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Web Application for Ration Distribution System

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Abstract: *This paper proposes the advanced Ration Distribution System, named as "Web Application for Ration Distribution Management". Ration card is extremely vital for every home. It performs as address evidence for various purposes. It is used for various fields such as for obtaining family members details, to obtain gas connection, etc. Every home has a ration card to obtain the various materials (sugar, rice, oil, kerosene, etc.) from the ration shops. But if that ration card will be lost then owner of that card need to make new one and that takes a lot of time instead of that we can do all the things by using website and plus point is using this web application we can do the online secure transactions as well. This will help to make digitalization process and helps to reduce the corruption.*

Keywords: Ration Distribution System

I. INTRODUCTION

The project "Web Application for Ration Distribution System" is an innovative solution for the digital transaction in ration distribution. The idea is totally innovative and will be helpful for making the task of distribution easy. This system will overcome most of the issues in the existing system. This application is going to help the common people and the retailer for the purpose of transparency in money transaction. The user will simply register on the website and then can easily get logged in with valid credentials for the next usage. Based on the registration details already provided by user, the total payment will be displayed on the screen and user will get a QR code for paying the required amount as per the calculations.

1.1 Problem Statement Description

In our country, the current rationing system has many problems. There are many flaws such as:

- Crowding at the ration distribution centers.
- Corruption by the distributors.
- Most of the times the way of transaction is cash.
- Problem of change in cash transaction.
- Difficulties in maintaining the records of payment transaction

1.2 Proposed Solution

By considering all the flaws in the current ration distribution system, the solution we have is "Web Application for Ration Distribution System". It is the most reliable solution for making the rationing payment transactions online. It will help to overcome the flaws mentioned above from the current rationing system. We are planning to design a web application which will have two login interfaces. There will be separate authorization for the retailer(distributor) and customer. The distributor can log in for the purpose of checking the records of transactions that are made by the customer. Also, he can set the deadlines of dates for transactions to make for that current month only. The customer also can register themselves once and after that they can make the secured payment online by getting logged in with appropriate credentials. The customer will also get to know the other information like the type of grains that they are going to receive for the given month, the deadlines of distribution and the total amount required to be transferred.

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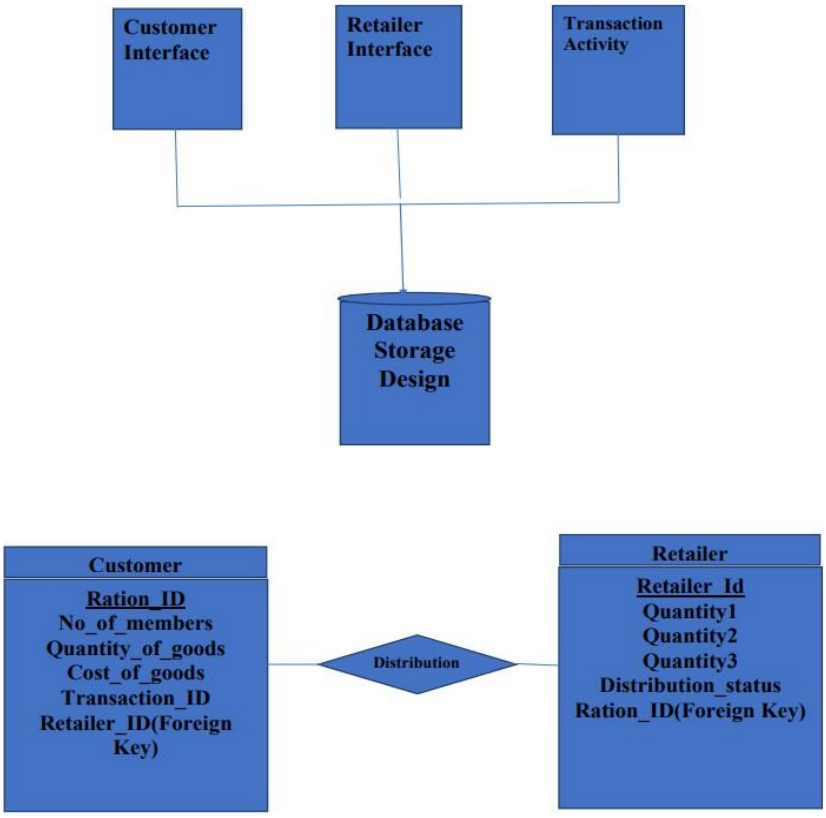
II. DESIGN AND IMPLEMENTATION

In this phase of designing & implementing, we have done our project's aesthetic view, layout, proper designing. In this phase, we are going to design the front-end part of our application where there are some webpages which are like login page for retailer, log in page for user/customer, home page, about us page, contact page etc. Also, for back-end purpose, we are going to design different log in and registration forms by using PHP which is one of the most widely used server scripting language.

Database connectivity is also required as the data about the customer as well as the retailer needs to be stored properly and in securely. Design of transaction activity is really a going to be the most difficult part of this entire project. Because we all are known about the consequences of the digital transaction activity. Proper network connectivity provision must be there in the transaction activity

2.1 Block Diagram and E-R Model



Output

Globalisation is nothing but the sheer reality of our, at least my, day-to-day life. While Shelly vociferated the plaintive inability of the mighty Ozymandias to brave the ravages of time, the magic wand of globalisation is now taming both space and time. To say the least, globalisation is behind my journey from Thiruvananthapuram to Delhi, just within a matter of three hours. With me waking up to a hubbub of K-Pop and my friend, on his lap, watching Hollywood every day, globalisation is not just limited to a bunch of theories and the words of an army of scholars, but the veritable reality that we are going through. With the outlets of McDonald's, Starbucks, Tim Hortons, Subway, Dominos, KFC, Levi's', Fastrack, Adidas, Dunkin's, and many others of its kind in my small *Kamla Nagar*, the forces of globalisation are on the horizon. To say the least, me coming to college in T-shirt and jeans, talking to my British friend over WhatsApp, and the availability of *chow mein* and *idli* in the college canteen is no longer a big game, but part of a bigger reality. In other words, globalisation is a "reality".

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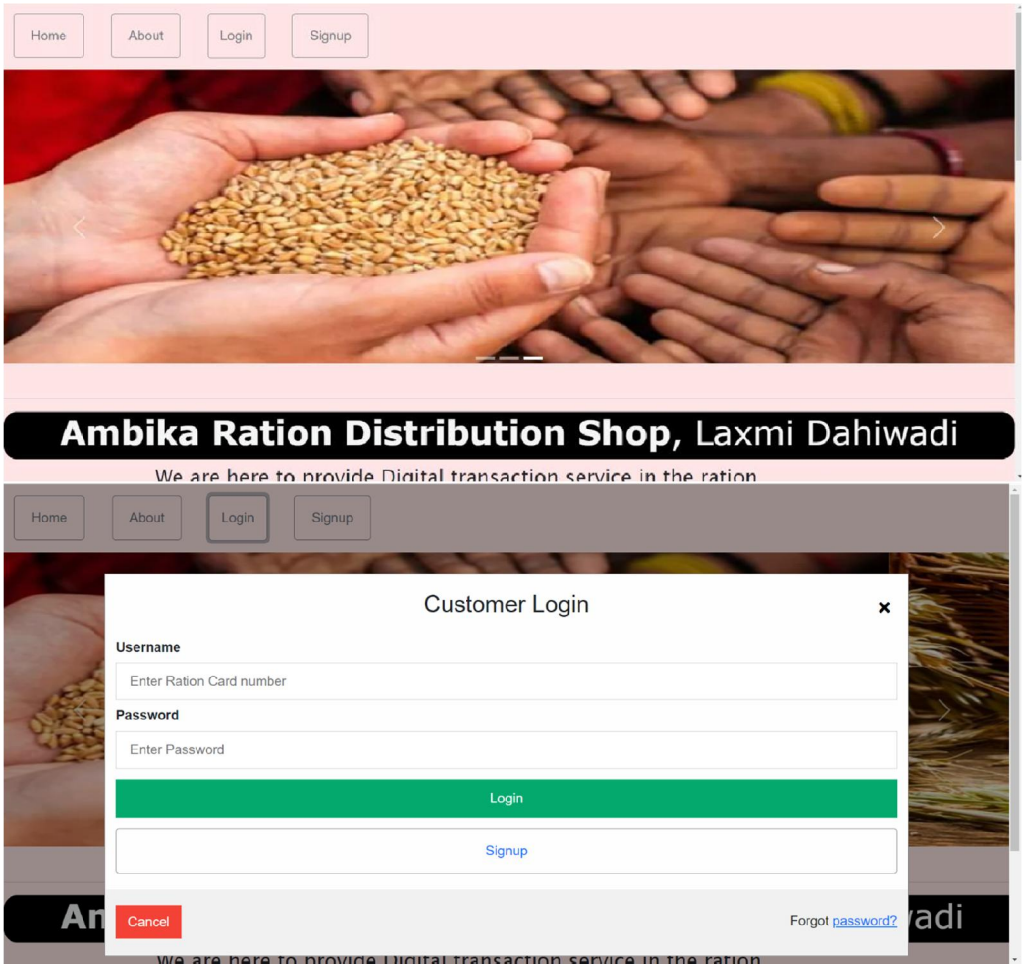

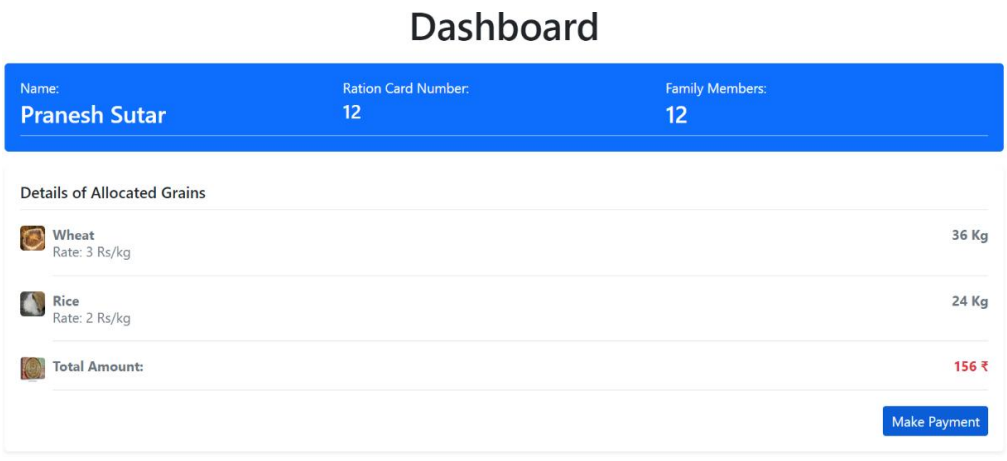

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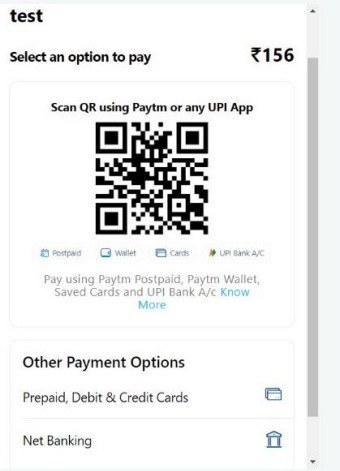

III. CONCLUSION

We have implemented the online payment system for ration distribution with the we application. This web application can be used over the internet to make the digital payment process easier. This web application helps in many ways to overcome the problems those are there in the existing system.

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