



# WEB FARM

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**Abstract:** Web farm system targets for the condition of a shopkeeper who are still maintaining paper record for the expense and listing items that need to be ordered. In this website owner and employee of the specific shop both of them will have their own different accounts to login, both of these account will have different ID and password, so that the employee never logins into the owner's account and the owner will have the permission to login into the employee's account. The owner will have the permission to list the items that needs to be ordered as per the necessity of the stock. It will also have a feature which will auto detect the quantity of the particular item which is remaining, so that the owner can order as required. This project will help the shopkeeper by providing all kind of information about the store. This will also help to improve the user's productivity time. This proposes an web-information system that is able for a shopkeeper to have relevant information about the items such as varieties, brands, prize, quantity and other requirements like the things which they are going to keep in their shop. The purpose of our project is to develop a bug free and time saving system to use.

**Keywords:** Auto-Detect, Productivity, Relevant Information, Bug free.

## I. INTRODUCTION

Till today's date, there are some shopkeepers that are still maintaining books/records for their daily expenses, calculating the totals, and doing the profit and loss calculations for hours and hours. So we made a website called web farm. A web farm is a website which is easy and flexible to use. This website helps to identify and to analyze the relevant material, information, and store items in the shop and it will also store the information about the quantity of material stored all together in the store, and also material required as per the quantity.

The website will have a daily update on incoming and outgoing grocery items. This website will be flexible to use online by the admin as well as the employee. This website will allow the admin and the employee to enter the items which have been sold. The admin can also have a daily quick check on stock and the bills. Admin and employee have different accounts to maintain their records. The admin account will have the facility to calculate the monthly, and weekly expense records.

This website will help the owner to organize all the expenses of the store. All of the stock is maintained in the table form. So it is easy to access the quantity, price, and sold-out items information just from one table access all of this information is viewed. It helps the shopkeeper not to look at every rack of items and calculate the item to be ordered and the list of items sold. This website provides a bug-free information system to the owner as well as the employee.

This website will give the owner new ideas to explore, to improve their productivity, and to make their website more creative to attract as much as customers possible, so that they can buy and sell products. This website can be useful for any kind of shop depending on what kind of stock you are keeping in your store. This website can also be useful for a farmer. This project supports the specific owner who is willing to use this website and also for the owners who wants to learn how it is possible to use this website web farm to sell and make billings through this website.

It is not necessary to learn how to operate computer if one is willing to use this website, this website can also be added on home screen or desktop, so it becomes easily to log in to the website. Any owner can learn easily how to operate this website, how to log in, how to make bills, how to add stock online in the website, and how to make an employee's account by just putting in some details about them.

The shopping trip to the mall or any grocery store is one of the most basic elements of consumer behavior. We made sure that the owner and the employee is fast at making bills through this online system without consuming their own time and as well as the customer's time too.

**II. LITERATURE SURVEY**

This website makes the work easy for the owner by searching and viewing the information of the stock needed from the entire shop, all the information can be viewed from sitting in one place it also saves a lot of time, effort, and energy. The user can search for the information of their own choice according to their requirement and this work can be done online so it will be easy, quick, and less time-consuming for the user to use and go through the stock and information. It has a feature that auto-detects the quantity of the particular item in the shop so that the owner can order as per the requirements. This literature survey review and gaps analysis is undertaken in the context to improve basic needs, Rural Statistics, and also to make work much easier. This proposes a Web-Information System that enables a shopkeeper to have relevant information about items, such as the varieties and other requirements like the things which they are going to keep in their shop. The level of application of this information determines the flexibility and efficiency of the shop. This project has been developed to support the management of any business. Software is going to be designed and implemented which can be used in any shop. The website will always be secure because the user id and password will be confidential. The website will make the billing work real easy and quick and the billing process will be done within minutes. During the billing the total of the items will be automatically done by the website itself. The employee log in can be created within minutes and you can also change the id and the password of the employee easily, without disturbing the previous details of the employee. The website only maintains the necessary points to be displayed on the screen so it does not create any confusion for the owner. After logging into the owner's account the main screen will have numbers of bills created displayed and you can view the number of items sold throughout the day. The name of the employee will be displayed in front of the bill so that the owner gets to know that the specific bill was created by that specific employee. This record will also be noted down in the register of this website. The images can also be added on that specific item so it becomes easy to identify and to view the brand of the item too. The websites link can be added on the desktop too, so it becomes easy to open the website just in one click and then directly the log in page will be opened up.

**III. EXISTING SYSTEM**

In some areas people are yet doing their calculations in written form to make those people's work easy we developed this website. This website is very useful once you are familiar with it and its uses. To avoid the hours of calculations and doing the profit and loss of the month expenses or day to day expenses. To prefer almost half a dozen of books to remove one month record is hectic and a lot of time consuming work, space, and energy. It must be hard to look after the employee's and to see their billing record. One small mistake during the billing can lead to miscalculations of the month expense. Customer's time use to occupy till the employee writes all the bills down in his records. If you buy much number of items you have to use a calculator to sum them up. It included hand written records at every point. It requires a lot of time as well as manpower. The amount of difficulty required to maintain these records is hectic. The loss or damage of any calculations can lead to damage hundreds of records at one time. The owner has to keep a track of every item in his shop if any of the item is missing he has to go through the records of books and have to be careful with them to find out what went wrong.

**IV. PROPOSED METHODOLOGY**

This website will have two different login accounts, the first account will be the user login account and the second account will be the employee login account. Both user and employee will have different accounts to log in to. On a single page, two options will be available to log in, the owner account and the employee account, at a time you can only login into one account.

The owner account will have a different id name and password as well as the employee account will have its own different id name and password. The owner will have the password and username of the employee and the owner can log in anytime to the employee's account. Whereas, the employee will not have access to the owner's login details. The owner will have the employee's details in his login account so that he can view them anytime, details like their name, phone number, address, etc. The owner account will only have the permission to add up the new items in the stock and also to reduce them if the stock is not available in the store. The employee will not be able to view any other information other than bills, stocks available, and their profile.

Owner login details are as follows:-

User (Owner) - Owner Generates- Only the owner can generate the employee account with their given id\_name and the password which will be confidential between the owner and that specific employee.

**Create Employee-** The employee details like their name, id, password, phone number, address, etc. will be only filled by the owner. The information available on the owner's screen about the employee details will also be visible on the employee's screen too once logged in. **List the items required-** Items need to be listed according to the stock and according to the category listed like liquids, soaps, banana chips, etc. We can always include any stock items necessary to the store. Their quantity is available and the price is accordingly listed. Quality and other specifications of that item will also be listed by the owner. If there are any or the specialty of the brand or product information about it will also be displayed accordingly. **Can check employee day to day entries-** The owner can check the employee's day-to-day entries, and bills created on that day by that employee. The owner can go through the monthly expenses, day-to-day billing, date-wise billing, or the bills done on that specific day or date. The number of bills according to the day will also be displayed in a row or in a sequence. The owner can also be able to do the billing work directly from his account if needed. If you add up the stock you do not need to write about it's details all over again you just have to add up the quantity available of that specific stock.

**Monthly expenses-** During the billing, the calculation is automatically updated. The owner account will have the facility of calculating expenses of the month, and they can easily go through items that need to be ordered. Also if the owner needs to do the billing he can directly do it from his own account. He do not need to log into the employee's account to do the billing.

The employee details are as follows:-

**Employee (Worker)-** Once the employee's account is logged in by the owner their id-name and password will be permanent and they have to apply the same id name and password every time they log in to the website. They can view their own profile if they are logged into their account. Other employee details and specifications are confidential between the owner and that specific employee. **Items sold in a day-** Bills will be stored date wise and dates are automatically saved according to the bills day to day items sold can be viewed easily. **Bill Printing-** Bills are made from this account. Bills can be easily made, during the billing you write up the items suggestions will be passed accordingly. Date wise bills will be listed to check previous records too. Shop item list and data will be already put in by the owner that needs to be sold out.

**System Architecture:**

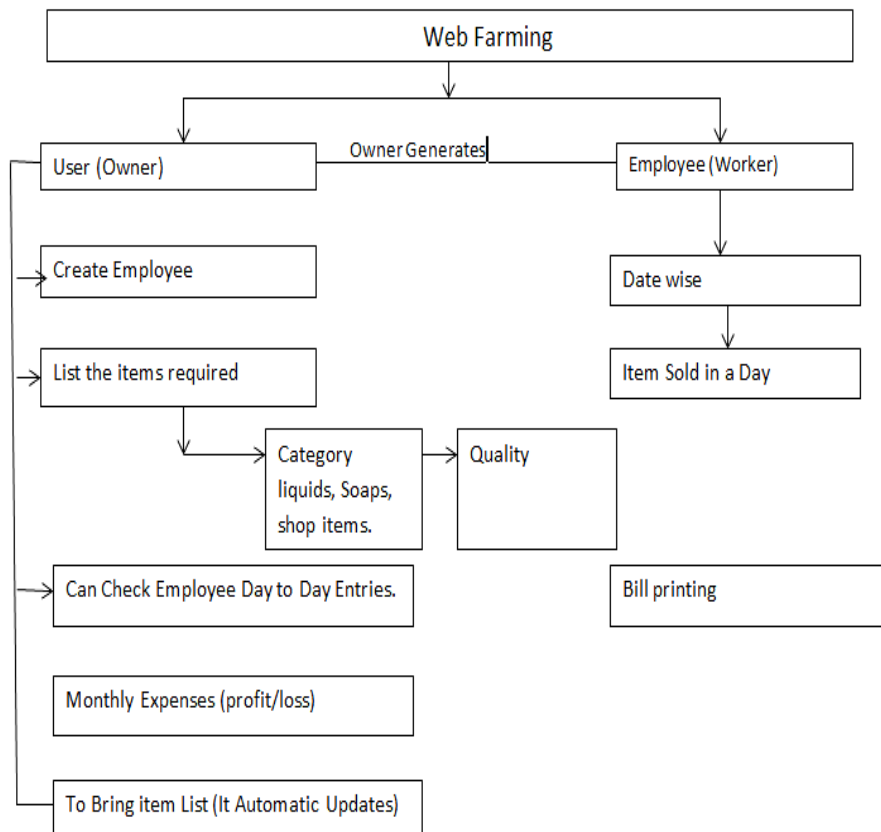


Fig. System Architecture of Web Farm



## V. FUTURE WORK

Orders can be pre-booked by the customer. Various coupons, deals, discounts, and sales will be provided. The owner and customer can track the GPS location of the delivery boy. On the billing counter, you can also add up a scanner and the scanner will be connected to the main website so that the user can view the scanned bills easily too. A notification will be passed if the shop is running out of the specific goods accordingly.

## VI. CONCLUSION

Our project plan is to develop a computerization system for any shopkeeper. The project allows you to organize the data of any shop. It makes the calculations easy just in some single clicks. All the transactions can be recorded with a daily report. Employee entries can be tracked from the admin account.

## VII. REFERENCES

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