Ration Distribution System is an Indian food security system which is established by the Government of India under Ministry of Consumer Affairs, Food and managed jointly with the State governments of India. The main aim of this system is to provide rationed essential commodities to Indian citizens especially to poor and middle class people. There are so many disadvantages in today’s distribution system, especially during this pandemic. All these happen because most of the job in the ration shop involves manual work and there are no specific high-tech technologies to automate the job. People rush to the ration shop during the beginning of every month. In current situation it is not encouraged to make up a crowd and letting the people to wait for 3-4 hours to get the grocery items. .So our app is designed in such a way to support social distancing and to avoid crowd gathering among public and ease the distribution of goods by implementing the following features in Android platform .

1. The mobile application will be provided with the databases ( the details of each and every valid ration card holders ) of all ration shops . A particular date and time will be auto generated for each and every card holder and this information will be updated in the app as well as text message to the corresponding card holder and they are asked to come accordingly. If they failed to buy in the allotted slot, then the second slot will be generated.
2. Once the stock for a particular shop arrives, a notification message will be sent to the registered mobile numbers of all card holders. A Card holder can also check the availability of the products from his/her mobile application.
3. The main drawback in the current system is many retail shopkeepers have large number of bogus cards to sell the food grains in the open market. To avoid this, all the details regarding the grocery items will be updated in this application on daily basis using the card details .
4. In this application the card holders can easily pay through online modes (like Paytm).
5. Details such as Shop opening and closing time, holidays, every ration shop’s geo location with full address.
6. E-forum for new ration card application and for any updation in the ration card.
7. The grocery items purchased by the people will be updated in the app .People can check the particular details by entering their card details. They can also get the month wise data along with date and time of purchase.
8. The receipt for the grocery items purchased along with the price details will be sent as text message and also available online.
9. Complaint forum will be available for customer complaints.

**TEAM MEMBERS**

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