# Online Shopping App for Hybrid Store (I-Commerce App)

Diptesh Karle[1], Dakshata Argade[2], Pranali Kamble[3], Abhishek Yadav[4]

*[1, 2, 3, 4,] Department of Information Technology, Terna Engineering College, Nerul, Navi Mumbai*

## ABSTRACT

*A hybrid store is a store that is a mix of both online store and physical store. The system is developed to manage hybrid stores in an efficient way. The system has two types of users: Buyer and Store manager. In this system buyer can carry out activities such as create a account, login, see list of products, buy products online, can have a trail version of product by booking for a trail or by getting the product shipped to the shipping address, find the nearest store if he himself wants to pick the product from the store, check his cart, delete product from cart, pay for product (cash on delivery available) , checkout, logout. Store managers can use the system by checking the orders of the buyers, checks if the buyer wants to have trail version of product or the buyer wants to himself pick the product from the store. Android users can be benefited from the system as the system is developed to run on android devices.*

*Keywords - hybrid, online, physical*

## 1. INTRODUCTION

The Internet Commerce or I-Commerce is a term for a business or business exchange that includes the change of data over the internet. It is the purchasing and selling of goods and services through wireless handheld devices, for example android devices. It can also be called as next generation E-Commerce. Online shopping is a type of e-Commerce which allows users to directly purchase goods or services from a vendor over the internet using a web browser or the application installed on the mobile device .Generally online shopping is of two types: B2B i.e. (Business to Business) and the other as B2C i.e. (Business to Consumer). This project is of type B2C (Business to Consumer).

The system is developed on android framework. The online shopping system has the shopping cart which permits the customers to create a list of items to be purchased. At the time of checkout, the total is calculated for the items list in the shopping cart. There are many other beneficial features apart from the one's which users are benefited from the existing online shopping systems.

## 2. LITERATURE SURVEY

Feedbacks from the users from existing online shopping apps indicate that the products which are being delivered have defects. Due to this users are not able to use the products in proper way. Due to this the users are insecure about the product which is been delivered to them. Also the users feel worried about the online transactions which are been done as they are prone to hacking of users sensitive data. The existing system imparts security by applying certain cryptographic algorithms. The existing system shops a variety of products. The study of the existing systems shows that the users face network latency. Due to this network and communication latency the revenue of many of the online shopping systems decreased by certain percent. The transaction mode of such transaction is limited to online transactions. The security of these transactions also depends on cryptographic algorithms. The database maintenance of these applications also depends on certain cryptographic algorithms as the security of the data of the users has to be maintained. Performance of the system or the android app which is being developed also faces certain performance issues i.e. the accuracy and the performance measures are not the same in all types of android devices.

## 3. PROPOSED METHODOLOGY

The system allows users to try products before they purchase so that users can check the quality of the product. In simple terms, users can have a "Trial Version" of the product. In transaction modes of android apps security are not the only concern but also confidentiality and authenticity of the transactions and the user's data has to be maintained. The system uses advanced security algorithms to make the transactions much safer than the existing system. The security algorithms which are being imparted are not easily prone to hacking and ensure security, confidentiality and authenticity of user's sensitive data. Apart from the existing online shopping systems, this system provides users with the nearest store locater feature through which users can have their products from the nearest store.

Various measures have been taken to improve the performance of the system. The system is developed such that its accuracy is maintained in all types of android devices. The system also ensures that the products which are being by the user are available at the time of delivery. As communication or network latency is the factor to be considered while developing android based systems, measures have been taken to reduce the network latency of the system.

## 4. RESULTS AND DISCUSSIONS

Android users can shop products online by installing the system (app) on their android phone. The users can buy products of their choice and add the product to cart. The payment of the product can be done with the payment gateway which is integrated with the app. Features such as "Try now " and "Nearest store  locater" are available in the system by which users are benefited in many ways. The user can also delete product (if he wishes not to buy) which was added to the cart earlier. In this android application Slate database is used to store the data. The database administrator monitors the database by checking the availability of the products and also adding new category of products. The system aims at saving the time of the users which users (customers) can put for good use. In general the system being developed is user-friendly and also it is secure, reliable etc. The system can be considered as a modern way of buying goods and products online
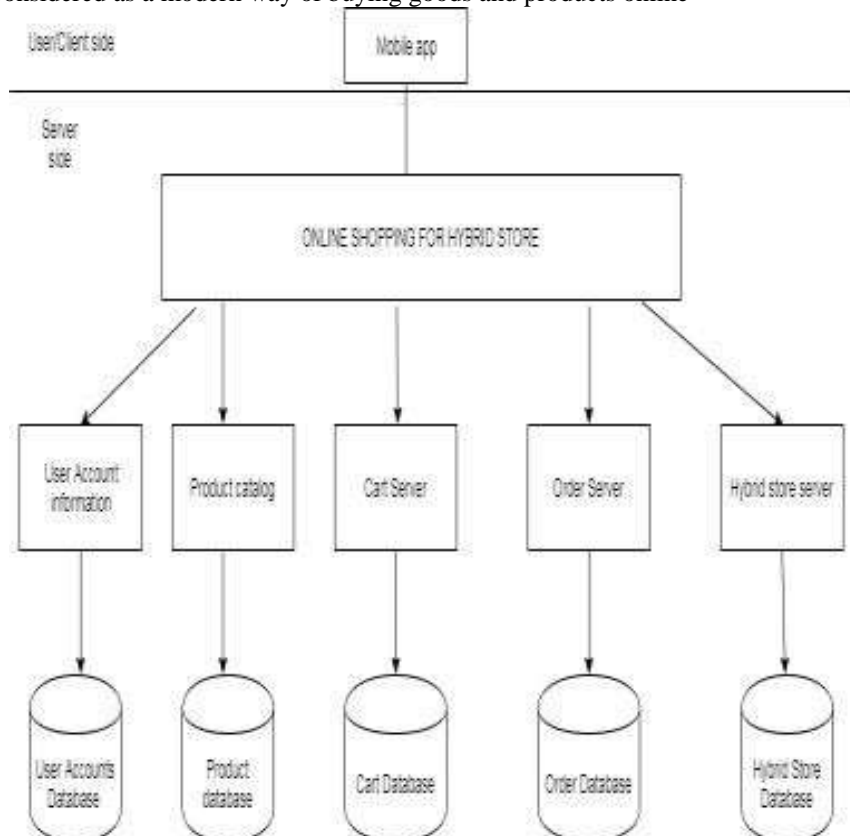


Fig 4.0: Component Diagram

## 5. CONCLUSION

In this paper an android app is developed for online shopping. The web services of the software will be exposed using XAMPP server and making the connection of the app with SQL management system

## 6. REFERENCES

[1]  www.androidhive.com
[2]  www.developers.android.info
[3]  www.ico.net
[4]  www.ijarcsse.com