

ONLINE NEWSPAPER BILLING USING ANGULAR JS

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ABSTRACT

The Online Newspaper Billing enables customers and distributors to set up transactions on monthly basis, customers can start/stop service and a distributor can track all the details related to their customers geographically, distributor can add as per his convenience, distributor can also send notifications about offers. We can easily track all sales and incoming payments from customers in real time. This system allows the customer's to maintain all record and allows distributor to add new customer. Online Newspaper Billing is automated for Distributors. Customer management, Product Management, Payment Record everything which you need is in your pocket .This will reduce the daily effort of Newspaper Distributors for their Customers, Monthly Billings and Payments maintenance. Online Newspaper Billing is circulation software and subscription management for newspaper and magazine distributors. 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 retail outlet distribution operations, 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. The aim of this project is to present a new innovation in the field of newspaper industry. To develop a web application that generates the bill automatically. This project will provide a convenient and fast result of billing.

Keyword : *payment records, circulations, product management*

1. INTRODUCTION

From our newspaper billing system, we can create invoices, statements, credits, debits and accurate reporting and period comparisons. Some important features are Easy month end procedures in our software, Fast entry of payments, orders, credits and debit memos through the easy billing, system, Reconciliation of every advertisement at issue close, Software has an easy search entry system so that you can find client information quickly, Our newspaper billing software gives you the ability to maintain accounts from external billing systems, Predefined reports within the billing software eliminate the need to re-enter report criteria and ensures consistency across document.

This document is meant to delineate the features of Newspaper Billing Web Portal, so as to serve as a guide to the customers and to distributors. It is intended to provide complete solutions for distributors as well as customers through a single get way using the web. This system allows the customer's to maintain all record and allows distributor to add new customer. Newspaper Billing is automated for Distributors. Customer management, Product Management, Payment Record everything which you need is in your pocket .This will reduce the daily effort of Newspaper Distributors for their Customers, Monthly Billings and Payments maintenance.

This newspaper billing adds and maintains records of available Papers and magazines. It also adds as well as maintains customer details. It has the maintenance of all the description of new subscription. These systems provide economic and financial reports to the customer on monthly basic. It provides the convenient solution of billing pattern. The online newspaper billing makes an easy to use environment for users and customers.

2. KEY PRINCIPLES

2.1. Registration

It is the first stage for both the distributor and c/ustomer. In this stage, first it registers the person as the customer or distributor. Then according to that it gives the username and password to the person. Because the person will need the username and password for further login.

2.2 Customer

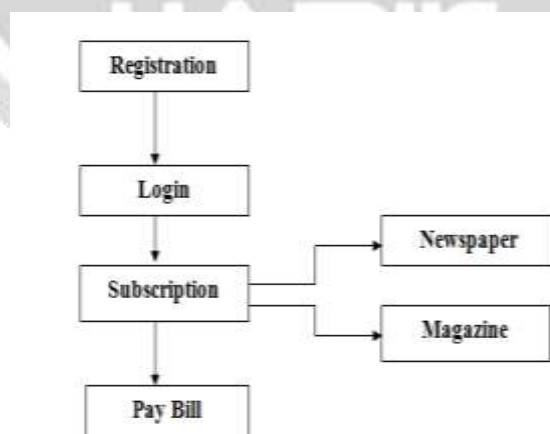
In the customer module, after login the customer have to select the category between the newspaper and magazine. Then the customer will have to give the start date of subscription as well as stop date of the subscription. This will calculate the subscription amount and shows it to the customer.

View/Pay Monthly Bill: This project let the customers to view the bill so that they will be aware of the services provided from the distributor. Additionally, the customers can pay the auto calculated monthly bills.

View Transactions: All the payments done by the customers can be viewed from the beginning till the present time by viewing the transactions.

Start/Stop Service: In case the customer is going on a holiday or any other important work then the customer can stop the service for that particular period of time. This will avoid unnecessary applying charges and hence the bill will generate according to the service consume.

Edit Profile: If the customer shifts from the present location to any another one then they can update their information by going through the edit profile option.



2.3. Distributor

In the distributor module, there is no need for the distributor to manually show the data. All the data is stored in the server itself. This doesn't let the distributor to use pen and paper to maintain the data and make everything convenient. Therefore, the distributor does not need to visit everyone's place personally. Add Customer- Customer who does not have the knowledge about digitization

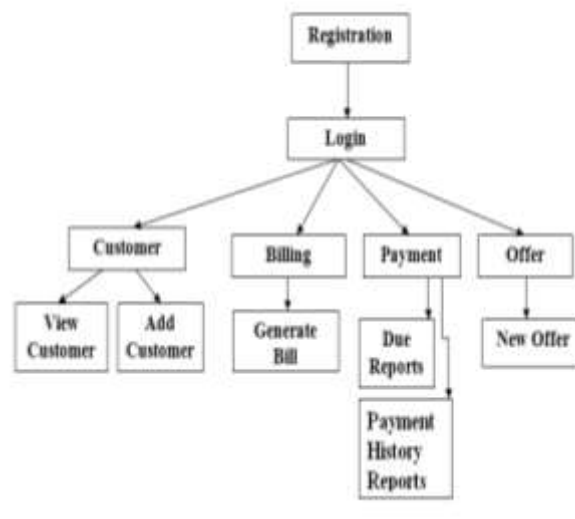
can directly contact the distributor. The distributor will add that customer to the list and the service will start from the distributor to that customer who has been added.

View all- Distributor can view all the information of the customer about the bills, payments, location, etc. This makes the work of the customer easy and convenient.

Subscription Request- The distributor login the customer through the subscription request.

All Subscription- All the details related to the customers are shown in the subscription list.

FIG of Workflow of distributor registration



2.4 Billing

The distributor needs to generate the monthly bill so this provides the auto generated bill of every customer just by adding the phone number of the customer.

2.5 Payments

Dues Report- The distributor manages all the data regarding the balance amount of the customer in this section and send notification to the customer. Payment History Report- Till now the distributor maintain all the payment history manually but by this project all the data will get store in the database. This data will be shown in the report format to the distributor.

2.5 Offers

If the distributor has any new offer related to the magazine or newspaper the distributor can send the offer to all the customers through mail. This will make the work faster and every customer will know about the new offer.

3. Workflow

In below figure the key principles of Online Newspaper Billing are to serve as a guide to the customers and to the distributors. This system allows the customer's to maintain all record and allows distributor to add new customer .The project is helpful for the customer and distributors of the newspaper. The proposed system provides the user friendly environment because the storing and retrieval of data is fast as well as data is maintained efficiently. It reduces the pain ofthe distributor of manually calculating the bill

of every customer as well as there is transparency between the distributor and customer regarding the amount of the bill. In this it uses the concept of start or stop service for the customer. Distributor can send notifications to the customers regarding bills, offers, payments.

4. Result and Discussions

4.1 Snapshots

4.1.1 Homepage



4.1.2 Customer



4.1.3 Customer Subscription



4.1.4 Start/Stop service

4.1.5 Distributor



4.1.6 Distributor page



4.1.7 Offers



4.1.8 Payment due page

NEWSPAPER BILLING

Payment Due

Month	Year	Name	Total	Details
January	2018	Dina Thanthi-Newsaper	8.55	VIEW DETAILS

4.1.9 Bill generation page



4.10

Reset password page



5. Units

The inconvenience faced by the distributor by walking door to door for the payment or billing process. To overcome this problem we are providing online facilities and billing too. We are dealing with XAMPP database, software like NETBEANS and angular JS technology which are applied on customer, distributor and subscription module respectively.

6. Conclusion

Online Newspaper Billing has always been a hectic issue for a newspaper distributor. Billing of newspaper is still performing manually in most of the areas. The online billing facility is introduced now to avoid inconvenience to the distributors who travels door to door. The data entry for the customer and the distributors are easily understood. The distributor need not carry their bill books all the time for making payments. They just need to notify their customer and the billing process will take place online. The customers are notified whenever the service is completed. It will provide dedicated support. The customer can login themselves 24/7 in case of activating service or subscribing new offer. In this digital world online newspaper billing is a good contribution

7. Future scope

If the bill generation for newspaper service consumed is automated and everything is carried out digitally, then this will be convenient for customer as well as distributor

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