SKILLENZA

Innovate to create delivery delight!

TEAM NAME : SPARKLERS

ROLES:
1. JAYASURYA J- Idea manipulation and Research sector
2. JANASRUTHI S U - Backend Development
3. HARIPRIYA L - Frontend Development

THE PROBLEM STATEMENT:

2. Need for Speed - Most Wanted!

We get our food in 30 mins, but have to wait for a 90 mins slot to get our groceries, and a day or more for our Amazon/ Flipkart shipments. Things shouldn't be that unfair! . Research and develop a POC which enables as quick as 15 min grocery delivery and same day ecommerce delivery at scale.

Side notes -

- Can AI play a role here by predictively analysing the customer order patterns? Can a grocery order be auto-triggered?
- Can Kiranas play a role in quicker deliveries? If yes, how can it work at scale?
- In Tier-1 cities, our societies are now digitised, courtesy the likes of Mygate. Can this prove to be a fundamental block in achieving higher speed of deliveries? (Relay deliveries)

TECHNOLOGY PLANNED TO IMPLEMENT:

Programming Language :
- Java
- JavaScript

Web Servers :
- Amazon AWS

Frameworks:
- Bootstrap

Database :
- Mysql

APPROACH TO SOLVE A PROBLEM:

AIM:

As the time moves faster and the world becomes more innovative, the need for speed is the most wanted criteria, as mentioned in the above problem statement. To approach this problem, the target is the stakeholders and the customers who avail this application. Here, in-present condition of today's world, most of the people are buying groceries, mobiles, home appliances, furniture, electronics,beauty care products, food and more categories of products through online shopping. People live in cities, towns, and even in villages, here comes the question of "*Do they receive their ordered groceries/products/food without time delay or in a shorter time of 15 mins?*", the answer is sometimes yes and sometimes no.

In case of no, instead of waiting in a queue or making a place an unhygienic one by forming a crowd without maintaining a social distance and unwearing of masks, creates a great threat among the people. So, here we are going to build an Application where we collect the details of nearby shops under various categories and maintain a delivery system with the help of Google map services.

INNOVATE:

We can develop an e-commerce application that creates a platform between kirana shop owners and the customers, where we can buy groceries online and it will be delivered to the customers within 10-15 minutes. The application can be developed with the help of front end tools/frameworks to receive the details of the customers such as address, mobile number, location (To filter shops which is in the radius of 5-10km), groceries needed to be purchased and the items to get ordered and the total bill amount whereas in the backend, database connection is made to receive the ordered items/products with the respective customer details and to update
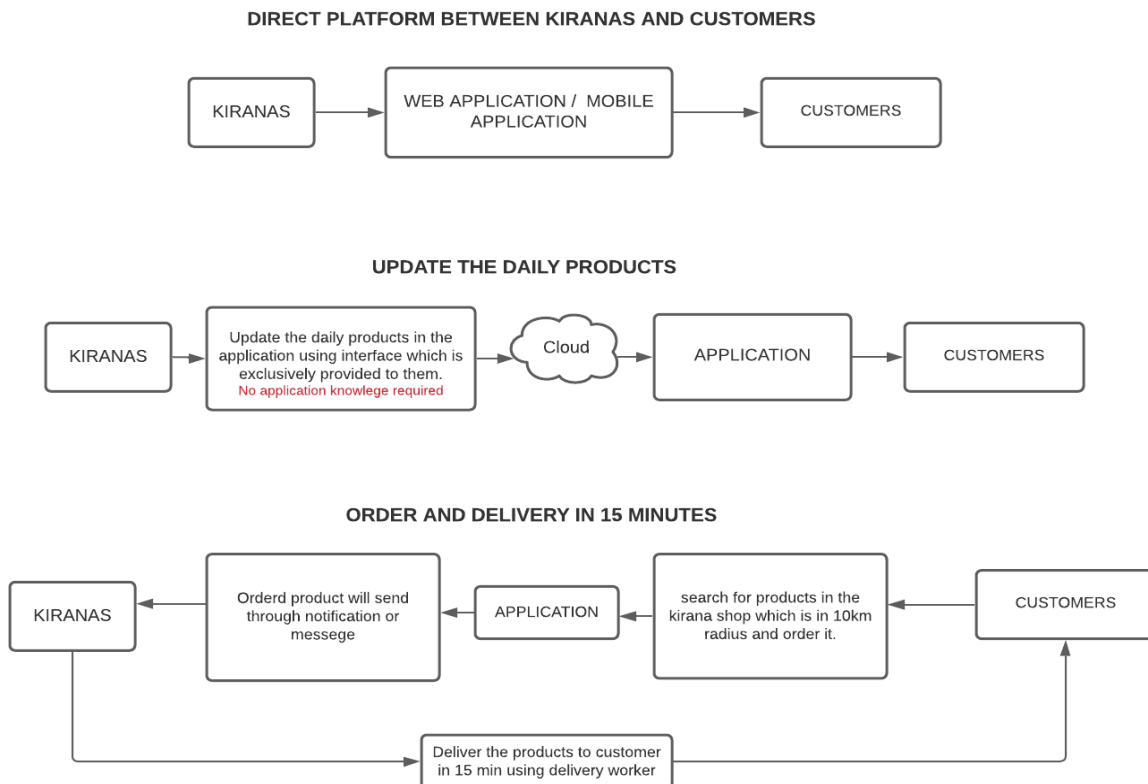
the products daily. At the next step, based on the customers address, the shop which is nearby, will be viewed to them along with the product availability and this can be done by using a backend connected with the Google map services.

A question arises that why we should use this platform, we can easily buy groceries by just visiting the kirana shop which is near us. It will also take around 15 min, to answer this question. We all know what happens in the covid pandemic. Many popular e-commerce websites have stopped the services. In this case kirana shops are the only way to buy the groceries at that time but due to the crowd in the shop it becomes so challenging to buy the groceries. So this is the main reason why we propose this idea.
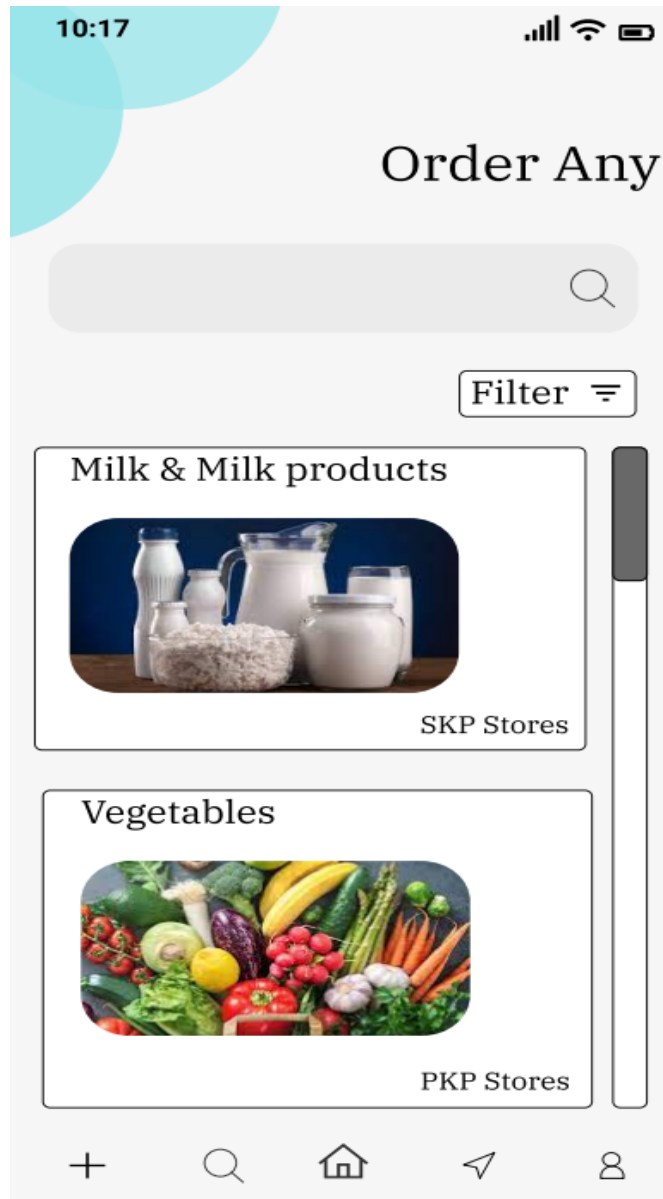
CONCLUDE:

"Speed delivery at your doorstep". People buying their groceries online is preferred nowadays to avoid the crowd and to maintain the social norms, and this approach helps people even in the villages and all by having the shops around 2 kilometers or nearby.

FLOW CHART:

DIRECT PLATFORM BETWEEN KIRANAS AND CUSTOMERS

KIRANAS → WEB APPLICATION / MOBILE APPLICATION → CUSTOMERS

UPDATE THE DAILY PRODUCTS

KIRANAS → Update the daily products in the application using interface which is exclusively provided to them. No application knowlege required → Cloud → APPLICATION → CUSTOMERS

ORDER AND DELIVERY IN 15 MINUTES

CUSTOMERS → search for products in the kirana shop which is in 10km radius and order it. → APPLICATION → Orderd product will send through notification or messege → KIRANAS

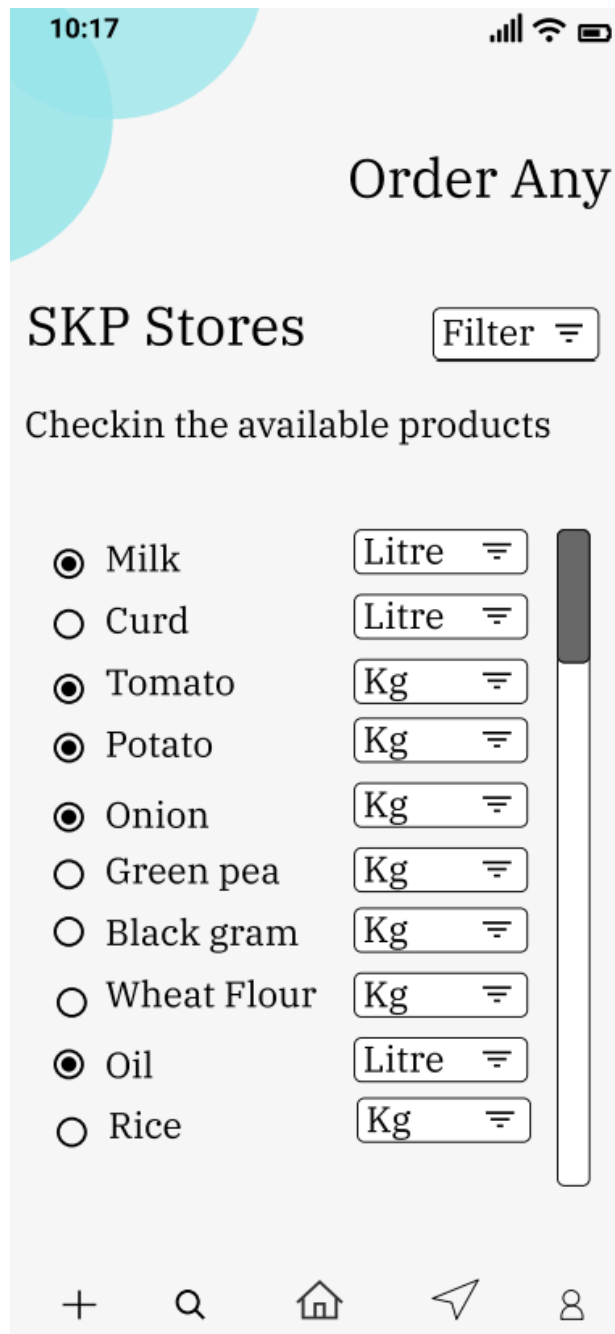Deliver the products to customer in 15 min using delivery worker

SAMPLE UI DESIGN :

This is the *sample Customer side* UI design, here using the filter option we can filter the products and the main thing is we can filter the radius like 1-10 km radius shops. And the dealers (Kiranas) are displayed in the bottom right corner, which helps the user to identify the dealers.

10:17

Order Any

SKP Stores

Filter ≡

Checkin the available products

- ⊙ Milk   Litre ≡
- ○ Curd   Litre ≡
- ⊙ Tomato   Kg ≡
- ⊙ Potato   Kg ≡
- ⊙ Onion   Kg ≡
- ○ Green pea   Kg ≡
- ○ Black gram   Kg ≡
- ○ Wheat Flour   Kg ≡
- ⊙ Oil   Litre ≡
- ○ Rice   Kg ≡

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This is *the sample dealer side* UI design here the dealer can update the groceries on the daily basis or hourly basis upto their wish.