

Canteen Food Ordering Android System

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Abstract— Today everyone has no time, everyone is in hurry for their some or the other work, People who work or study don't get the proper time to have their food, so to overcome of that issue, the proposed system gives an android app for food ordering from canteen in house, which will save the time by avoiding long queue, waiting for long time to get their order and inconvenience will get vanished.

I. INTRODUCTION

Many employees have requested a system that would permit a canteen user to order meals on-line through an android application, to be delivered to a designated company location at a specified time and date. Such a system would save those employees who use the service considerable time and it would increase the chance of them getting the food items they prefer.

By getting to know what food items customers want in advance would reduce wastage in the cafeteria and would improve the efficiency of cafeteria staff. So to overcome by that issue, we introduce Canto App for all Users.

II. PROBLEM

A lion's share of representatives in a matter of seconds spend a normal of a hour for each day setting off to the flask to choose, buy, and have lunch. Around 20 minutes of this time is spent strolling to and from the flask, selecting their dinners, and paying for their suppers with money or MasterCard. At the point when representatives go out for lunch, they spend a normal of a hour and a half off-site. A few representatives telephone the cafeteria ahead of time to arrange a feast to be prepared for them to get. Representatives don't generally get the choices they need on the grounds that the flask comes up short on specific things. The bottle squanders a critical amount of nourishment that is not acquired and should be discarded. These same issues apply to breakfast and supper, albeit far less representatives utilize the container for those dinners than for lunch. Numerous representatives have asked for a framework that would allow a bottle client to request suppers on-line through an android application, to be conveyed to an assigned organization area at a predefined time and date. Such a framework would spare those representatives who utilize the administration significant time and it would build the shot of them getting the sustenance things they incline toward. Comprehending what nourishment things clients need ahead of time would decrease wastage in the cafeteria and would enhance the productivity of cafeteria staff.

III. LITERATURE SURVEY

□ Existing System:

• Food Panda :

The food panda group is a global mobile food delivery marketplace headquartered in Berlin, Germany, and operating in 40 countries and territories, including India, Pakistan, Russia, Brazil, Mexico and Singapore. The service allows users to select from local restaurants and place orders via the mobile application as well as the website. The company has partnered with over 58,000 restaurants. [1]

• Faaso's :

Faasos is an Indian "food on demand" company that was incorporated in 2011. Faasos operates in the 12 largest cities in India and takes customer orders via its mobile app. It is the only vertically integrated food business in India and operates all three stages of a "food on demand" business: ordering, distribution and order fulfillment. Faasos receives 10,000 orders a day across India and has recorded a growth rate of 20-25 per cent month-on-month.[2]

• Tiny Owl:

The TinyOwl is a location based app that lets you order your food from a range of restaurants anywhere in Mumbai, right from your mobile phone. The app is currently only available on the Android and iOS platforms in Mumbai.

The intention is to bring to the users their choice of food in a way that could hardly be thought possible. No need now, for those dozens of menus to be sorted through or the lack of menus when you need them most. [3]

• Box 8:

The company puts together popular Indian dishes in a single box so they can be consumed as easily as most continental cuisines - with a spoon or fork irrespective of whether it is roti or rice.[4]

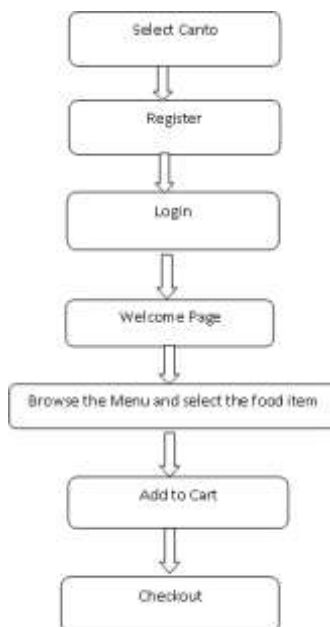
- **Zomato food ordering app:**

This application just like its competitors provides user the experience of ordering food online, while the unique addition in this application is the 'Order tracking' feature, which allows users to track their order in real time. [5]

IV. PROPOSED SYSTEM

For workers who wish to request dinners from the organization cafeteria or from nearby eateries on-line, the Cafeteria Ordering System is an Internet-based application that will acknowledge individual or gathering supper orders, process installments, and trigger conveyance of the readied dinners to an assigned area on the Process Impact grounds. Not at all like the present phone and manual requesting forms, won't representatives who utilize the Cafeteria Ordering System need to go to the cafeteria to get their suppers, which will spare them time and will expand the sustenance decisions accessible to them.

□ Flow Diagram:



□ Major Features:

- Order meals from the canteen menu to be picked up or delivered
- Create, view, modify, and delete meal into the cart.
- Register for meal payment options
- Request meal delivery
- Create, view, modify, and delete cafeteria menu by canteen admin.
- Produce recipes and ingredient lists for the food menu.
- Provide internet through company/college Wi-Fi or through outside Internet access by authorized employees

V. IMPLEMENTATION

□ Software:

- Android studio
- My Sql
- Php v7.1
- Php Myadmin
- Xampp Server(for local)
- Genymotion

□ Android Studio:

Android Studio is an integrated development environment (IDE) for developing for the Android platform. It was announced on May 16, 2013 at the Google I/O conference by Google's Product Manager, Katherine Chou. Android Studio is freely available under the Apache License 2.0.

Android Studio is designed specifically for Android development. It is available for download on Windows, Mac OS X and Linux, and replaced Eclipse Android Development Tools (ADT) as Google's primary IDE for native Android application development.[6.]

□ My Sql:

- **Scalability and Flexibility**

The MySQL database server gives a definitive in versatility, wearing the ability to handle profoundly installed applications with an impression of just 1MB to running monstrous information distribution centers holding terabytes of data. Stage adaptability is a stalwart element of MySQL with all kinds of Linux, UNIX, and Windows being upheld. Furthermore, obviously, the open source nature of MySQL permits complete customization for those needing to add one of a kind necessities to the database server

- **High Performance**

An exceptional stockpiling motor engineering permits database experts to arrange the MySQL database server particularly for specific applications, with the finished result being stunning execution results. Whether the proposed application is a fast value-based handling framework or a high-volume site that administrations a billion inquiries a day, MySQL can meet the most requesting execution desires of any framework. With fast load utilities, unmistakable memory reserves, full content files, and other execution improving components, MySQL offers all the right ammo for now's basic business frameworks

- **High Availability**

Rock-strong unwavering quality and consistent accessibility are signs of MySQL, with clients depending on MySQL to ensure all day and all night uptime. MySQL offers an assortment of high-accessibility alternatives from rapid expert/slave replication designs, to specific Cluster servers offering moment failover, to outsider merchants offering one of a kind high-accessibility answers for the MySQL database server.

- **Robust Transactional Support**

MySQL offers one of the most powerful transactional database engines on the market. Features include complete ACID (atomic, consistent, isolated, durable) transaction support, unlimited row-level locking, distributed transaction capability, and multi-version transaction support where readers never block writers and vice-versa. Full data integrity is also assured through server-enforced referential integrity, specialized transaction isolation levels, and instant deadlock detection..[7]

- **Php v7.1:**

PHP is likely the most well-known scripting dialect on the web. It is utilized to improve website pages. With PHP, you can do things like make username and secret key login pages, check subtle elements from a structure, make discussions, picture displays, overviews, and a ton more. On the off chance that you've go over a site page that finishes in PHP, then the writer has kept in touch with some programming code to liven up the plain, old HTML.

PHP is known as a server-sided dialect. That is on the grounds that the PHP doesn't get executed on your PC, however on the PC you asked for the page from. The outcomes are then given over to you, and showed in your program. Other scripting dialects you may have known about are ASP, Python and Perl. (You don't have to know any of these to make a begin on PHP. Truth be told, these instructional exercises expect that you have no programming background by any stretch of the imagination.) [8]

- **Php Myadmin:**

PhpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web. PhpMyAdmin supports a wide range of operations on MySQL and MariaDB. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc.) can be performed via the user interface, while you still have the ability to directly execute any SQL statement.[9]

- **Xampp Server (for local):**

XAMPP is a free and open source cross-stage web server arrangement stack bundle created by Apache Friends, comprise predominantly of the Apache HTTP Server MariaDB database, and mediators for scripts written in the PHP and Perl programming dialects. XAMPP remains for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). It is a straightforward, lightweight Apache dissemination that makes it amazingly simple for engineers to make a nearby web server for testing purposes. Everything expected to set up a web server – server application (Apache), database (MariaDB), and scripting dialect (PHP) – is incorporated into an extractable record. XAMPP is likewise cross-stage, which implies it works similarly well on Linux, Mac and Windows. Since most genuine web server arrangements utilize the same segments as XAMPP, it makes transitioning from a neighbourhood test server to a live server to a great degree simple too. [10]

- **Genymotion:**

Genymotion is a fast third-party emulator that can be used instead of the default Android emulator. In some cases it's as good as or better than developing on actual devices. [11]

VI. CONCLUSION

The future ability for employees/students to order meals for delivery from local restaurants would make a wider range of choices available to employees and provides the possibility of cost savings through volume purchase agreements with the restaurants. It might also permit User to have the canteen handle only individual lunches, relying on restaurants to fill orders for breakfasts, dinners, special events, and weekend meals.

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