Grocery App

**Objective-** The purpose of this project is to give convenience of having all the product prices available on the hand before buying something from market. Thus creating a list of items with updated prices of products, and also calculating the expenses. It will give more productivity to its users in return and save a lot of time for the users.

**Problem Statement –** Build A Grocery App

**Problem Description -**  As we can't remember everything, users frequently forget to buy the things they want to buy. However, with the assistance of this app, you can make a list of the groceries you intend to buy so that you don't forget anything.

**Introduction -** Buying of groceries is a periodic task which has to be done on daily, weekly or monthly basis. This project helps in assisting these tasks by providing a user friendly interface to create list of items they want to buy and keep track of their purchases all within the android app.This app will calculate price of items on the basis of user input.

**Why Android? -**Android is the most widely used mobile operating system in the market, there are thousands of devices made by different vendors which are supported by different versions of Android OS, there are millions of users around the globe who uses the android platform. Other than that Android provides a lot of features through different smartphones which attract a lot of users.

Android also provides a good API (Application Programming Interface) with complete documentation, which assists when developing apps for android. So In conclusion, Android having such a large user-base and a lot of features means a lot of people will use this app and get advantages from it, that’s why I have used android to develop my application

**Scope in -**Scope of this project includes giving users the ability to make lists of products they want to buy off the market.Users can create multiple list of products on the basis of their need. Users can see their purchase history (aka expense history) such that they can keep track of what they’ve bought previously.

**Scope out -**This project doesn’t give users the ability to buy a product from a shop (online). It doesn’t include information from real bank account to create an expense history.

**Functional Requirement-**

* **Lists Creation / Deletion**: User can manage the lists they create, they can add items, remove items from a particular list at any time. Users can also delete any list they have created
* **Lists Price calculation:** Once a user creates a list, this app automatically calculates the prices of products in that list and show the sum of product prices and the number of products in that list.
* **Product Information Retrieval:** Users have the ability to search through a list of products and select the desired product.

**Non Functional Requirement**

1. Easy to use
2. Reliable
3. Robust to failure
4. Better Responsiveness

**Technology Used**

**Programming Language –** Kotlin

**Software**- Android Studio

**URL**

**GitHub URL – https://github.com/PiyushR22**

**Demo URL-https://youtu.be/4RpmalpkmQc**

**Account IDs**

**GitHub ID –** PiyushR22

**SmartInternz ID-**SB20220244283

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I would like to acknowledge that this project was completed entirely by me and not by someone else.

Signature

**piyush rajak**