G-Kart

G-kart, an android app, allow the users to build a shopping list of groceries by scanning barcodes to shop from home. This prototype is developed in Andriod. It could be extended to other platforms such as BB, iOS and Win.

Use case:

Consider, Susan goes to super market for a monthly grocery purchase. Imagine how difficult it is to push the wheels to every row of the items, pick it up, wait in the long queue, bill them, get a taxi, and load all the groceries into the taxi, reach home in heavy traffic… **huh! Never ending is it?**

How about, Susan, from home using her smart phone just scanning bar code of the grocery items adding to the cart, making payment from home (cash on delivery) and getting the groceries delivered to home? Sounds great isn't it?

Yes, it is **G-Kart** that solves all the aforementioned challenges.

Note: This concept was developed taking the Indian Retail industry as reference.

Solution:

G-Kart has a simple and sleek Android Design. Once the user downloads G-Kart, the mobile number of the user is automatically registered with app. In order for the user to get the gorceries delivered at home, they would need to type in Name and Address. This is one time registration. The user need not enter the address each time unless there is a change of address. The first screen the user will encounter is as shown in Figure 1 & 2.

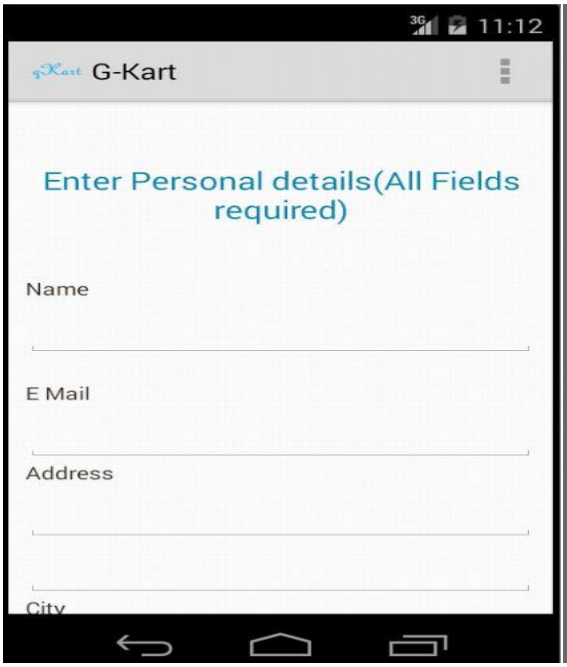

Figure 1

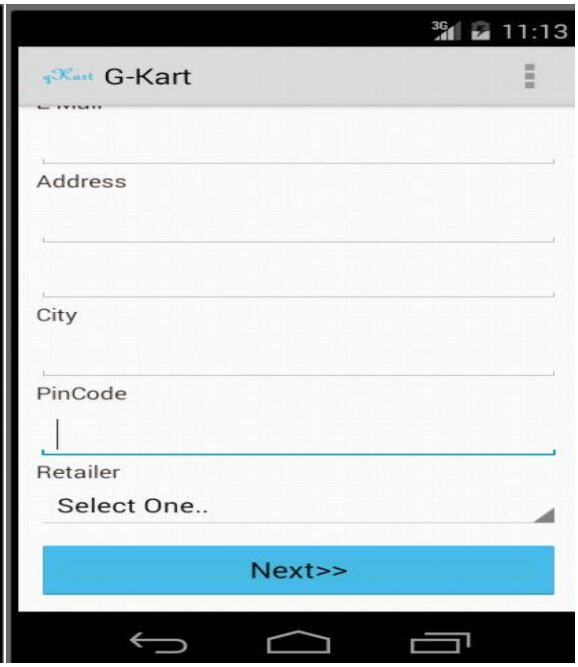

Figure 2

The user enters Name, Email and Delivery Address, City and Pin Code. Figure 2 shows 'Retailer' drop down where the user has list of super markets (Figure 3) from which they could select one.

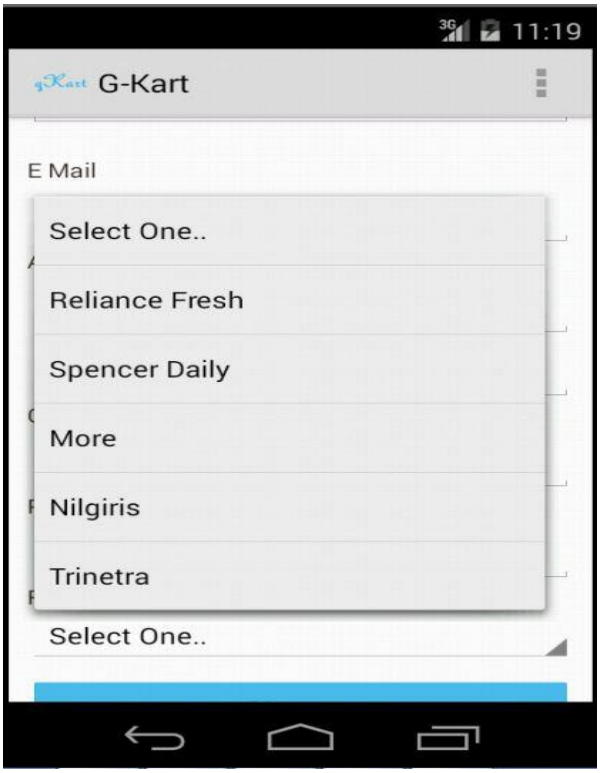

Figure 3

Next is the core screen where the user could scan the bar code of the items and add to the kart for purchase.

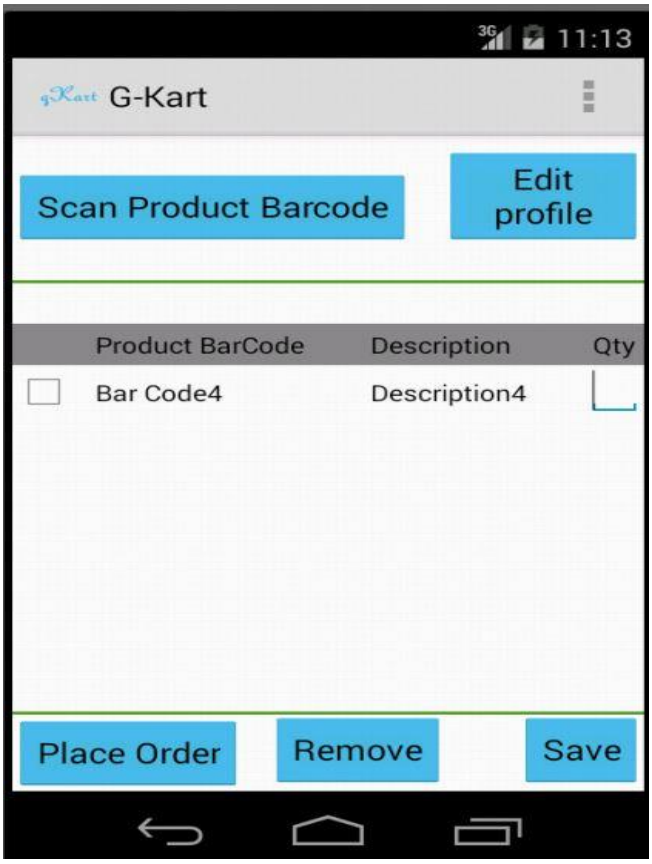

Figure 4

As the user scans he could save the selection for later purchase as well.

Challenges:

Key challenge is the bar codes are same across retailers in Indian markets. This app provides key business value when the bar codes are uniform irrespective of the retailers specific.

Development Information:

This app uses "Google ZXing" API for bar code scanning.

Prerequisites:

The bar code scanner app needs to be installed in the device for scan functionality to work (will prompt for installation if not available in device):

Google play link: https://play.google.com/store/apps/details?id=com.google.zxing.client.android

External libraries used:

Below Open source classes are used from Google ZXing API:
com.google.zxing.integration.android.IntentIntegrator.java
com.google.zxing.integration.android.IntentResult.java

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