place order on call. In this method time and manual work is required. Maintaining critical information in the files and manuals is full of risk and tedious process. In most of the current applications tracking of delivery is not available. By using current application, we can't give the mass orders to particular restaurant. Customization of Order, Current status of an order is not available to the customer. In the current application they do not specify and mention the famous dishes of a particular restaurant. In a party or a big function like marriage the quantity of the leftover food is so more that it gets wasted so rather than throwing it they can contact the nearby NGO's through the new application and the food can be gives to the needy ones. Some systems contain outdated database that is Restaurant is closed, yet it shows on the application.[4]

IV. PROBLEM STATEMENT

This online application enables the end users to register online, select the food from the e-menu card, read the E-menu card and order food online. By just selecting the food that the user wants to have. The results after selecting the food from the E-menu card will directly appear in the screen near the Chef who is going to cook the food for you. This application also allows customers to customize food orders. By using this application the work of the Waiter is reduced and we can also say that the work is nullified. The benefit of this is that if there is rush in the Restaurant then there will be chances that the waiters will be unavailable and the users can directly order the food to the chef online by using this application. The user will be given a username and a password to login.[3]

V. PROPOSED SYSTEM

The application is an online food ordering system which consists of GPS option where the application user can select the option to see the restaurants nearby his vicinity. This android application enables the end users to register on application, select the food from menu card and order food by android app. User will receive confirmation call, by selecting and ordering the food they want to have. The results after selecting food from menu card will directly appear in web application part on system of manager.[1][2]

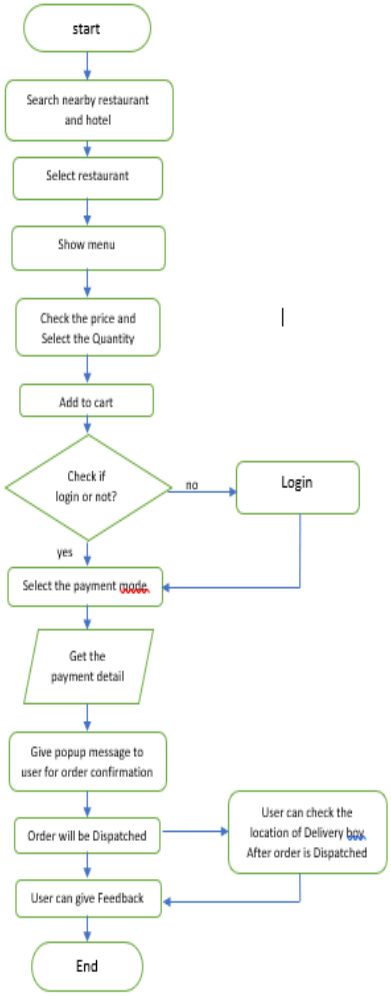

Fig .1. Flowgraph

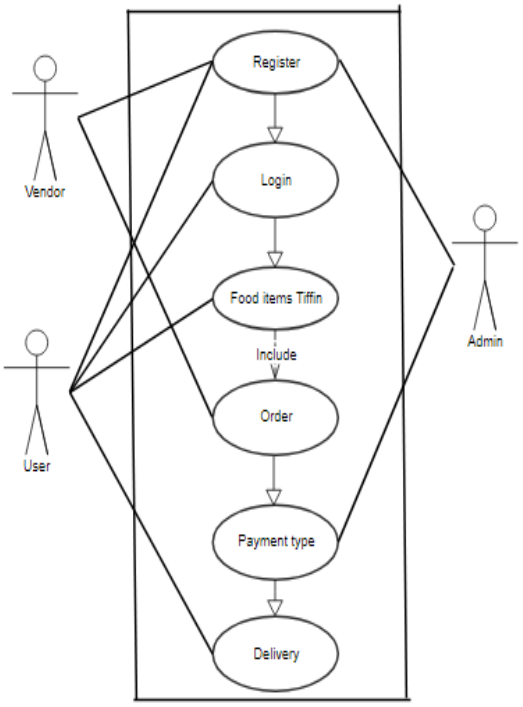

Fig. 2 Interaction Diagram

VI. ANDROID SOFTWARE DEVELOPMENT

It is a method by which new applications are created for the Android operating system which is mostly used in today's generation. Android applications are usually developed in the Java programming language. The Android software development kit include a debugger, libraries, a handset emulator based on documentation, sample code, and tutorials. Currently supported development platforms include computers running Linux, Mac OS X , Windows XP or later. Android is a Linux-based operating system primarily designed for mobile devices such as smartphones and tablet computers utilizing ARM processors. A secondary target for android are also the embedded systems such as networking components, television systems which include set top boxes and built in systems and various devices as house hold appliances.[6]

VII. CONCLUSION

In this application, we have planned for the automated food ordering system for the restaurant. The system is compared to earlier food ordering traditional methods such as traditional pen and paper methods etc. We have deliberated advantages of the proposed system over those earlier methods. We are going to create application in focus of future food ordering systems, this application will be helpful to many people. Also, we will implement some modules for user feedback, we also provide post query if user receives the wrong order, if the order is being delayed and if the quality of food is not proper. The future ability to order meals for delivery from local restaurants would make a wider range of choices available to customer.[5]

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