

# BUYERS TO VENDORS ONLINE GROCERY SHOPPING APPLICATION\*

BY

PRINS PARDHI\*

*School of Engineering, Ajeenkya DY Patil University, Pune, India*

*princepardhi04@gmail.com*

JULANTA LEELA RACHEL J

*School of Engineering, Ajeenkya DY Patil University, Pune, India*

*julantaleelarachel@gmail.com*

## ABSTRACT

*Buyers-to-Vendors Online Grocery Shopping is an online application which is developed for buying daily needs products through mobile application in android smartphones. In fast growing world, we don't have enough time to visit supermarket for grocery shopping. Buyers-to-Vendors Online Grocery Shopping App offers online shopping platform for user for buying daily needs products and also get delivered within short time. The app has some user attracting features such as it is easy for peoples to use this application for ordering items because of its user friendly user interface. Another option is available with this application, user can do shopping directly from shop using this app. It is safe for the customer because they can avoid the travel time to buy items in night times and day times. The main motive of this application is to satisfy the customer needs. Growing technology changes the needs for the people that is the reason why the application called "Buyers-to- Vendors Online Grocery Shopping App" has been proposed.*

## KEYWORDS

Mobile Application, Shopping App, Android ,Android studio, Database.

## I. INTRODUCTION

In the online generation peoples still going to the shops and dairy to buy their daily need products and it's very difficult task because today customer can get everything at their door step within limited time that is why this application is developed where user can do online grocery products shopping and get delivered at user`s door step . As in Operating system , android is becoming more useable and popular, individuals are getting more keen on

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\* Corresponding Author

applications dependent on the Android SDK . Presently the Android system in the smart mobile phone market is turning out to be increasingly more well-known particularly. In last few years, many application has been generated because some of the development tools are providing free use to the open source .To create Android applications, there are a couple of essentials that need to satisfy. Those are Java and XML experience, and development environment such as Android Studio and Eclipse .

In this system ,the first page of application is is a home page. When the user enters the application they will be directed to home page. There are many options like type of items, place of the shops, name of the shops, and ordering buttons, submit button, logging button etc. if the user click anything they can able to see the particular page. This system is done by using android studio. This system is superior to the existing system in previously developed application the daily need products are not available in every location , if available then they take too much time to delivered. Existing system uses their own stock to deliver , the proposed system just median between the shop and the customer .

## **II . LITERATURE SURVEY**

1 .Prashar in [1] proposed that internet based shopping is the new trend. India has world's second biggest client base regarding internet utilization after China. Each one deals in online market for different products and ventures yet with regards to grocery still the significant segment of shopper deal at offline platform. Online grocery market is however at its developing stage and has caught around 40% as uncovered in a Google review, this produces an extension to consider the purchaser conduct towards the online basic food item and choose the activities which would prompt accomplishment of this market in future.

2 .Kanjer in [2] proposed that this research endeavored to understand and think about buyer inclinations across mainstream internet based shopping sites in India just as across famous online buying categories. For Flipkart and Amazon the share for Gadgets was essentially bigger.. Essentially, Goffers and Big Basket were seen to be generally Groceries-explicit as is obvious from the tracking down that a larger part of the respondents decided on both of these two sites as their favored decision for online acquisition of Groceries. Here Category-wise contrast was seen across segment classes of age groups, education and occupation . This study also additionally demonstrated almost no separation or brand relationship concerning the multi-classification shopping sites.

3 . Vijayalakshmi in [3] study find out four significant variables brand name, item details, value cognizance, general mindfulness which are the main consideration of customer through web based shopping. Internet shopping is significant assets to the significant customer buying the items. Web based shopping is more important to purchasers. Purchaser conduct buying efficient and more profited to the online applications.

4 . Jindal in [4] attempted to measure the value affectability that the client fragments may have. Cost affectability is additionally another factor that can decide the achievement of online basic food item channel. The experience with web based shopping is reasonable however, the awareness about online basic food item sites is very restricted. The perception about online channel is likewise acceptable. More than 50% believe that online shopping is as good as the local channel. The value affectability is diverse across various client fragments. The Students category is price sensitive whereas the Professionals category is more of premium kind of customers.

5 . Kaur in [5] conclude that, Most of the peoples were totally comfortable while shopping products online during Covid-19 pandemic. In most selling items category, customer prefer buying beauty care products and cleaning and housing needs products , and in non-essential category fashion products and books were the most selling goods by the customer . Amazon was the most preferred shopping sites for customer for doing shopping. The top rated concerns of respondents when shopping online during Covid-19 were that the item was dumped home before purchase and the cleaning factor. Information protection was the biggest problem for half of the respondents. The most notable payment technique assessed was cash on delivery (55%).even in the hours of social separation during Covid19. Just 43% respondents favored utilizing hard money.

6 . Joorabchi in [6] this examination result uncovers that having to deal with numerous mobile platforms is quite possibly the most difficult parts of mobile app development. .At the point when the 'same' application is created for various stages, developers right now treat the mobile application for every stage independently and manually check that the usefulness is protected across different platforms. Additionally making a reusable UI design for the application is a compromise among consistency and holding fast to every stage's guidelines. This examination likewise shows that developers need better investigation tools to quantify and screen their applications. Additionally, testing is a colossal test right now. Most developers test their mobile

applications manually. Unit testing isn't basic inside the mobile community and current testing systems don't give similar degree of help for various stages.

7 . Jung in [7] discuss the analysis about the effects of good UI design quality of mobile shopping applications have on the ease of use of the applications and the intent of users to use the applications to purchase. The results of the analyzes showed that the attributes of quality, conciseness and consistency of the representative user interface design of mobile shopping applications had a significant direct impact on usability. This study also found a significant effect of the usability of apps on user intent to use the apps for shopping. These results underscore the importance of representative user interface design. Quality, particularly in the context of mobile shopping applications, in understanding the factors affecting the usability of mobile shopping applications and the intent of users to use the applications to make purchases.

8 . Khawas in [8] features on the study about Firebase API which provided by Google and its novel highlights. This paper helps in concentrating how to utilize Firebase in the Android application as per the developer necessity. This likewise helps in making android applications quicker and effective as no PHP is needed as an outsider language to speak with the database. It furnishes a protected channel to speak with the database straightforwardly from JAVA. The investigation material depends on the information gave on the web and alluding to the models given. Google has been updating Firebase on customary premise, AdSense is the beta version of Firebase. It also can be used in to connect various cross platform .

9. Sreya in [9] proposed that Purchasers are as yet attentive about money exchanges on the web. Secure payments gateways should be set up to acquire purchaser certainty. Retailers can likewise go in for innovative techniques, for example, instant mobile payment and so forth . The study demonstrated that buyers see that web based shopping has some 'covered up charges'. Retailers should be explicit in regards to their assurance and guarantee arrangements. Additionally the powerlessness of the buyer in utilizing the feelings of touch and feel presents hazard with respect to the item bought. Thus item portrayals should be clear. Item visual data as zoom capacities; elective pictures and so on should be put on the sites to help the customer. Security approaches ought to likewise be referenced on their sites.

10 . Upadhyay in [10] examines the shopper perception towards Big Basket . As quality is a significant affecting variable, Big Basket ought to guarantee that every one of the quality boundaries like expiry date items, bundling and harmed merchandise ought to be controlled to build up the trust of shoppers. Likewise to exploit second most affecting variable is cost, Big

Basket ought to work together with greatest payment vendors to offer best cost and offers to its individuals. Additionally the advantages gave to the individuals ought to be particular on the volume of purchase to give shifted advantages and discount. Big Basket is now giving free delivery services and that too at fluctuated schedule openings however to make the delivery cycle more effective it ought to guarantee more limited holding up time and preparing delivery faculty. To break the ordinary purchasing conduct of purchasing goods month to month, Big Basket should launch deals week after week which would promote the purchasers to improve the frequency of purchase. On the off chance that we take a look at the current situation of Indian internet business area the image looks very bright.

11 . Singh in [11] shows that Mobile commerce is the expansion of web based business. It works inside a cell phone utilizing a portable organization foundation. M-commerce is a rising innovation like an online business. It has various issues and worries with them. Nowadays everyone is occupied in their life and they need set aside the time and cash. M-commerce is innovation is truly reasonable for saving time since individuals would not head outside and utilizing advanced cell and do numerous works like exchange ,deal buy and so on . In any case, presently a day's kin deal with numerous issues in completely selection of this innovation in light of the fact that there are loads of issues.. The issues can eliminate by the accompanying a few stages by individuals, government and business techniques. There are a lot to be worked from the public authority surface and supplier side to make m- commerce a triumph by finding a way fundamental ways to upgrade these development factors like building of infrastructure to internet connectivity, give awareness and taught more individuals for English language, diminish Cost of Wireless Connection, give security and wellbeing on cell phones. Fate of Smartphones are everywhere and people groups will utilize mobile, and developers are continually update m-commerce technology step by step as per clients need . Obviously, online advertisers are authority their eyes open for the most recent headways in m-commerce.

### **III . PROPOSED MODEL**

The system is based on client-server architecture where customer act as clients. All data regarding customer information and store notification is stored in an online database server .

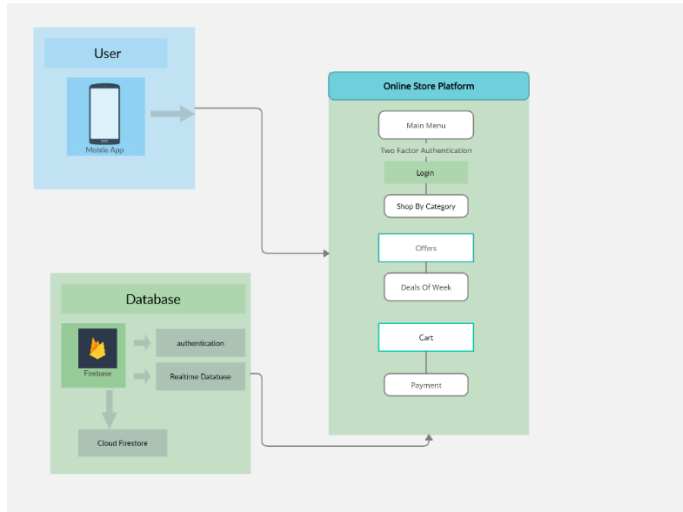


Figure 1 Architecture Of System

It is common that the online shopping system is seen as a form of mobile commerce where customers can buy products or services directly from the help of smartphone. The use of the Internet has become an integral part of people's daily lives, and companies are realizing that the Internet can be a shopping channel to reach current and potential customers. With this consensus to investigate the problems faced by customers through the traditional way of shopping (manual system), with respect to my project, I implemented the app for improvement of shopping of grocery products, the app is designed using android studio and firebase for database management. In this project, the main aim is to demonstrate a better interactive feature in an M-commerce shopping app.

Basically the proposed application is new approach of shopping grocery item and daily needs product without any hazard with the help of easy and simple application. This application is for the customer who can order the necessary need of daily life. The idea behind "Buyers To Vendors Online Grocery Shopping App" is, it connect with customer's nearby shops and provide fast delivery of items at customer's location. Customer has to create their account on "Buyers To Vendors Online Grocery Shopping App" app, through this account the customer will be able to do shopping. The app provide facility such as product description, shopping cart, reviews, shopping history and saved addresses.

The internet shopping application assumes an imperative part as it is intended for comfort and straightforwardness. Rather than clients looking out for a line (long queue) in stores, clients may shop from home just by utilizing an application on their smartphone. Online shopping is also

rewarding and convenient, numerous applications offers extraordinary deals a, such application make shopping an issue – free and good experience.

Mobile commerce has enormously impacted the typical living of the clients who can't figure out how to purchase their basic daily needs. It is likewise the path through which numerous clients (individuals) have gotten various advantages and for this reason the web has augment up the extent of utilizing different online functions. Numerous Mobile commerce organizations give great shopping basket which is valuable to the two individuals and association or online clients.

This system is design to enhance the following:-Convenience -Consistency of Data -Reliability - Increases Productivity- Easy update and Maintenance Operations-Variety.

#### IV . RESULTS AND DISCUSSION

User side includes main screen, registration screen, offer screen, my cart screen. Below are the details of the categories.



Figure 2 Screenshot of the main page



Figure 3 Screenshot of the page “Dry and Baking Goods”

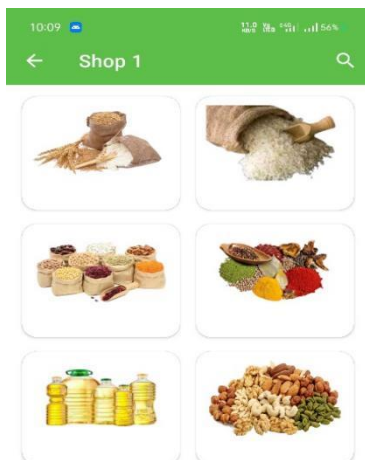


Figure 4 Screenshot of shop 1

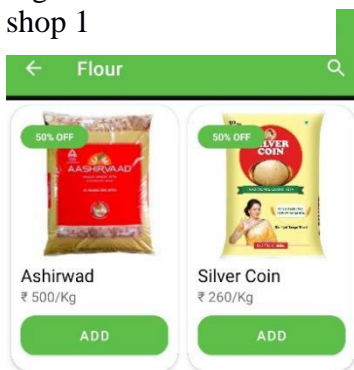


Figure 5 Screenshot of account details

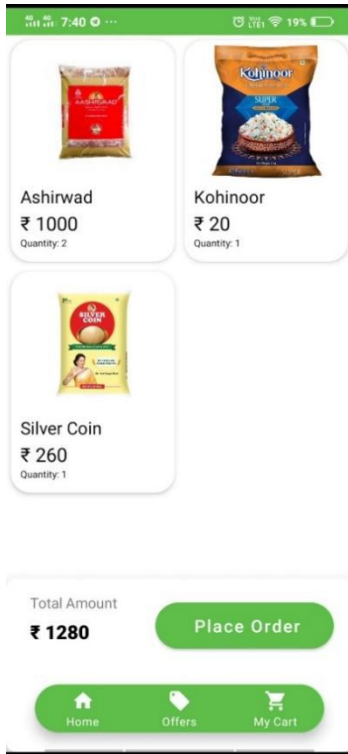


Figure 6 Screenshot of Cart

## V . CONCLUSION & FUTURE WORK

The main essence of this research study was to design and also implement a convenient online shopping system for online grocery shopping by connecting local vendor. This app has been made to help people to order there daily needs and get the delivery within very limited time as other application takes 2-3 days to deliver or 6-7 hours to delivery but in today's fast growing world customer cannot wait this much for these items delivery so we have design this application in which consumer can get the delivery faster and this application also help retailer shops to do business online in our platform to so they can also as growing their market through online . The main concept of this app is to focus small scale retailer shop and help them to grow their business with us and now days 67% population prefer online delivery rather than going to the market. Existing system uses their own stock to deliver , the proposed system just median between the shop and the customer .This system is superior to the existing system in previous application the daily need products are not available in every location , if available then they take too much time to deliver. Future aim will be to develop another section for vendors where they can add their shop on this app by themselves only and they will able to list the items.

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