# DoorNok Smart Online Shopping System for Local Vendors

[1]Ajay Yennawar, [2]Kartik Jude, [3]Anushree Bhandarwar

[1,2,3] Student, [1,2,3]Computer Engineering,
[1,2,3] Priyadarshini College of Engineering, Nagpur, Maharashtra, India

**ABSTRACT:**

E-commerce is one of the most rapidly developing technologies. Thousands of products are sold every day through e-commerce. Because everyone has a smartphone and access to high-speed internet, the majority of people purchase things through e-commerce platforms such as Amazon and Flipkart, which sell products all over the world. The journey of e-commerce in India began in 1999 with K.Vaitheeswaran's startup, fabmart.com. Because Indian clients were new to this industry, payment gateways and logistics were critical concerns. Following that, new companies emerged in the ecommerce sector in response to demand, offering secure transactions, and people loved this method of purchasing goods online.

The major goal of this project is to establish a platform for local vendors that will assist them in selling their items online. This portal will allow product information to be updated securely using a mobile app, and customers will be able to purchase goods from the merchant using secure online payment. The customers can search the products from their near by shops present in 5km and can place orders and get a product delivered within 24 hours. This application will help the shopkeepers to sell their products online by just uploading the product details. Also this app contains a two different features like rent. A user can give or take the products on rent or can rent a room, flat, cars, etc. The next panel is the buy or sell used goods within our area.

*Keywords* - **Firebase, Android Application, safe payment gateway, Vendors, local trading.**

## I. INTRODUCTION

Online commerce is experiencing remarkable growth in this digital environment. Ecommerce has become the most efficient method of delivering things to your doorstep. Ecommerce businesses such as Amazon and Flipkart ship a large number of products all over the world. However, your stuff will be delivered in 6-7 days. They are unable to deliver everyday necessities due to the delivery delay, and their vendors are also a global brand or company. According to the survey, individuals prefer to buy things listed on the first two pages, and owing to their hectic schedules, they seldom go on to the third page. As a result, only the top 2% of merchants make the most sales of the goods, while local vendors are laid off. Because of e-stores, local stores have seen a significant drop in customers, with roughly 40-50 percent of customers in the local market. According to a recent survey, individuals nowadays prefer to shop online from the comfort of their own homes rather than purchasing things from the market.

Our plan is to provide a platform for local vendors, which implies that we will bring local suppliers to an internet platform where they will be able to sell their goods quickly. This shortens delivery times and allows them to provide daily necessities such as milk, bread, and veggies. People do not have enough time to go to the store and acquire everyday necessities due to their busy schedules. This platform provides services of nearby shops, which means we may buy things from our city and have them delivered within the day. People are more or less familiar with purchasing and selling things online, but they have never rented or serviced them. There are only a few rental services available, but they all include a third party. Only car rental services such as zoom car, ola rental, and others are available on a daily basis in India, but they do not provide service for all products such as air conditioning, refrigerators, bikes, flats, or rooms. Many people want to rent out their things because they don't have enough space in their homes, but they can't find a reliable site where they can upload their products and earn money without selling them. There are other websites that offer rental services, but none of them offer this service for all products, and at a local market, you can look for and rent products in the city where you live.

## II. PROBLEM STATEMENT

In today's world, there is a huge demand for online shopping, and it's growing every day as more companies offer services through ecommerce sites. The youth prefer e-stores rather than going to the market and buying things. However, the primary issue with e-shopping is that we must wait 6-7 days for products to be delivered, and if we want faster delivery, we must pay higher delivery charges.

The current ecommerce provides services on a global basis, as a result of which our local product sales have been decreasing from the past two years, and the covid crisis was also one of the reasons where local vendors were completely unable to sell their products. So, in order to address this issue and bring our local vendors into the online market, we proposed the creation of a platform for local vendors. Local sellers can offer their products online within a 5-kilometer radius. Our application includes functions such as "Store," "Rent," and "Buy or Sell Used Goods". This makes it simple for both consumers and vendors, and the product will be delivered within a few hours of the purchase being placed, or individuals can pick up the product from the store. The Rent function displays various objects that are available for rent in our area. Customers can also rent their own products by simply uploading the product's specifications and price. The next panel is Buy or sell used goods, where anyone can buy or sell used items through our application.

## III. LITERATURE SURVEY

| SR. NO. | Paper Name | Author Name | Description |
|---------|-----------|-------------|-------------|
| 1 | Smart Shopping Technologies for Indoor Markets | Ioana Rogojanu, George Suciu, Maria-Cristina Ditu | Several factors were analysed in paper to find methods which will ease the process of buying things online. Speech to text feature was one of the successful features implemented which improved the customer experience. |
| 2 | Measuring e-Commerce Success | DeLone, W. H., & McLean, E. R. | In the paper they have presented a research model which aims to identify dimensions of success related to e-Commerce websites in which factors like system quality, information quality, service quality are considered important for user satisfaction. |
| 3 | Ecommerce Store Needs a Mobile App | RubyGarge | Mobile applications over websites are discussed. Mobile apps have feature of push notifications by which customers come back to the site open rates 90% and click-through rates 40%. It's more easy for customers to shop on apps as compared to websites. 50% of an ecommerce store's revenue is generated by 10% of users. |
| 4 | Trust and tam in online shopping: An integrated model | D. Gefen, E. Karahanna, and D. W. Straub | Our research on experienced repeat online shoppers shows that consumer trust is as impor tant to online commerce as the widely accepted TAM use-antecedents, perceived usefulness and perceived ease of use. Together these variable sets explain a considerable proportion of variance in intended behavior. |
| 5 | An study of factors affecting on online shopping behavior of consumers | G. Nagra and R. Gopal | The results of study reveal that on-line shopping in India is significantly affected by various Demographic factors like age, gender, marital status, family size and income. |
| 6 | Unwillingness to pay for privacy: A field experiment | Alastair R. Beresford, rothea Kübler, ren Preibusch | online payments were not as user friendly, and people were unwilling to use online payments due to fear of lack of secure transactions |
| 7 | Measuring The Antecedent Effects Of Service Cognition And Internet Shopping Anxiety On Consumer Satisfaction With E-Tailing Service | S. Yao and Liao Chengwen | Customers face internet shopping anxiety, the indecisiveness to take action to buy a product online, which affects them to use internet leading to losses to the company |
| 8 | On Rent- An Android Mobile Application | Harsha Chauhan, Deepali Gupta, Sheifali Gupta, Vishal Verma | Automobile and bike rental systems, such as Zoom Car, are now in use in major cities no local system exists where all products can be rented. There is no local marketplace for renting. |
| 9 | Car Rental System for Maharashtra | Joydeep Sarkar, Yadnesh Khode, Shubham Jadhav, Prof. Akshata Laddha | A car rental system for Maharashtra in Android is developed. Users can chose from various listed cars of their choice. Along with renting a car that app is connected to the driver app it is controlled by drivers. |
| 10 | Rental Housing Management System. | Kirmani, J.A., Yousuf, A, and Bhat, S.M | It is observed that the renting house is still an unorganized and unsolved problem. Landlords face problems like not getting good clients for rent [14]. They proposed a web application in .NET technology but users prefer phones over desktops. |

| 11 | The Economic Analysis of Rent Seeking | R. Tollision, and R. Congleton | The best solution to this problem is to rent them out. Also people who are constantly shifting do not want to spend money on goods, so they rent them in order to save time and space in their homes |
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| 12 | Online Rental System | Amika Mehta, Vedant Patil, Apurva Shinde | online rental system was introduced where the goal was to rent things on the day to day basis within the community. As people have a tendency to fall for the traps of discounts, sometimes they buy a thing which they are not going to use in future and that product is taking space of their home |
| 13 | A Location-based Shopping App with Products-wise Searching | Kin Chi Chan, Tak Leung Cheung, Siu Hong Lai, Kin Chung Kwan, Hoyin Yue† and Wai-Man Pang | In this paper, we developed a shopbot app system (Where2Buy) on smartphone that can search and filter the nearby shops which sell the desired products. To simplify the input process, our system allows users to search by text or voice and fuzzy matching is supported to widen the scope of searching |
| 14 | E-commerce Smartphone Application | Abdullah Saleh Alqahtani, Robert Goodwin, | The design and security aspects of mobile devices are also investigated. As an alternative to existing m-commerce applications, this paper also investigates the characteristics and potential of the PhoneGap cross-mobile platform application. The results suggest that effective mobile applications do exist for various Smartphones, and web applications on mobile devices should be effective |

## IV. Conclusion

As the demand for the online shopping increases through e-commerce sites the demand for good products and fastest delivery is also need to upgrade. As local vendors begin to sell products through online applications, customers will receive better service and higher-quality products from local stores. It shortens delivery times and provides high-quality local products at a low cost. Local sellers can sell their products in the market on a trusted and safe platform simply by using a mobile application. This will aid in the promotion of "Local for Vocal" and encourage people to purchase our local products. Also, the rent system will be available, which means that anyone can rent products through an app or rent essential items from their city. This will be a secure application, with no third parties involved. People can also use the app to buy or sell their used goods. They simply wish to list the things they want to sell, and anyone in the area can purchase them through the sale panel. This application will also give our women entrepreneurs increase their revenue, improve brand visibility and gain more customers in their own region which will create an ecosystem of buyers and sellers

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