Homemart

by Klowoothtipat Thanyapart, Mohana Saraf, Eren Kanbak, Wu Ziyue

A collective grocery shopping app for residents of a society / apartment

An app/interface to enable individual apartment residents make a list of grocery and medicinal items they require from the supermarket/ drug store and add it to the application.

The resident owners can voluntarily (one by one) take turns and pick up all the required items from the nearest supermarket and distribute the shopping bags to the residents. The app can facilitate cross-checking of the items after the shopping and calculating individual bills based on discounts received due to bulk buying. The payment can be made directly via the app to the person who brought the products.

An extension of the same app could be to partner with delivery companies where once the list is created an advance payment of estimated amount is payed by residents based on their individual lists and the supermarket keeps the shopping bags ready which the delivery person can collect and deliver directly to the apartment. Integrating with the existing supermarket apps will allow adding the exact item (brand, type or any specific details) to the list.

Also, during such an emergency like this we are unable to meet new people or our family members who live far away. But such times has open up a door to connect with our neighbours and build relations.

WHOM IS IT FOR?

Main Users:

Citizens / Apartment Owners: People who are the end users using the service

Volunteer: Who goes for shopping based on the lists

OR

Supermarket Owners and Staff: Preparing the items in the shopping list

Delivery Person: Who delivers to the apartments

WHY IS IT RELEVANT?

Some of the key points that we wanted to solve with this solution are:

- **Restricting movement** of so many people (who regularly goes to buy groceries)
- Individual orders can be clubbed into a single (existing delivery systems they usually cater to 1-2 order at a time)
- Its also a way in which we can help the **elderly people**/or people who are in general at a higher risk around us.
- Another added advantage is when orders are placed in bulk the discount options are better and thus everyone profits from it.

WHAT IS NEEDED TO IMPLEMENT THE IDEA?

Please list the technological components needed to develop and implement your idea , e.g..:

For development we will require:
- Different web apps for different stakeholders
- Google Map Apis
- Integration with the **supermarket existing apps** for **availability** of products / prices
- For supermarkets that do not have an existing app (case of some countries) - a **machine learning model** to automatically **recognise items on the lists** and match them to the **store inventory** - and in future searches by users **suggest** the similar names

WHO CAN CONTRIBUTE?

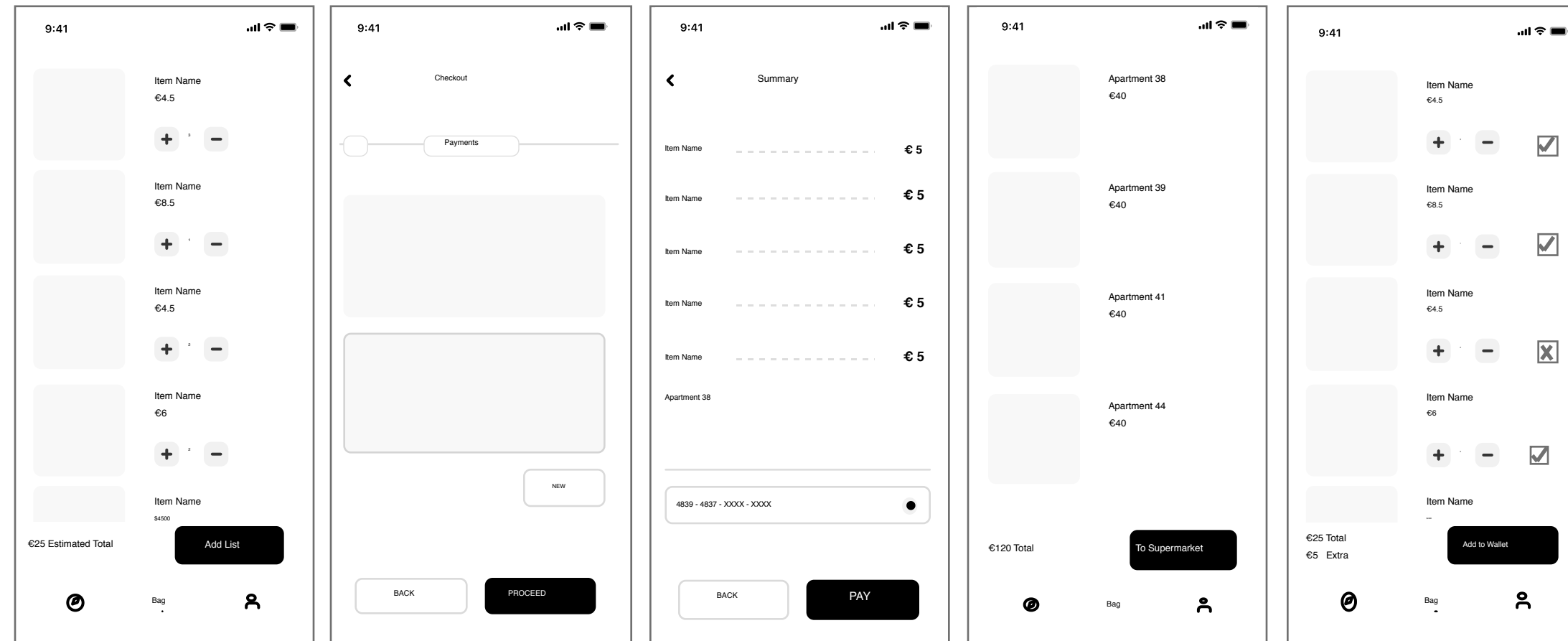Please list the competences needed to develop and implement the idea, as well as potentail partens, e.g.:

- UI/UX Designers
- Volunteers initially to help setup the system in buildings and explaining to the residents
- Mobile App developers
Partners:
- Supermarket Owners
- Apartment condominium
- Delivery Services
- Payment Gateways

Title

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1. Wireframes for a simple shopping app for individual apartment or society

2. Compiled List of all the individual residents

3. Cross check the list during collection and get a return to wallet for extra money paid or if some items from the list were not available.

SYSTEM DIAGRAM