NeedzApp (A Local vendors App)

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ABSTRACT

The Local vendors are an integral part of urban economies around the world, offering easy access to a wide range of goods and services in public spaces. Even though Local vendors are considered as informal, they are the vital contributors to urban economies. The Internet plays an important role in our daily lives and we use the Internet every day for almost every single activity. E-commerce in India began to gain popularity as internet users and smart phone sales gained prominence. E-commerce purchases and sales are done offline physically in the markets. Nowadays the days of online shopping have become a headache for retailers and local retailers; local retailers are an integral part of the global economy, providing easy access to a wide variety of goods and services in public places. Although street vendors are considered informal, they are important contributors to the City's economy. Thanks to the use of online retailers App, local retailers were able to successfully sell their products and began to reduce business. But the third-party application takes a percent of the ordered goods. This study aims to identify the problems faced by local retailers and the prospects needed, to help them run their retail business. This paper provides solutions to assist local retailers and retailers who have lost an online business by promoting an android system where local retailers and retailers can sell products and goods directly to customers without the involvement of any third party and grow their business by displaying quality service locally.

Keyword: - *Local vendors, retailers, Business-to-Consumer (B2C), Business-to-Business (B2B), Android, ecommerce*

1. Introduction:

Social-distancing restrictions and health- and economic-driven demand shifts from COVID-19 made impact on many small businesses and entrepreneurial ventures. The widespread closing of stores and businesses in the India and around the world due to the corona virus is unprecedented. Stores, factories, and many other businesses have closed by policy mandate, downward demand shifts, health concerns, or other factors. Many of these closures may be permanent because of the incapability of owners to pay ongoing expenditures and survive the shutdown. The impact on small businesses around the world is likely to be severe. The Best solution for small businesses on this

situation that was to sell the product online. Online shopping is a form of ecommerce that allows clients to directly purchase goods or services from an online retailer using a web browser. Online shopping has two types of process, the first Business-to-Consumer (B2C) and the second Business-to-Business (B2B). The Proposed System is designed to enable a local Merchant to generate their revenue from local customers without the need for a third-party delivery procedure. The sellers themselves deliver the delivery to their trusted and trustworthy customers and thus make it a completely transparent order. We ensure that customers ship their products to the vendor closest to their place of order so that orders placed in different locations are distributed between the sellers from the appropriate locations. This proposed solution is based on the concept of an online shopping app where local retailers can sell their products directly on their site. The online shopping app has a shopping cart that allows customers to create a shopping list. At the time of departure, the total is calculated in the shopping cart list, including shipping and handling costs and associated taxes as applicable. This project is a one-off business - Business-to-Consumer because products are sold directly to customers. There is still a difference in actually going to stores and hand-picked products to feel their quality and features that can't be found online. Customers also feel anxious about online purchases for fear of an insecure security process that could lead to hacking sensitive user data, credit / debit card protection, dishonesty or breach of privacy. This project aims to eliminate the flaws of both types of purchases and to close the gap between the land and the physical world.

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2. Related Work:

The design of the mobile purchasing app for regional products, as sales of mobile devices is growing exponentially; the use of mobile apps for purchase purposes has grown significantly in the last few years. This paper introduces the design of a smart mobile shopping app for regional products. One of the key features of this app is that it uses your local Internet TV as much as possible. An Internet service provided by local government is included in the application. Then shopping and Internet TV work together. For example, when Internet TV sends a regional emergency, it is automatically added to the purchase app so that notifications are sent to users immediately [1]. Learn E-Commerce and Impact on Market and Retailers in India E-commerce is buying and selling goods and services online. Before the e-commerce buying and selling was done offline physically in the markets but after the arrival of e-commerce in India our lives have become much easier due to their number of benefits. The benefits that e-commerce offers online purchases of anything at anytime and anywhere, customers can find products on commerce websites that are not available in the visible market, reduce costs and time, without leaving home you can find our product at home [2]. Study on Impact for online food delivery app at Restaurant Business, home delivery format or takeaways has gained a lot of customers in places like shopping malls, offices and large residential group orders. People who miss breakfast because of work, orderliness. Individuals, the United Nations agency want the top choice for a daytime or party company, order as well. Everyone seems to be worried about the perfect order of food and the possible delivery to facilitate and quickly get food acceptance. Alternatively, ordering food orders from your mobile app or application system will definitely separate a particular market share from a trusted 'Kirana' or n-pop stores. Asia is the sixth largest food market in the world, but the formal sector such as travel by several of the aforementioned businesses makes up only 5-8% of the grocery business market. The vast majority are always associated with these traditional markets and n-pop shops. This has a significant impact on the brick-and-mortar formats of restaurants as more and more people choose to have restaurant-style kitchens right where it is private in their homes or workplaces; however, the impact is less significant because it may appear to be the case. The nutrition business in the Asian country is about a few decades ago, and it remains unorganized. Given the pace at which the formal sector is growing rapidly, it is simply a matter of your time and a larger investment in the world before there is an enormous impact on homeowners who will not have a format focused on their own delivery. The

demand for online orders is real. It conveys to customers that it is a growing modern restaurant and a great challenge for others who want to be easy and accessible to all guests who have always ordered [3]. This study examines in particular how consumer-oriented services can affect the level of online consumer satisfaction. The specific purpose of this paper is to determine the essentials of logistics services that contribute to online consumer satisfaction. A total of 178 experienced online shopping respondents were interviewed face-to-face using a systematic questionnaire. Pearson correction and more retrospective use were used for data analysis. The findings of the study revealed that service delivery, service delivery and customer service were factors that had a positive impact on the level of satisfaction of E-commerce customers. The results of this study will help online retailers identify ways to improve their services especially with a view to factors that will ultimately increase customer loyalty and improve satisfaction [4]. The purpose of this paper is to assist farmers to buy or sell their agricultural products and products. Market prices provided by data.gov.in allow the system to keep sales and purchasing prices under control. As products will be scanned and there may be more user products. Simplifying browsing many filters can provide. Farmers face many challenges while selling their goods and products, the program promises to provide an easy and fun way to sell products. The system allows farmers to sell goods at a fair price and makes the business more equitable and visible. Buyers on the other side of the same coin. This program allows the consumer to choose from a wide range of products, select a product according to their needs and apply pricing filters. Location is one of the parameters of the buyer and the manufacturer while selling or purchasing their product will help the user to find the product closest to their location. The primary purpose of the plan is to process each need and fully meet their needs through a fair and transparent agricultural business. [5]

3. Proposed System:

Due outbreak of covid-19 virus, many small businesses faced so many issues and some of them are closed down and local vendors and farmers faced financial crisis because they were unable to sell their products. Due to closure the local residents were not able to go out and buy the products from local vendors and farmers. This proposed system aims to provide an affordable and effective online platform for local vendors to sell products in their locality. The System has been designed considering the local shop owners to generate their revenue from the customers from their nearby locality without the need of any third-party delivery mechanism. The third-party delivery mechanism applications take a percentage amount on every amount and subscription bases online applications are not available in some areas. Due to this system, they can easily set up an online shop and vendors themselves provide the delivery to their loyal and trust worthy customers and thereby make it a fully transparent ordering mechanism. Our system will make sure that the customers will order the products from local shops and get their products delivered from the vendors nearby their ordering location. All these orders are tracked for user or customers for checking their order status. Online Payment and Customer supports are available for the better customer experience, this system works as two-way platform for both vendors and buyers.

The local vendor can become Vending partner in just few steps which are given as follows:

- Firstly, Vender will have to select the locality for setting up a shop.
- Then Select shop Category
- Set Product and Categories
- Set Product Prices for customers
- Select the Subscription plan for activation.
- After all the procedure the shop will go online and customers can directly order from local vendor shop.
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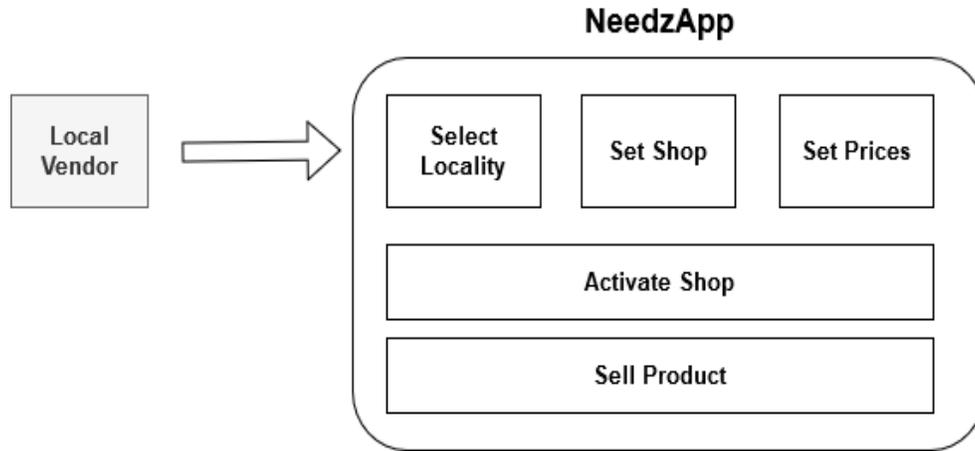
Fig 1. System Architecture.

In the products page and shop page the shop owner details are given so customer can directly contact the shop owner and same way the shop owner can also contact the customer when order is received. To manage the orders and product status the owner dashboard is given to all the registered shop owners. All order logs and operation logs plus delivery logs are maintained and displayed on the owner dashboard.
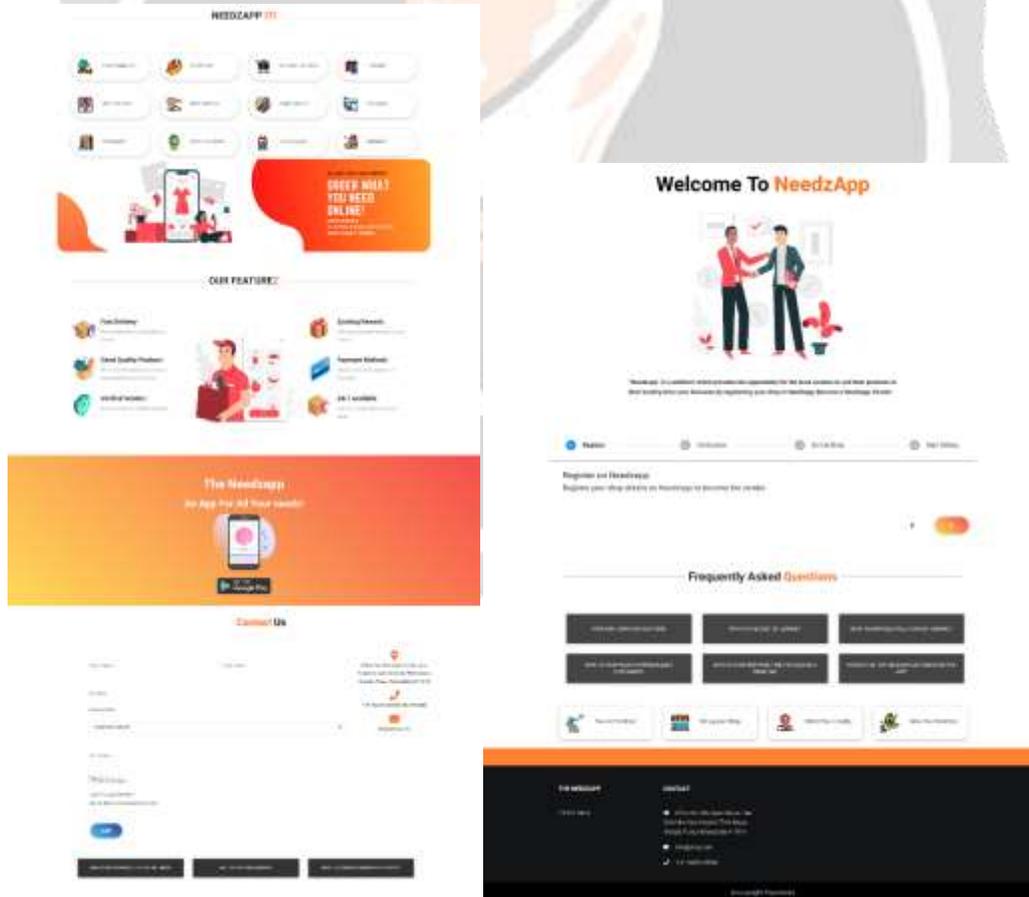

Fig 2. Webpage for Vendors Information

4. Experimental Results:

4.1 Online Shopping Application: Anyone can download Online Shopping Application and order products from local available shop, but every user must login by his/her Username and password for purchase or order of products

4.2 Home Page: The Home Screen will consist of view where Customer can browse through the products, shops and offers and other information which we have on our website.

Fig 3. Application Home Page.

4.3 Product Page: This page consists of category wise product details. This page appears same for both visitors and users. When user clicks on category the product details for that category will appear with multiple available products.
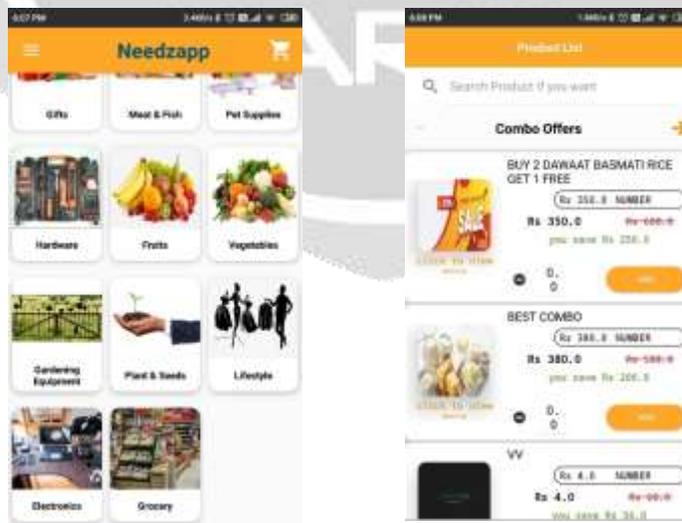
Fig 4. Product category page and Product Details Page

4.4 Order Page: Registered users can order desired products from hereafter filling the address details the user can place order. Very simple process for ordering the product.
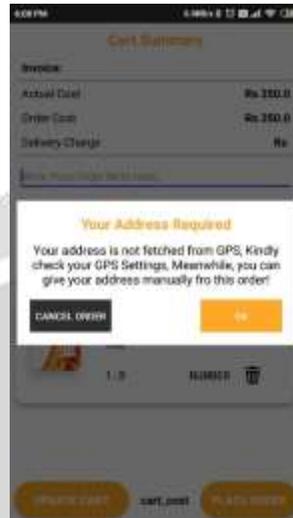
Fig 5. Product order page

Conclusion:

In this paper an Android App is introduced for the online shopping of local goods. This proposed mobile application treats local vendors as a seller and a buyer. The intention behind this paper is to help vendors so they buy or sell their locally produced goods and products to the consumers and deliver this product without any third-party platform and have a direct communication with the customers. During the covid-19 outbreaks it impacted all businesses but local and small-scale businesses got affected most by that and this app is proposed to give an affordable online shopping platform to sell the locally produced goods in their area. This system will help the vendors to compare the price with the market and sell according to it. This system will be having a location tracker which will help the consumer to find the nearest vendor to him; this will save his time and money too.

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