

## shopping list-created by Guy Sela

### what the app does:

by register to the app. You can share your shopping list with other persons. Meaning that if you do shopping with another person, that person can and/delete/modified the list and that will update through all the users in real time.

### Some pictures:

1-: empty list or un register user



Figure2: login or register drawer

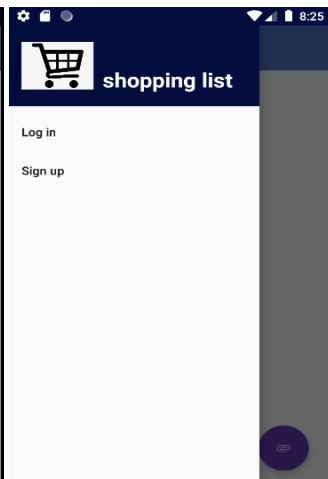


Figure3: login notification

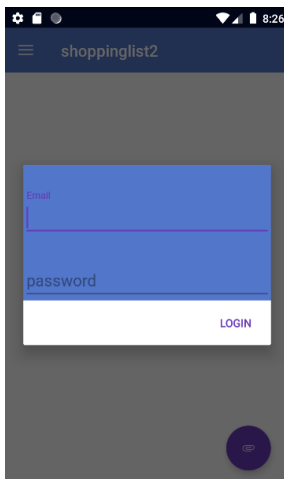


Figure4: loading the list

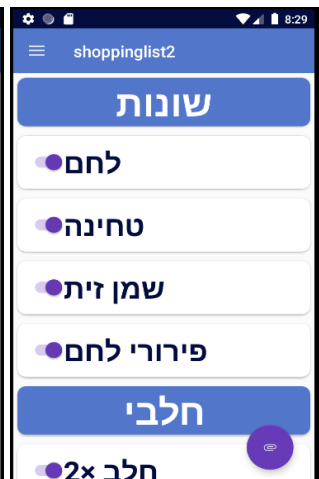
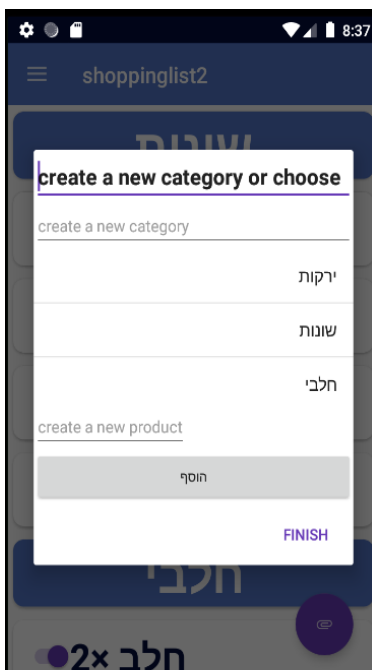


Figure 5: adding new product to the list



### This project handle with two main issue:

The first one is how to use data structure that not fit to the recycler view. I found that is more intuitive to use a hash map the iterative data structure such arraylist but that make a problem with the adapter. So I was need to fit the hash map in run time to work with method that fits to iterative structure.

The second issue is to work with data base nosql- cloud firestore. I learn this from scratch. But because the android studio support this api, that make it more easy to done. Learn from tutorial of the company how to work with this data base.