

Service Base Application

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Abstract - *The Project of Service applications Management System deals with the automation of market. It includes billing items. The project of Service applications Management System is developed with the objective of making the system reliable, easier, fast, and more informative. There are lot of reason for the introducing this project. In the manual System, there are number of inefficiencies that a shop faces. Huge records-books have to be maintained where relevant and irrelevant information has to be stored which is very untidy and clumsy process. But our System reduces paper works. On the other hand, there are many inherent problems that exist in system. Productivity of any human being keeping is affected due to less efficiency. And also include System Reminder.*

Introduction

In this Paper we propose a service application in that we design android application.in that service provider send bill to customers from what's app, mail or text medium them paid quickly. The quicker your business can get invoices to clients and customers, the faster your business will be paid, which will have a positive impact on cash flow. And also avoid stationary problem and registered record. Also In this paper we propose a reminder system, as part of an assisted living application. The system exploits an Android device and a web application that communicate via sms gateway interface, what's app and mail. When service provider get the vehicles tire service also set the efficiency of that tire after some duration tire efficiency reduced to get automatic alter of the customer by through sms in that system auto SMS system, share all customer SMS through application, auto bill SMS, offer SMS send through sms Gateway also we add recharge SMS auto prediction system. Also upload any excel data in application and store in cloud. The functionality of the system involves the creation of reminders using a PC and their Android device, which are stored in a Cloud infrastructure. For reminder, the customer is notified at the tire efficiency at particular time, with text sms alerts and for payment system customer used payment gateway like phone pay, Google pay, paytm etc.

Literature Survey

In [1], The authors "GalandeJayshree, RutujaGholap, PreetiYada" proposed RFID based automatic billing trolley, with this model the system consists RFID reader and the products in the malls equipped with RFID tags.

When a person puts any product in the trolley its code will be detected by RFID reader and the price of the product will be stored in the memory. At the billing counter the total bill data will be transferred to the pc by wireless RF modules.

In[2], The authors "S.Sainath, K.Surender, V.VikramArvind" proposed a model Automated Shopping Trolley for supermarket Billing system in which the automated shopping trolley is a smart trolley which integrates a raspberry pie embedded chip with two barcode scanners and a battery kit to allow users to self check out at supermarket.

In [3], the authors "Mr.Yathisha L, Abhishek A, Harshit R, DarshanKoundinaya" proposed a model automation of shopping cart to ease queue in mall by using RFID module and Zigbee module. In this system we are using RFID tags instead of bar codes, whenever a customer puts a product into a trolley, it will get scan by RFID reader and product price and it will be displayed on the LCD. We are using zigbee transmitter which is used to transfer the data to the main pc.

In[4], the authors "Jadhav Rahul, Pradeep, Nandkumar, TaraliShivkumar]" proposed a model of RFID based automated billing trolley. In this technology, the communication is in between RFID tag and reader, each tag has magnetic strip with specific code and tag is read by RFID Reader module. The automated billing system based on the passive RFID provides suitable solution to the manual billing method in shopping mall.

In [5], the authors "UditaGangwal, Sanchita Roy, JyotsnaBapat" proposed a system of smart shopping cart for automated billing purpose using wireless sensor networks. In this paper authors describing the implementation of a reliable, fair and cost efficient shopping card using wireless sensor networks. In[6], the authors "KalyaniDawkar, ShraddhaDhoma, SamrudhiMahabaleshwarkar" " proposed a model of electronic shopping cart for effective shopping based on RFID in which a system consist of smart trolley will have RFID reader, LCD display. When the person puts a product in trolley it will scan and the cost, name and expiry date of the product will be displayed. In [7], the authors "YnajunZuo" describe the importance of RFID for automatic item identification and data capture. He developed a secured tag reader authentication protocol to ensure the authenticity of RFID readers.

Proposed System

The main purpose of a billing system is to make life easier for a customer. The project of Service

Applications Management System is developed with the objective of making the system reliable, easier, fast, and more informative. And also avoid stationary problem and registered record. Also In this paper we propose a reminder system, as part of an assisted living application. The system exploits an Android device and a web application that communicate via sms gateway interface, what's app and mail. When service provider get the vehicles tire service also set the efficiency of that tire after some duration tire efficiency reduced to get automatic alter of the customer by through sms in that system auto SMS system, share all customer SMS through application, auto bill SMS, offer SMS send through sms Gateway also we add recharge SMS sms auto prediction system. Also upload any excel data in application and store in cloud.

System Architecture

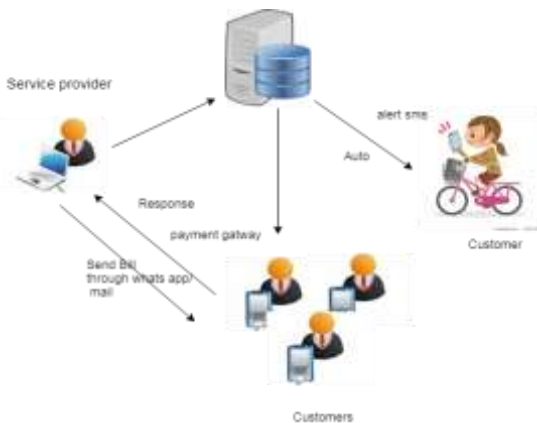


fig. System architecture

Advantages

- Reduces manpower required in billing section.
- This can reduce the expenses incurred by the management.
- User will be aware of the total bill amount during the time of purchase.
- Reduces time span at billing counter and Increases customer satisfaction.

Applications

We implement to simplify the billing process, make it swift & increase the security using Android application. This Will take the overall billing different level. Billing of products by using App technique will be a more viable option in the future. The system based on Android pulse web technique is efficient, compact and shows promising performance.

Conclusion

The service application system with using application bill generation helps the retailers to manage the customers in an efficient way since the customers need not have to wait in long queues. And avoid the stationary, and paper, also registered customers will be provided a Personal Identification. Since the data of the purchased products is displayed in the mobile the customers can get to know about the bill details in advance with which the customer can plan for an affordable purchase. This system thus helps in achieving a faster billing system. Also in that we design a reminder system a reminder system which works based on the activity time has been completely developed. The system was built by using the sms gateway, APIs of what's app and mail.

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