

E-RATION CARD MANAGMENT SYSTEM

A BMC REPORT

Submitted by

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2020 - 2021

Alpha college of engineering and technology, Gandhinagar

Department of computer and engineering 2020-2021



CERTIFICATE

Date:

This is to certify that the Project entitled “**E-RATION CARD MANAGEMENT SYSTEM**” has been carried out by **JENSHI PATEL (170510107046)** under my guidance in fulfilment of the degree of Bachelor of Engineering in **Department of Computer Engineering** 8th Semester of Gujarat Technological University, Ahmedabad during the academic year 2020-21.

Internal Guide

Prof. AjayKumar T. Shah

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ABSTRACT

Ration Card is one of the most important documents .The Indian ration card provides food for the poor people which is distributed by the government along with the fuel. It provides a distinct identity of person which is useful to update with the government record. The network of the ration shops is spread all over in India to provide food security to the people. This distribution of food and fuel is fully controlled by the government. But it has so many limitations. Most of the ration shopkeepers keep fake ration cards with them. The dealer then does not provide ration items to the customers. Many times people are not aware that the items have arrived in the shop. The dealer then sells these items in increased rates in the market. In this way, in the current situation we are facing problem due to lack in transparency. There is no such good system yet developed through which government gets message of usage of grains by the people. So government meets money loss, time and cost. This reason we develop a web application for the E-ration card management system. It is one of the most important documents which acts as identity proof for any individual. In this application if people are not having their own Ration card they can also apply for the ration card also they can apply for cancel ration card, separate ration card, adding name in ration card, remove name from ration card, change in ration card, view ration card detail etc. The process to apply for ration card has been facilitated to great extent but in this application this process is online which comes as blessing for the applicants who hate standing for long time in queues for filling the application form and then go to the office again to know the status. For the transparency we have added finger print sensor to add customer purchased product details in the database.

CHAPTER: 1

INTRODUCTION

1.1 PROJECT SUMMARY

The proposed system is web application which is built in python. It provide the candidate to register their new ration card. All customer can login and view their ration card detail. Also they can apply for cancel ration card, separate ration card, add name in ration card, remove name in ration card, change detail in ration card etc.

Shopkeeper has authority to add customer buying item in their ration card. Also they can update daily selling item record. Food supply officer can view data and update data of supplying food in the shop.

PURPOSE

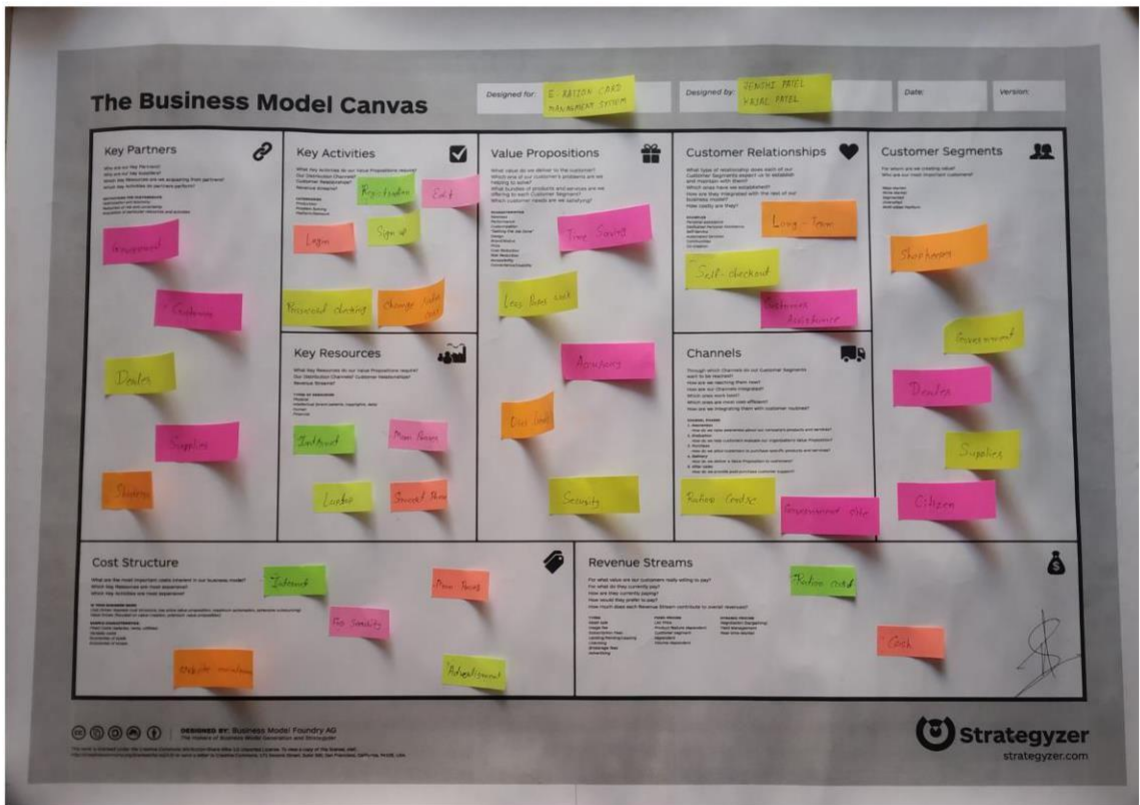
Main purpose of this web application is reduce corruption, reduce paper work. In current system corruption will increase day by day so this reason we can add fingerprint sensor or password for transparency and security purpose. Also customer do not take ra tion in other state for this reason we link Aadhar card so people easily take ration in other state.

1.2 SCOPE

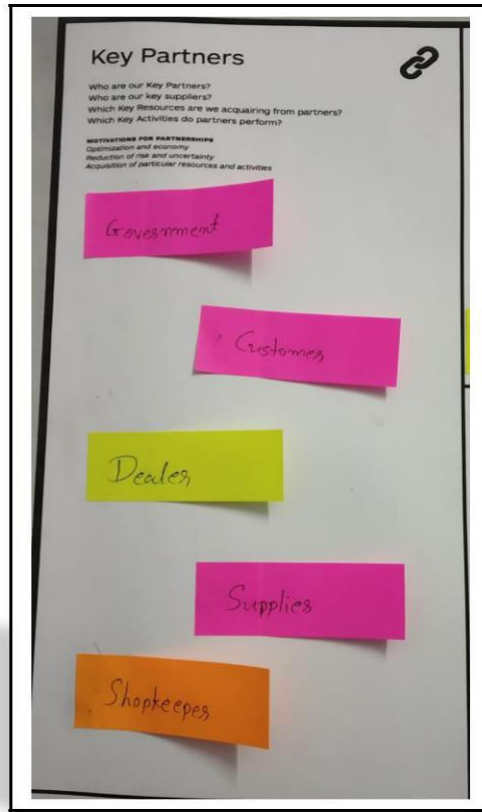
This E-ration card management system is specially created for the customer, shopkeeper and food supply officer. The customer view their ration card detail and check current ration price. This stem will be designed for transparency purpose. There are three basic users: customer, shopkeeper, food supply officer.

- Customer can register with this application
- Shopkeeper has authority to add data of buying item of customer
- Also they can update their daily selling data
- Food supply officer view all data and update supplying ration item to the shopkeeper

BUSINESS MODEL CANVAS



2.1 Key Partners



Government: Government use this application for their own work and record.

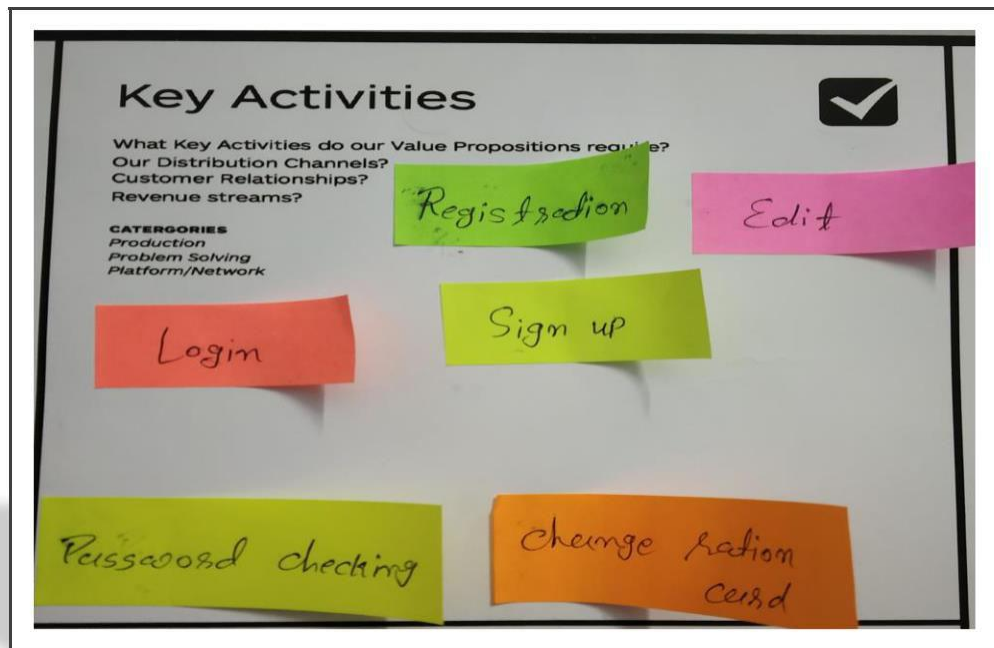
Customer: Customer use this application for their ration card related works as well as to show a data of their buying items details.

Dealer: Dealer use this application to show their data.

Supplier: Supplier use this application to show data of their supply items.

Shopkeeper: Shopkeeper use this application to add data of customer buying items.

2.2 Key Activities:

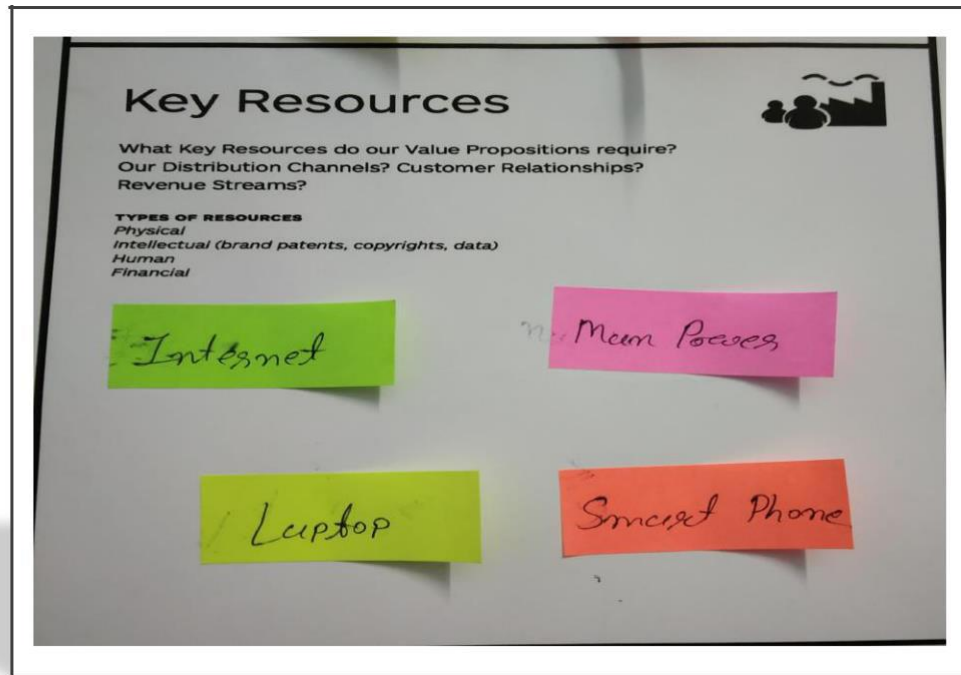


Registration: All the user compulsory register their self to access the application.

Login: All the user login to access their profile, show the price of the ration item, apply for new ration card, cancel ration card, add name in ration card, change ration card details, separate ration card etc.

Edit: To edit their ration profile.

2.3 Key Resources:



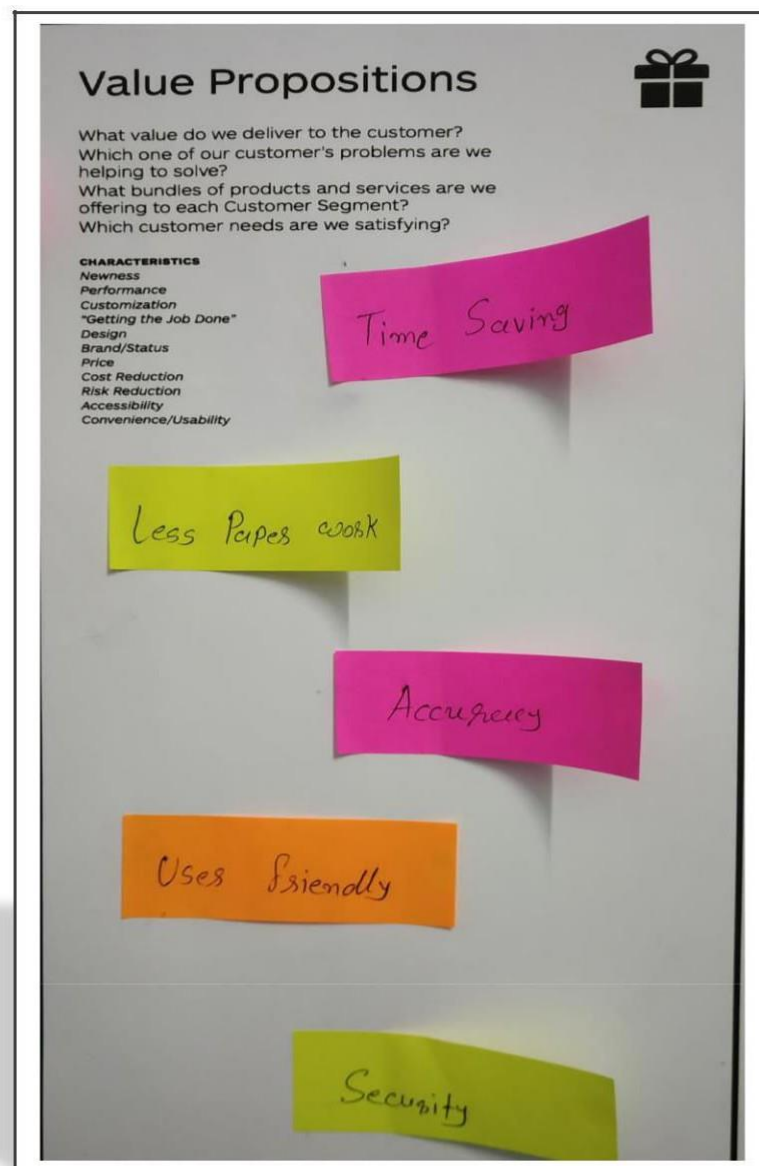
Internet: To add data as well as to show web site we use internet as a resources.

Laptop: shopkeeper of ration shop use this device to add buying data of customer in customer account.

Smart Phone: All the see the web site on their phone also. Like in laptop and pc.

Man power: Government hire some staff to operate this system and also to add customer buying data in the system.

2.4 Value Propositions:



Time saving: All the people apply their ration related application through this application due to this all the people save their time.

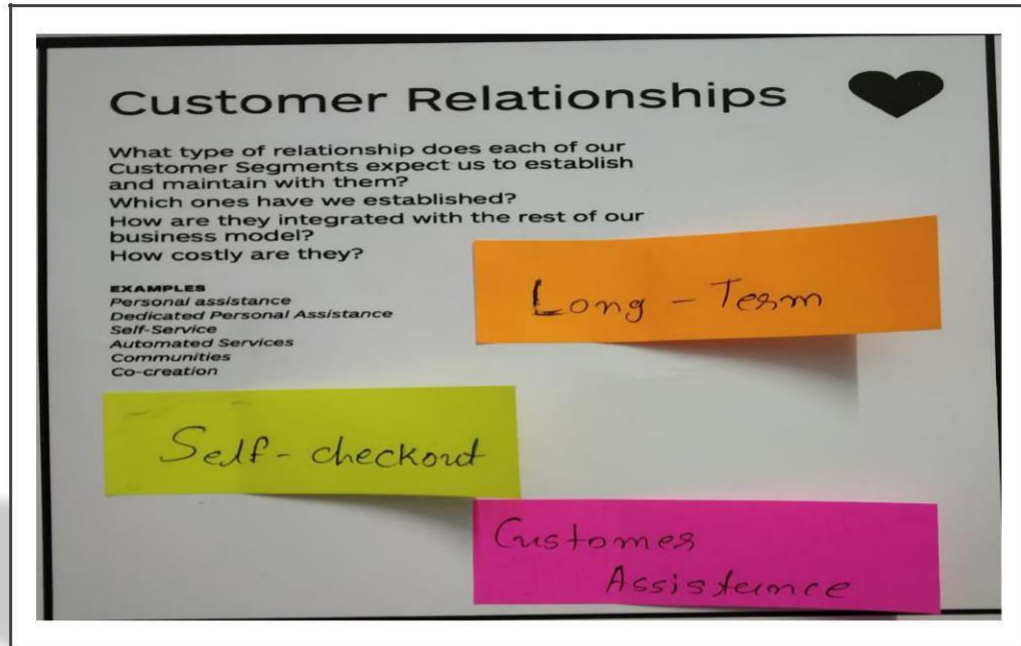
Less paper work: online system reduce the paper work as well as the data can be store for long time period.

Accuracy: Accuracy level is much higher than the offline system.

User friendly: we can say that this application is user friendly because this application help the user also they easily manage the user activity.

Security: In this system we add password system so the corruption can be reduce also all the data of user is secure.

2.5 Customer Relationship:

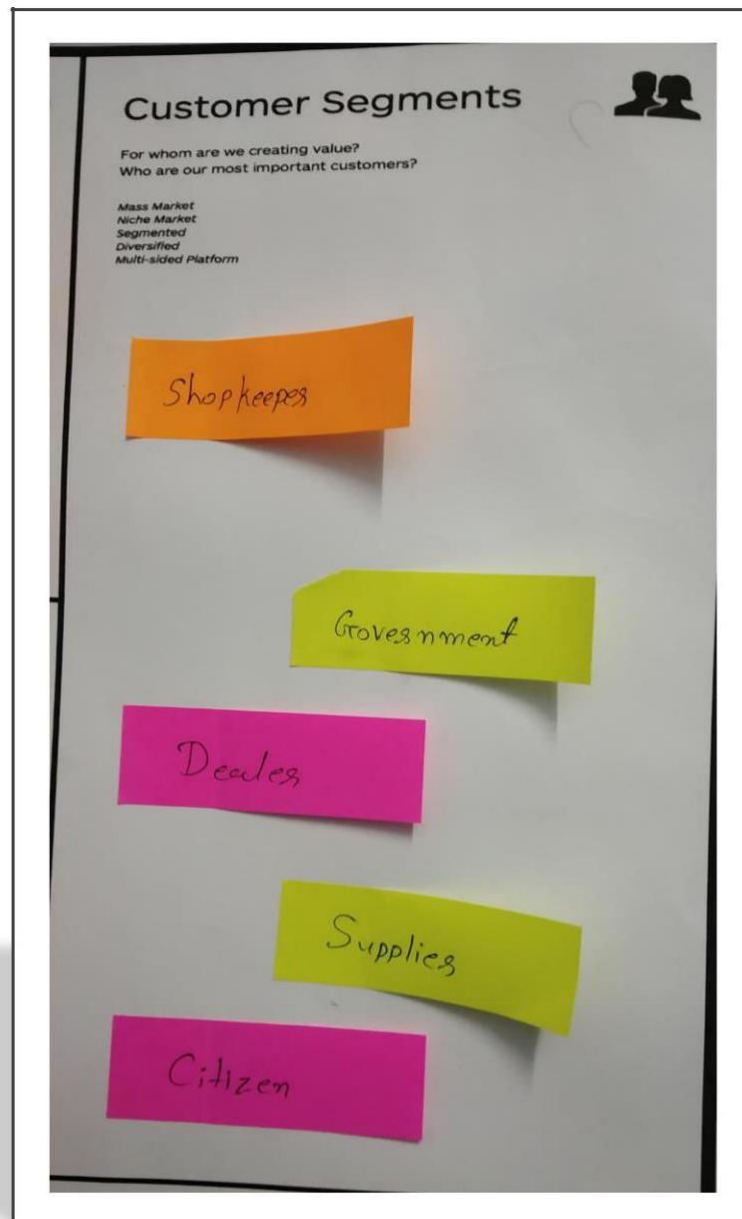


Long-Term: Customer has connect with this application for very long term because it is easy to use and access.

Self-checkout: All the user logout with their own choice.

Customer Assistance: This application is made in best manner so all the user do not have difficulty to access it.

2.6 Customer Segments:



Shopkeeper: Shopkeeper add customer buying items data in the system.

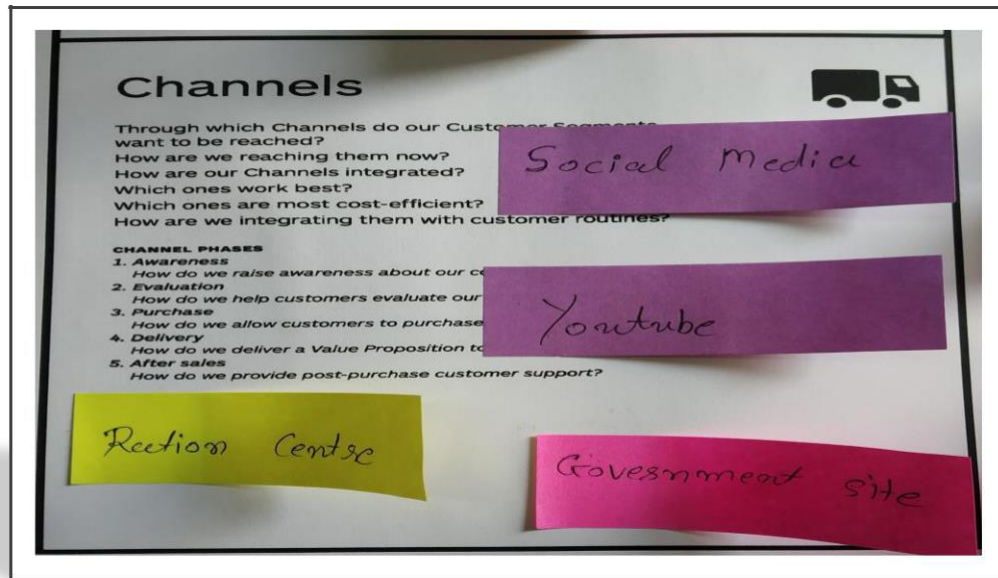
Government: Government use this system to make their work easy also for long term data record.

Dealer: Use to see the data of ration.

Supplier: supplier use this application to show a data of their supply.

Citizen: All the citizen of country use this application to show a data and use this application for doing ration related work.

2.7 Channels:



Social Media: Social is now the best place to reach out more and more peoples in very less time.

YouTube: YouTube is the best place for latest video update and user review regarding products.

Raton centre: It is a best place to introduce our online system to the user.

Government site: In a day lots of people visited any government site so we do our advertisement their due to this many people aware about this system.

2.8 Cost Structure:



Internet: Internet is basic necessity for this application.

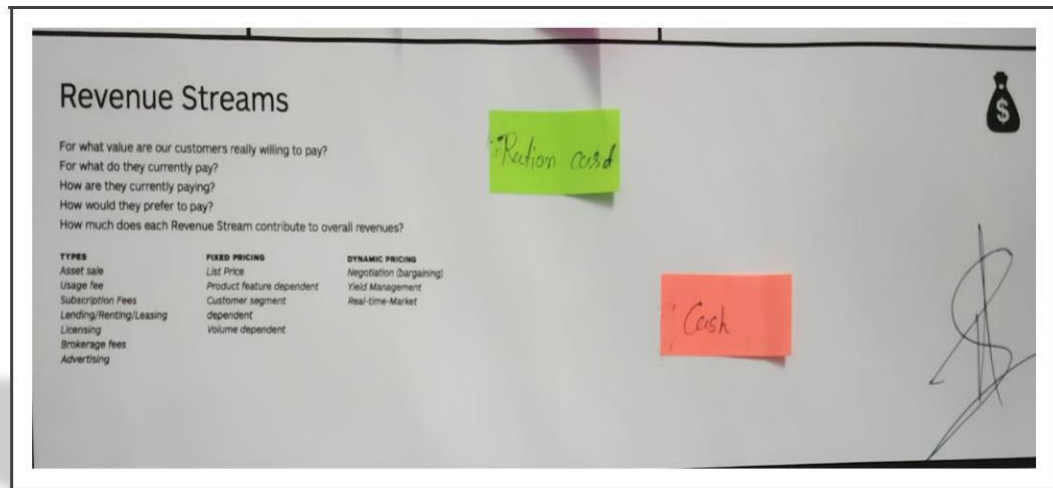
Man power: To operate this offline system government need some staff.

For security: To maintain the security.

Website maintenance: to maintain the website also government should pay some charges to update the technology.

Advertisement: To introduce this online system to the people government should advertise this application at everywhere.

2.9 Revenue Streams:



Ration card: to buy a ration from the ration shop all the user can show their ration card to the shopkeeper.

Cash: All the user pay some money to buy the ration from the ration shop.