

Digitalization Newspaper Delivery

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Abstract - Digitalization Newspaper Delivery system is a circulation software and subscription management for newspaper and magazine distributor. It is a multiple newspaper subscription management software system that handles both newspaper and magazine circulation. This newspaper circulation system is designed for small publishers and both small and large home delivery and retail outlet distribution operation, and will give you the kind of control you want and need when you are responsible for the management and delivery of many different kinds of newspaper and magazine publication. Bill generation module is used to create bill for the customer, system has option to generate bill for single customer, for single line and for all the customers. It also calculate the previous due amount, delivery charges which will add to transaction amount.

become a vendor. In order to become a vendor, the person will have to acquire special permissions

- Customer:

The people who have to purchase the newspaper will first have to create an account and while creating their account, they will have to specify the phone number and address so that the nearby vendor can deliver the newspaper to them. The person will have to select one or more newspaper from the list of available newspapers and then pay the money for that newspapers. The person can also tell the vendor through the app that on which day he doesn't want the newspaper. The person can also cancel the subscription of a particular newspaper whenever he wants to.

1.INTRODUCTION

Digitalization of Newspaper Delivery means that the payment of the Newspapers can be made online i.e. through the app. This will save the time of the newspaper vendors i.e. they will not have to go to each and every house to collect the money nor the people will have to go to the newspaper office in order to pay the money. The Newspaper vendor will only have to do the job of delivering the newspapers to the specific address. This project is an effort to reduce the efforts of the newspaper vendors i.e. half of their burden will be reduced. The Vendor will not have to roam every house to collect money. The vendor will sit in one place to see who has purchased the newspapers and will only have to deliver the newspapers

1.1 Working

There will be two types of users, the Vendor and the customer who will buy the newspapers. The user can use the app.

- Vendor:

The Vendor will first have to register. The vendor can register through app. Then after registering, The vendor can see the people in the nearby area who are registered. The vendor can also see the people who have paid the money. Anyone cannot

2. LITERATURE SURVEY

2.1 Detailed Survey

We visited many newspaper vendors and collected information from them.

- Problems the newspaper vendors have:

The newspaper vendors do a lot of hard work and have a big problem of collecting the money from the customers. Also the vendors have a problem of tracking which customer had paid the bills or not. So we thought that we can reduce the burden of the vendors to some extent. If the billing of newspapers is done online, then it will reduce the burden of the vendors to some extent. The vendors will only have to deliver the newspapers.

2.2 Information about Our Application

Through our application, the customer can make the payments of the newspapers online. The customer can decide which newspapers to buy from the list of newspapers and the newspaper which the customer selected will be delivered to him by the vendor. The vendor will also not have to remember which customer wants which newspaper. When the vendor will type the customer's name, the will get the whole list of newspapers or magazines the customer wants and whether the customer has paid the money or not.

The customer can also buy the magazines from our application. In case the vendor does not know the location of the customer, then they can come to know the location of customer on the map interface.

3. ADVANTAGS AND DISADVANTAGS

3.1. Advantages

- Easy to use.
- Save travelling time of vendors.
- Role based login system.
- Authentication mechanism.

3.1 Disadvantages

- Customer Vendor and should have their account in the same bank.
- Once the customer has registered to one vendor he cannot simultaneously register to other vendor in same locality.

4. PROPOSED SYSYTEM

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of existing system. The system provides the proper security and reduces the manual work.

- Security of data
- Better service Greater efficiency
- Minimum time required

The idea came into our mind when we saw the day to day problems of the newspaper vendors and saw that they had several problems in order to collect the money from the customers and to keep track of the payments. So we thought of developing an app which can reduce their problems to some extent.

We have planned several things for our application as follows; the customer can make payment of newspapers online. The vendor can keep track of which customer has not paid the bill. The customer can select which newspaper or magazine to buy from the list. The customer can decide on which day he doesn't want the newspaper through our app. The vendor can decide which newspapers to sell. For every new invention there is some need. Similarly for our application we observed that the vendors had many problems and we thought that we can reduce their problems to some extent. So this was the need for the application. This need made us develop this application.

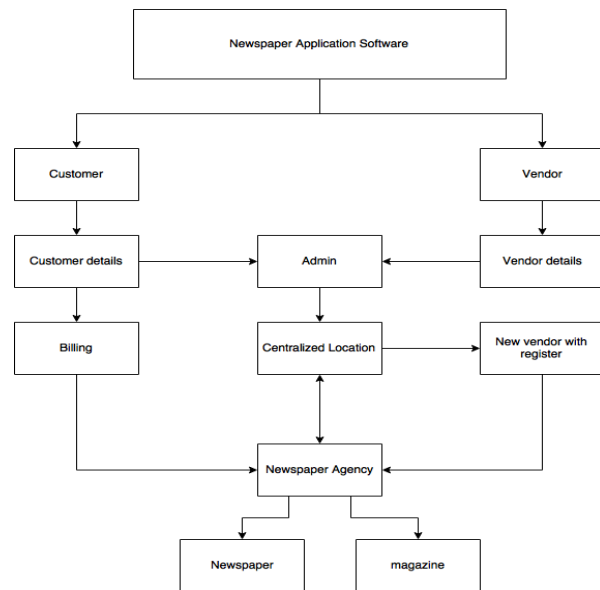


Fig -1: Block Diagram of Our System

Current Systems:

The currents system regarding bill payments currently is done in such a way that utilities agency or service providers send bills to the customer through traditional mail. After the customer receives the bill he/she will visit to the particular vendor and then the customer pays the bill. After payment the billing system at the utilities company are updated and the customer will be given a receipt as proof of payment. The customers are highly mobile people who change their addresses more often and the bills posted to customers may often not arrive to customers on time. The service providers have embraced information technology to help customers to pay their bills at their own convenience. In the current scenario, customer will only be able to pay their bill during working hours only the current IT trends that customers use to pay their bill at their own convenience:

Cell Phone Banking

Online Banking

Existing System: In existing system the billing are done only manually, but in proposed system we have to digitalized our payment system for which we are developing an application.

- Lack of Security of data
- More man power
- Time consuming
- Need manual calculations

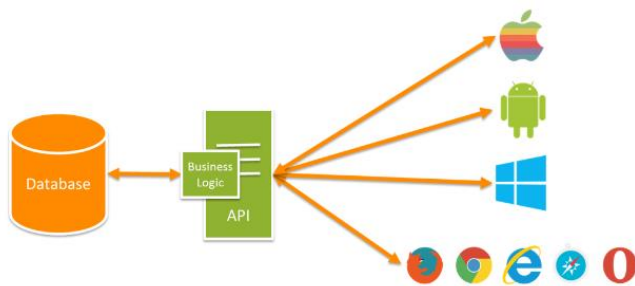


Fig -1: API for Database

5. CONCLUSIONS

Application is basically used for the vendor and customer. It reduces the time of the customer. This Application makes the use of billing transaction. Digitalization Newspaper Delivery system is a circulation software and subscription management for newspaper and magazine distributor. It handles both newspaper and magazine circulation. It makes an easy to use environment for Vendor and customers. It is one of the step towards Digital India.

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