IMPLEMENTATION ON “BARCODE BASE BILLING SYSTEM FOR SHOP USING ANDROID SMARTPHONE

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I. INTRODUCTION

In this undertaking is to propose an ongoing catching framework for customer supplies utilizing Barcode card in Android advanced mobile phone. As of late, broad research has been done on vision-based programmed ID innovation that perceives picture codes utilizing advanced mobile phones to give different administrations that can perceive the validness of any item. Utilizing Barcode with uncommon images and split the information back to their Barcode design where this Barcode example can be perused by Android brilliant phones. Standard picture codes like one-dimensional scanner tags and two-dimensional codes with highly contrasting examples distinguishes an item for its esteem and essential highlights however does not confirm it, more finished few out of every odd item is utilized for verifying maker's guarantee. So Barcode confirms items by catching it through the advanced mobile phone, at that point disentangles and sends it to the server for verification. Especially, we center around limiting the quantity of information pieces of information expected to recover data with little vulnerability and present great developments some of which are ideal. The client advances the chose item rundown to the server that empowers the purchaser to choose in view of the items authenticity. The application said here would read the Barcode(s) of the product(s) and add it to the shopping basket in the application. It gives techniques to change the amount of item/s acquired and alter the rundown. Alongside this the client would be educated about the on-going offers in the store. Installment can be as indicated by client comfort.

Abstract:

When we go for shopping we generally select the required items and include them into the shopping basket. However, with regards to the last bill installment there are no sufficient counters in the shopping center that can deal with every one of the clients. Additionally examining every last result of all the client turns into a tremendous errand and prompts extensive line arrangement. Because of this our profitable time is squandered, so by remembering this, we have changed a truck which will contain a scanner tag, catch utilizing advanced mobile phone by which the client can catch the item and naturally the item id, item name, amount and different points of interest are put away in the database which will be brought and shown on the android application. Each standardized tag card has some one of a kind ID; an android application will utilize this ID with the goal that the database can be gotten to by the client through Wi-Fi module. The shopping center's PC will show all the rundown of item added to the card and the last bill will be produced. This application depends on android stage as a large portion of the general population utilizes android telephones.

Keyword: - Barcode card, Android Mobile Phone, Wi-Fi
II. IMPLEMENTED WORK

A. ARCHITECTURE OF SYSTEM

1. CUSTOMER LOGIN

Enter the smart shopping Barcode shop app and connect via Wi-Fi through ip address code to access Products details. Enter the username and password in login interface which is registered in shop admin.

2. BAR CODE

We are using Multiplexing and Demultiplexing algorithm for recognizes Barcode image using smart phones to provide various services that can recognize the authenticity of any product. So Barcode verifies products by capturing it through the smart phone, then decodes and sends it to the server for authentication. The customer forwards the selected product list to the server that enables the consumer to decide based on the products authenticity.

3. BILLING and OFFLINE PAYMENT

Once the scanned product are confirmed the details of the product are send to database for update the remaining quantity of product. If any modification required in list of products, the customer can modify. Otherwise the customer can pay the billing amount into shop authority.

4. SHOP DATABASE MAINTENANCE

The shop authority can add or update the products details to server. The Barcode image automatically generate for all products. Each Query given by the user will be processed by the server and update the changes in the database. The results produced by the database will be displayed to the user with a help of user interface.

B. FLOW CHART DIAGRAM

III. MODULES AND OUTPUT

A) LOGIN FORM

Fig 1. Login Form
Login Form is helpful for the security reason, we can secure the application utilizing login frame, we can't utilize the application without security.

B) HOME PAGE

Fig. 2. Home Page

After login your ID they can open fundamental shape, It is utilized to demonstrate the all module i.e. Item ace, Purchases Bill, Stock, and Dashboard.

C) ITEM MASTER

Fig. 3. Item Master Form

Thing expert valuable for the enter all item which will we deal. All offering thing enter in thing expert. Thing traits are thing related data that you have to enter in the framework for following and exchange purposes. We utilize the Item Master shape to include, refresh, look, and keep up thing information.

D) PURCHASES BILL

Fig. 4. Purchases Bill Form

Here we can make a buy charge and keep up exchange for buy item.

E) STOCK DETAIL

Fig. 5. Stock Detail Form

Put away the every single stock detail in database server. Administrator is check the in database server what are the thing are accessible in stock or not.

F) DASHBOARD

Fig. 6. Dashboard Form

Dashboard from is utilized to deal with client merchant young lady, demonstrate the all detail of dynamic and deactivate of card, and furthermore demonstrate the all aggregate sum of related card. After paid the bill card is naturally deactivated.
G) REGISTER FORM

An enlist is a legitimate rundown of one sort of data. Enroll shape is utilized for confirmation of client. Enter the all detail to enlist your ID like Name, address, Mobile No. what's more, watchword.

H) MOBILE BILLING PAGE

This application is utilized to deal with the client, utilizing PDA by which the client can catch the item standardized identification and consequently the item id, item name, amount and different points of interest are put away in the database which will be gotten and shown on the android application. Each standardized tag card has some special ID; an android application will utilize this ID with the goal that the database can be gotten to by the client through Wi-Fi module. And furthermore demonstrate the aggregate sum of item.

IV. CONCLUSION

As showed by this paper an ongoing catching framework for client supplies utilizing standardized tag in Android PDA. Standardized tag checks items by catching it through the advanced mobile phone, at that point translates and sends it to the server for confirmation. The client advances the chose item rundown to the server and the reaction got from the server empowers the shopper to choose in view of the items credibility. The extent of this paper is to propose an ongoing catching framework for purchaser supplies utilizing scanner tag in an android Smartphone. In future, checking the items after the installment should be possible naturally with the assistance of inserted framework.

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