Original Idea

Every year, over 40% of the total food produced in India is wasted, costing roughly around One Lakh Crore Rupees. While this is not only a major resource allocation problem but also many of the individual food suppliers and restaurants are affected causing them to incur heavy losses in terms of raw and processed food supplies.

While the idea of donating unused food to respective NGOs seems plausible & ideal, it is not practically feasible for small-scale businesses to do so.

What if those businesses are provided a platform where they could not only get away with their unused/left food but also earn a profit out of it?

We intend to solve these problems by proposing two simple solutions: -

- Food items which gets expired are of no use to anyone, they eventually end up being dumped. Supermarket/grocery store owners suffer a great loss in terms of these expired products. Through our platform, the shopkeepers would be able to sell products whose expiry dates are approaching at a discounted rate which would otherwise go waste. Our platform would connect these local shopkeepers/vendors with people in the locality. Through our app, the shopkeepers can post such discount offers so that people living in the locality gets notified and buy the listed products at a discounted price. This not only prevents the food supplies from getting wasted but also help shopkeepers to minimize their losses and help people to buy things at a cheaper rate.

- Every day restaurants are forced to dump a considerable amount of processed food which is left unutilized by the end of the day. Through our platform, we can connect customers to nearby restaurants a few hours before they close, for meals at a discounted rate. Customers can provide their location and explore nearby deals, and they pick up their order at a time specified by the restaurant. This would not only help restaurants prevent food items from getting wasted but would also help them earn from the food which else would get wasted. It will also allow economically backward people and students to get better food.

technology stack

frontend-Android Studio
Backend- MySQL, PHP, and Firebase

Workflow
Since our app is basically a platform which connects 2 groups, first the shopkeeper &
the restaurant-owner and second the consumer.
The App would have 2 sides of operations-

1) Consumer Side – It is for normal people or the consumer. In this mode, the
consumer would be able to see all the discounts offered by different grocery and
restaurants owners of their locality. Using Google Maps, the app would also display
the shortest path between the consumer's real-time location (which would be tracked
using GPS) and restaurant or the shop that he intends to visit.

2) Merchant Side - It is for the shopkeeper and the restaurant's owner. The Owner
would be required to fill in their credentials along with an online form in which he
would mention the details of the discount offer they want to make and on which
items. These details would be updated on the database kept on the main server which
would eventually be reflected the consumer.

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MERCHANT                          CONSUMER


DATA OF                            RELEVANT DATA
DISCOUNT OFFERS                    SENT TO THE
FROM MERCHANT SIDE                 CUSTOMER

              DATABASE
              ON MAIN
              SRERVER
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