



Vendor Link: Connecting Customers and Vendors

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ABSTRACT: -

The objective of "VendorLink" is designing a systematic app for Customers as well as Vendors. Street vendors are an integral part of urban economies around the world, providing easy access to a wide range of goods and services in public spaces. While informally traded food and drink can pose public health risks, vendors would welcome more hygienic working conditions to attract customers and to ensure the safety of their goods. This App gives a brief understanding to customers and vendors because this App is made up with smart coding tools of JS library, React native and firebase, node at backend and also gives a great interface. Furthermore, the App provides a feedback form to vendors.

Key-Words: -VendorLink, Customer, Vendor, Connection ..

I. Introduction

Key obstacles to inclusive approaches to street vending management in cities are the perceptions and misconceptions of the role that street vendors play. While informally traded food and drink can pose public health risks, vendors would welcome more hygienic working conditions to attract customers and to ensure the safety of their goods. In many cities, street vendors self-monitor and self-manage their vending sites to reduce congestion, crime, grime, and public health risks. Even after all these things they have to compromise on the Urban design and face a lot of things. The Street Vendor Project seeks to address these challenges by providing legal and advocacy services, community organizing. While informally traded food and drink can pose public health risks, vendors would welcome more hygienic working conditions to attract customers and to ensure the safety of their goods. Street vendors play an important role in the local economy and culture we know that the, Public spaces are key element of individual and social well-being. Street vendors may contribute to congestion and grime but so do pedestrians, vehicles, the general public – and city governments that fail to regulate traffic and provide sanitation service. The Motivation is to be created not by compulsion, but by awakening a pure interest in knowledge for the project is to make aware about different vendors that can find their location in urban areas without having their temporary location.

II. Problem Formulation

The Street Vendor Project addresses the problem of systemic discrimination and unfair regulations that limit the ability of street vendors, many of whom are immigrants and people of color, to earn a living and contribute to their communities. Specifically, street vendors face barriers to accessing affordable and safe vending locations, lack of access to basic services such as restrooms and electricity, and discriminatory enforcement practices by law enforcement officials. These issues undermine the livelihoods of street vendors, perpetuate economic inequality, and contribute to the marginalization of vulnerable communities. The Street Vendor Project seeks to address these challenges by providing legal and advocacy services, community organizing, and vendor education programs. By doing so, the project aims to empower street vendors to succeed as entrepreneurs, to build stronger communities, and to create a more inclusive and equitable urban environment. According to the problem statement, the problem that we have to find is that there is no app for this street vendor. There is no permanent location where a street vendor can sell their goods. They can go here and there for their work. We have to fix this solution using a vendor link app where vendors have put their details and customers easily find their location by static location and go location.

III. Related work

we have to do related work using the following points that will be first we gathering the information of different vendors present on street so that we get a brief idea that what the street vendor wanted to be on street. There are different vendors present that is grocery store, electric items and many more. so first we gather the information of different types of vendor and addressing the problem we find the solution according to the problems that they were faces. Another work that we have to create is we developed a user-friendly interface for customers so that customers can easily find the location of street vendors and get the vendors on their nearby location. so the second related work that we have to perform is develop a user friendly interface so that less educated customers also find the street vendor easily. Also customers find the details of street vendor that what types of things the vendor sold. we have a system which implementing a feedback system that customer share their feedback as a rating system which we see on other app it helps the street vendor to increase their quality of goods that vendor sold and vendors would welcome more hygienic working conditions to attract customers and to

ensure the safety of their goods. The main goals of this survey were to assess vendors knowledge, attitudes, practices and training in food hygiene and to generate data-based proposals for improving the safety of street-vended food. Its also helps the customer to change their location. For location of street vendor we have to use the geolocation technology that helps to find the location of street vendor and also benefit by this geolocation technology. There is an option for go online button when a customer visit the app and search for vendors then after selecting vendor customer find the option of go live where they find the location of street vendors. so this technology helps to find the location easily and anyone can find it own, When a new vendor install the app we have to update the information on the regularly basics. Regularly updating the app with new vendor information. So that it easy use for the vendors. After the we have to Testing the app and Deploying the app to a online platform. So that it can be accessible to all on internet .

IV. Methodology

The problem statement for the Vendor Link is that street vendors self-monitor and self-manage their vending sites to reduce congestion, crime, grime, and public health risks. Even after all these things they have to compromise on the Urban design and face a lot of things. The main objective of this task is to help the street vendors to get included in the public space development without compromising on the urban designing. So addressing this problem, we have identified its methods .How we can create an app that is useful for the Customers as well as vendors. We have to first research the areas where the more street vendors are present. we find the various functionality related to this project .Enhanced technology we have to use so that it helps in future also. we have to interviewing the customers and vendor so that we get more solutions for the problem.

For the Vendor Link app ,we have to design a usecase .In this., Vendors and customers are present which act as an Actor .There are different functionalities for vendors and customers .To develop the Application all these functionalities are kept in mind. From existing system, we have to select that kind of functionalities that is related with our app and customers can experience that all kind of functionalities These are the main functionality we used in our application that helps in working the different use cases properly.. so figures 1 show below is the usecase diagram for our project i.e vendorLink.

Another diagram that shown the Entity relationship diagram that defines the relationships among the different entities After finding all their functionality ,we analyze how databases are used in this project ,again going to the existing system finding the entity and relation between the attributes and what types of methods are present in Application. The entity relationship diagrams are defined for VendorLink: Connecting Customers & Vendors .So taking idea from research based or with existing system we define a entity diagram for this Application.

The Entity relationship for this application is to analysis the backend of the application and also defines that what kind of data we can put in our app so that the data of a particular vendors and their details in a efficient and concise way. There are lot of application but we have to maintain at a single place and all description in a concise manner. Analysing all the methods we have made a diagram that are shown below.fig1.2.

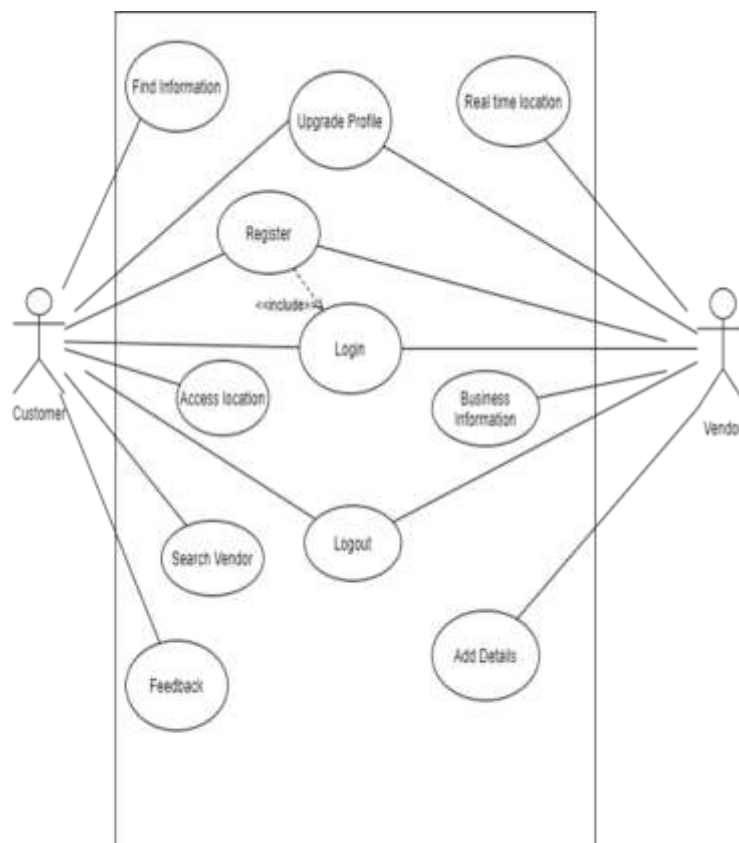


Fig 1

This shows the different functionality of customers and vendors . This type of functionality helps us to make applications more functional and the methodology that we have to use for making this application.The another method is to develop the entity relationship between the functionality and their methodology. The another fig 1.2 is shown below.

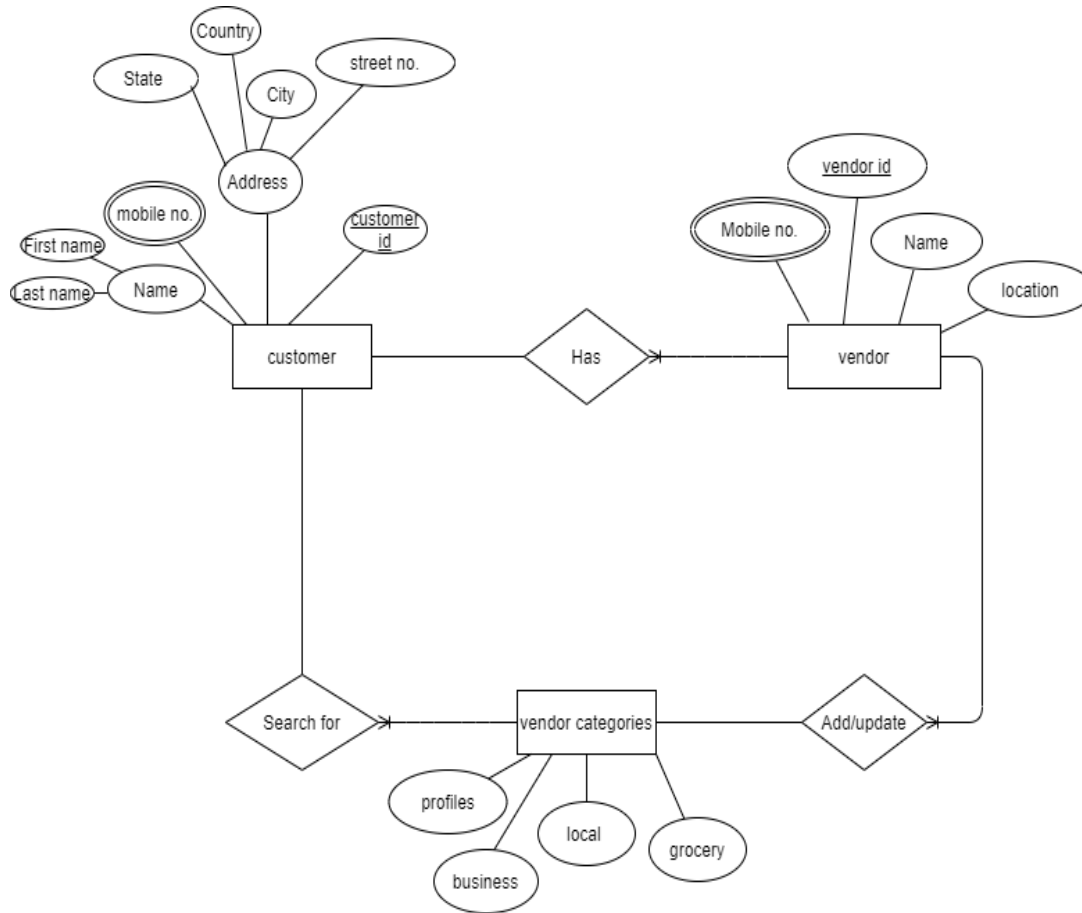


Fig. 1.2

In the fig1.2 A vendor entity contains many attributes .We analysis that all information of a vendors is gathered from update profile section that are present in this application.from this , customers can easily find the location of a vendors.The following methodology that are discussed above on the basis of problem statements and existing systems are helpful for this portal and doing analysis and research on that is a great change for this Application.

V. Outcome Discussions

The following outcomes are identified that include increased visibility and accessibility for street vendors.Street vendors are easily found and accessible from the application.The feedback system is very helpful in this application when customers like the goods of a vendor then customer gives the feedback in the form of rating that improves customer experience.Also increased customer satisfaction through the use of a feedback system. It also enhanced the accuracy and real-time updates of vendor location.whenever vendors change their location then the location is not remain static the real time location is updated of that particular vendor.when the new vendor is get the application then the Regular updates to the application to incorporate new vendors and make them a user-friendly scenario. It is a well-tested and stable application.These are the following outcomes found when making the application.

VI. Conclusion

The proposed street vendor app aims to improve the customer experience Overall, the street vendor app is expected to have a positive impact on customers and vendors .The app will also provide a platform for customers to provide feedback and rate vendors.There is static and live location option for vendors.Overall,the system is useful for all users to see information at various level.It also connects vendors to find their location and used for it.through its various initiatives, the organization supports and empowers street vendors, promotes their cultural and economic contributions, and fights for their access to public space and fair treatment.This is helpful in future and builds up with the future technology independently.

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References

[1]. <https://reactnative.dev/docs/getting-started>

[2]. <http://streetvendor.org/>

[3]. www.google.com