Food Enquiry System

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Abstract- *The increase in the use of smartphones has given rise to a variety of mobile apps for a large number of reasons. Online ordering of food has seen a significant increase in urban areas. The entry of software in food delivery through mobile apps business is proving to be a profitable one. For similar reasons, the present study aims to identify and analyse the factors influencing the intentions of the customers to use mobile apps for food. On analysing every person's problem what we get to know is when the food ordering is on one side, on the other side the problem is students or employees studying or working in institutes or companies, they cannot order food online. So they move to food courts available in their areas. When the food they need is not available, they get disappointed, this causes waste of time and energy. The opinion regarding the same is collected from many customers using mobile apps for getting the info of availability of foods. A structured questionnaire is used to collect the responses using a convenience sampling method in the college area. We are going to develop this application using python. So we can now get the info of foods and their availability through this project. Generally online food delivering apps don't contain all the restaurants and all the foods. This app helps to make profit for such kinds of restaurants. So that all the restaurants with delicious and good quality foods will be in profit.*

Keywords- Signing up, add items, get items

I. INTRODUCTION

When we move to some food courts and order some food we will satisfactorily eat it. But the problem comes when the food we need is not available, we get disappointed. This problem mainly occurs in college food courts or some office food courts. Causes time loss and energy loss. With this software there will be no problem regarding info on food availability. So from now to avoid this problem we have come up with this application. The problem which we are going to solve is the food domain. We are going to develop this project using python language, which makes the code easier and supports memory efficiency.

This is a Object-oriented and structured programming language and are fully supported. Many other paradigms are supported through extensions, In Lisp tradition Python's design offers some support for functional programming.

For python frame working we use a concept called 'django' a full stack python framework. It tries to include all the necessary features by default .Some of the exemplary features of Django areits authentication, URL -routing, template engine, object-relational mapper (ORM), and database schema migrations. The same code works with different databases and easy to transfer from one database to another. PostgreSQL, MySQL, SQLite, and Oracle are the main databases that Django works with.With Django, you can craft any web application from small-scale projects to complex websites. Django can be used as our primary framework for backend development. So these make Django highly scalable, ridiculously fast, and extremely versatile.

Hypertext Markup Language is abbreviation of HTML. This language is used to create web pages. Hypertext refers to the hyperlinks that an HTML page may contain. Markup language refers to the process in which tags are used to define the page layout and elements within the page.A database management system (DBMS) is a software package designed to define, manipulate, retrieve and manage data in a database. A DBMS generally handles and manipulates the data itself, the data format, field names, record structure and file structure. And defines the rules to validate and manipulate this data.A DBMS relieves users of framing programs for data maintenance. Other query languages, such as SQL, are used along with the DBMS package to interact with a database.

II. LITERATURE SURVEY

When we come to the food delivery system, Redseer, a research firm has claimed that the online food ordering and delivery segment grew almost 150% in 2016 in comparison to 2015, with an estimated Gross Volume of $300 million in 2016.

In [1] Dr. Surbhi Jain a nutritionist from lucknow, stated the success of online food delivery startups is mainly because there is a steady growth in the ecommerce industry.
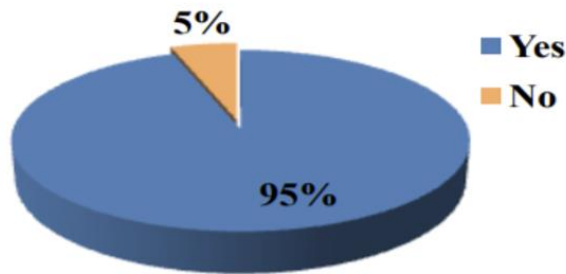
Fig-2.1: Awareness about the food mobile applications forordering food online

Of the total customer respondents, 95% of the customers were aware of the various mobile food delivery apps.
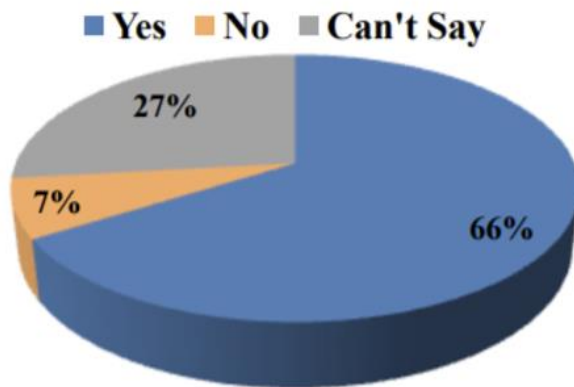

Figure 2.2: Belief that food apps will be the most preferred tool for food ordering in the future

66% of the respondents believed that the food ordering app will be the most preferred tool for food ordering in the future. So this ordering system will be a more profitable way for restaurants. They enjoy many advantages. This saves the time and service investment of restaurants.

But the drawback of this system is, the one who cannot order online will not be able to know which restaurant he has to select and which food he has to select and the desired food may not be available at that restaurant. This makes a path to some issues. So on the other hand when a survey conducted on students and employees food problems and who doesn't love online delivered foods what we got to know is that the majority of them don't have time to go to food courts or restaurants and order in the counter and get the details of foods available over their area. Also the unavailability of loved foods creates a problem for both food courts and students or employees and who doesn't like online foods. And they cannot order online. Because of this both restaurants and food courts have to face the problem. This problem is removed by

online applications which have food courts and restaurants with a list of foods and their availability.

In [2] has proposed a system in an online food ordering system that enables ease for the customers Which overcomes the disadvantages of the traditional queueing system. This has improved the method of taking the order from customer. And the system sets up a food menu online and customers can easily place the order according to their wish. Also customers can easily track the orders. This system also provides a feedback system in which user can rate the food items.

In [3]The paper introduces a new wireless ordering foods system which provides the process that includes ordering foods, printing menu and developing the database to manage the menu and so on. The system uses the MCS AT89S52 as the controlling chip as the ordering foods instrument; uses the 4*4 matrix type keyboard to analyse data input that indicates the number of the table, quantity of dishes. And to display all these they had used OCMJ4X8C LCD to display.Through wirelessdata setup the receiving part receives data about what is transmitted by the ordering foods appliance and storages in database. The one who use it could be able to manage menu and print it through the software.

III. COMPONENTS

HARDWARE REQUIREMENTS:

- 4GB RAM
- i3 processor

SOFTWARE REQUIREMENTS:

- HTML
- CSS
- MySQL
- Windows
- Python
- DBMS

IV. METHODOLOGY

The proposed system consists of the following algorithms:

- Welcome page
- Admin login page
- User login page
- Food session names
- List of foods

● Foods available or not

Welcome page

An algorithm using html is written for the welcome page. So that the welcome template will be visible to the users. As soon as the user opens the application he gets the welcome page.

Admin login page

Since this is a web application we use web framework django from python to develop and the template will be developed using html. In this login page the admin signup with the id and password. This data will be stored in mysql software which accepts and approves requests for logins. When the id and password tally with the data it will allow him to proceed further.

User login page

This web page is created using web framework Django.and the template using html. In this login page the admin signup with the id and password. This data will be stored in mysql software which accepts and approves requests for logins. When the id and password tally with the data it will allow him to proceed further.

Food sessions name

As the admin signs up he will get a catalog to add the food session name or restaurant name to the catalog which will be stored in the database. These catalog templates are developed using html. The user after login the user will be able to get the list of restaurant or food courts.and he will be able to decide the place.

List of foods

As the admin signs up he will get a sub catalog to add the foods to the catalog which will be stored in the database. These catalog templates are developed using html. The user will be able to get the list of foods. And he will be able to decide the food which he like to eat.

Availability of foods

As the admin adds his food session name and foods he will get a sub catalog to add food items update food items availabilities.so the user after selecting the dish he will get the details of availabilities. If it's available he will directly go with the selected dish and soon he will order it. Without any other

alternatives he will be in peace. If it's not available, the user will go to the other food dish or other food session. So he will be able tochoose an alternative with ease.
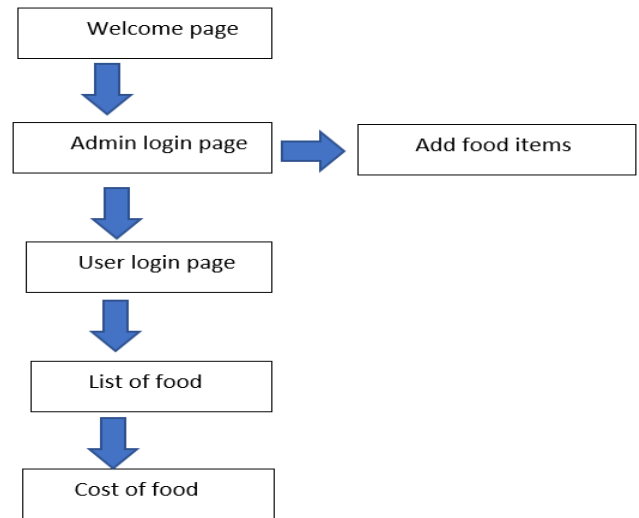

Fig-3: flow chart of the proposed method

V. IMPLEMENTATION AND DISCUSSION OF RESULTS

As the site opens we get a welcoming page with login boxes as belowin fig-4.1. After logging in as admin or user, admin can add the items available in his court and user can get the details of the food items which are available over there. And the details of food will be updating by admin and will be received by user.
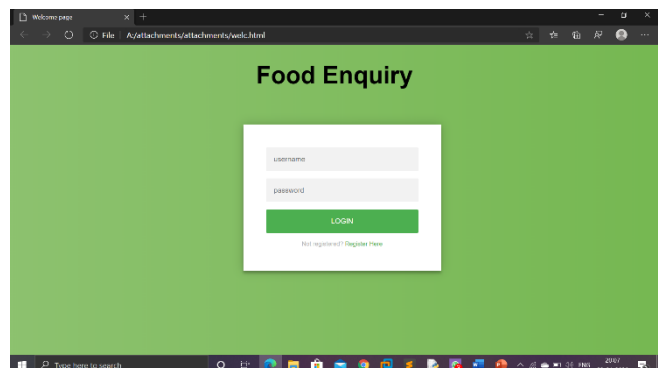

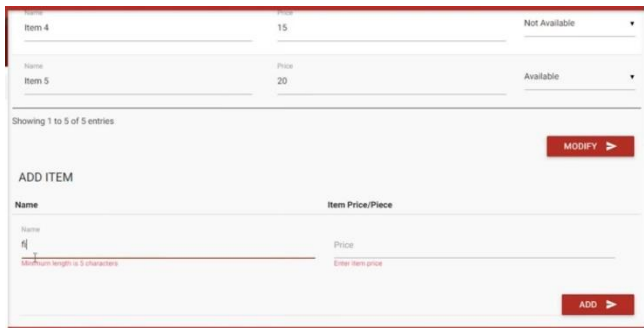
Fig-5.1: LOGIN PAGE

Fig-5.2: ADDING ITEMS

So this way we can add and modify items which is the activity of admin and then user's activity is that he can be able to get theitems in his list.

VI. CONCLUSION AND FUTURE OUTLOOK

In this paper there will be no wastage of time and energy and they can easily go for an alternative. When the operator of food courts co-operate we can also extend this to pre ordering where we can order food 10 min before going there. This will be favourable to the students, staff, employees. So everyone will be able to go back to work in time.

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