Online Grocery Store Android Application

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Abstract -Speaking specifically about grocery shopping apps, individuals prefer to take advantage of them quite often. The thing is the features of grocery shopping list apps are highly appreciated by the audience since they allow drawing up lists to go food shopping, ordering grocery suppliers online, delivering foodstuff wherever required, in case a person can't pick it up at the grocery store, and much more. As you see, the owners of grocery shopping apps significantly facilitate the lives of their users in many different ways. If we think about ourselves as well as others and ask a simple question: "Would you like to get the grocery while sitting at home rather than wandering outside in search of shops and good quality products?" What would be your answer, in most of the cases the answer would be a big "YES". So our project is to develop and design an Online Grocery Store that will provide the grocery of good quality at the doorstep to the customers within the specified time. This store will provide services in most of the cities including non metro cities. The working of this Online Store will be completely based on the local vendors of the city, unlike the existing systems, who provide grocery directly from the manufacturers.

Key Words: Tier 3 cities are including in the APP, Fresh products delivered.

1. INTRODUCTION

Grocery shopping is an android   application where users can buy grocery products online. Grocery Products are displayed in the effective graphical user interface. This system will be like a virtual supermarket. User can select the product he wants to buy and the selected product will be added to the cart. Cart contains the user's name, contact details, a product he had selected, and the amount. Users can search for the product through categories like Fruits, Vegetables, Detergents, etc. After selecting products user can make payment through cash on delivery or by credit card. For credit card payment user has to enter 16 digit credit card number and CVV number. After payment, the groceries will be delivered to his specified address. Since this system is made in android it is easily available on smartphones. Customer who has phones supporting android can easily use the application and can buy their grocery. There is no need for waiting in a long queue. No need of carrying heavy bags and struggling with trolleys. Customers can purchase products sitting at home by viewing images of different grocery products and adding them to the shopping cart.

1.1 Existing System As mentioned above, there have been some systems in the market to give groceries at the doorstep. Some examples of such systems are Big Basket and Grofers.

The above-mentioned Online Grocery Stores have gained a lot of success in metro cities like Mumbai Pune, Chennai, Bangalore, Noida, Ahmedabad, etc.

But as we said earlier they were unable to gain success in non-metropolitan cities. Another aspect where these stores fall short is time, the delivery times of these stores are long. In the case of Big Basket, they only have three-time slots for delivery in a day, which doesn't fulfill the fast delivery feature. In the case of above mentioned st stores, they take the order from customers at any time of the day but d deliver the order in Any one of the three time slots. In non-metro cities also there is a requirement for a system, which can probably ease the life of people and also to reduce the wastage of time.

1.2 Proposed System

As we know that grocery is an important part of our daily life. All human beings, may it be a college student, a bachelor staying away from home due to a job or even the local people in a city or townl of them need grgroceries

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Shops and good quality products?" What would be your answer, in most cases the answer would be a big "YES". So our project is to develop and design an Online Grocery Store that will provide the grocery of good quality at the doorstep to the customers within the specified time. This store will provide services in most the cities including nonmetro cities. The working of this Online Store will be completely based on the local vendors of the

city, unlike the existing systems, which provide groceries directly from the manufacturers.

The involvement of local vendors adds up to the advantages of this system likewise: If local vendors are involved then it assures the quality of the product. And secondly, as the vendors are of the same locality as the customer, it makes the delivery of products ductless and time-consuming. Hence, felicitating fast delivery feature.

2. Operational Feasibility

As our project consists of a webpage and a mobile application that has a very Simple Graphical User Interface.

So to use it a person need not be a highly technical person, even a common person can use it very easily. The person using our website or application does not need to know any kind of programming language and also does not need to have technical knowledge. People belonging to any age group can use our website and application without any issues. Overall, our project is very much operationally feasible.
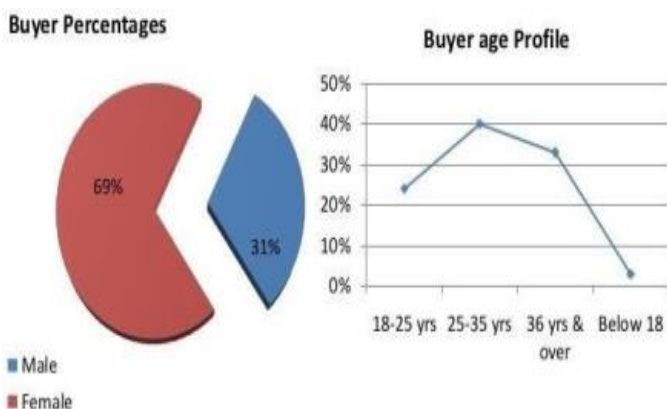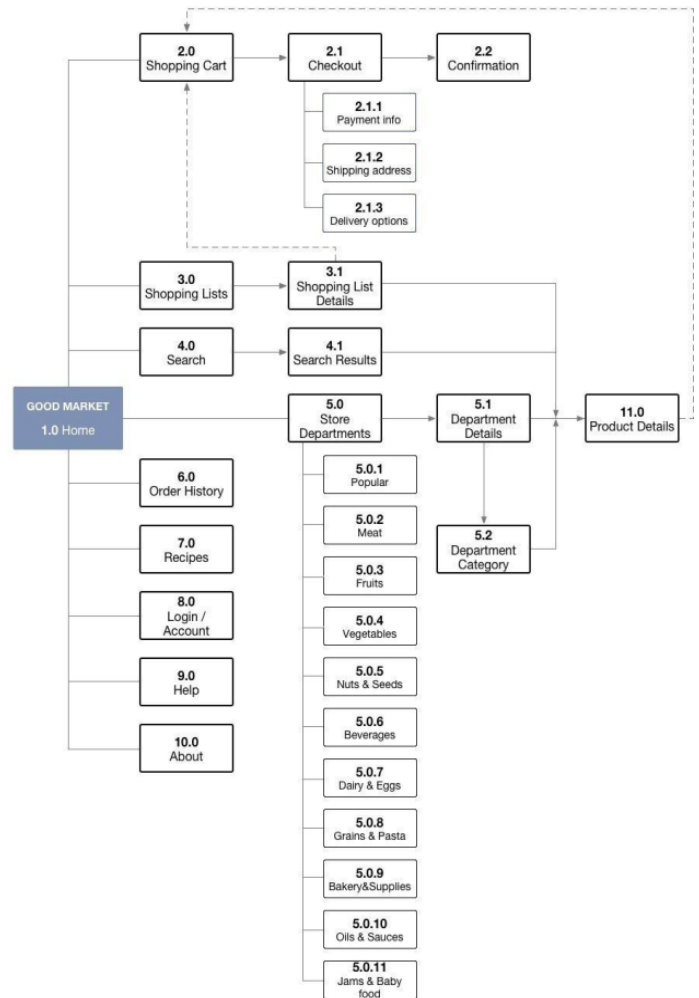
Table -1:

Fig -1: SYSTEM ANALYSIS AND DESIGN

Mobile apps for grocery shopping have been growing in popularity for years, but in 2020, this industry's growth went through the roof. Traditional grocery chains started to develop and improve their grocery software to let customers order food and beverages

As the requirements of the project are not large and the objective of the project is well defined, well understood among the team members, and the schedule for the project is initially marked out, the project can be satisfactorily completed within the expected timeline. However, some issues may arise due to a lot of content but, they can be solved with proper planning and team efforts. Thus the project is timely feasible.

2.1 Technical Feasibility

The project is quite feasible technically as it can be implemented using the support and features provided by the programming languages and handy software tools which are easily available to user. Also with the technical support of the books available , internet resources and internal staff the technical obstacles that are expected/unexpected could be resolved without much delay.
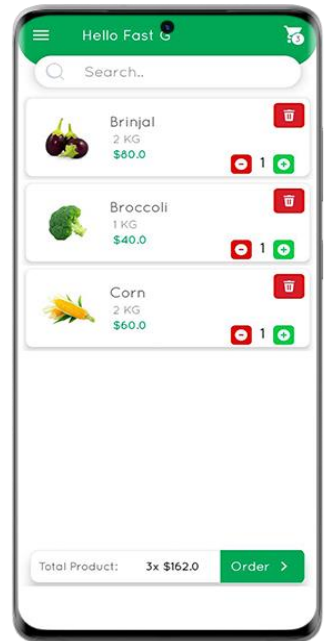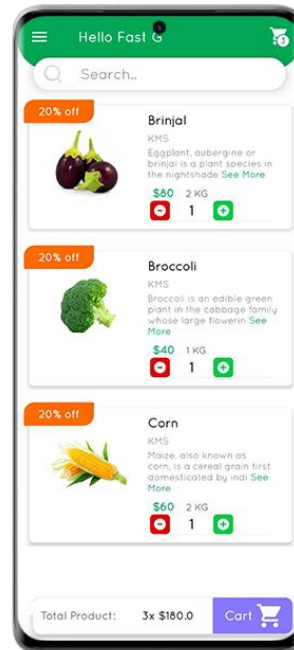
Also there is no special hardware involved in the system. Thus the overall project is technically feasible
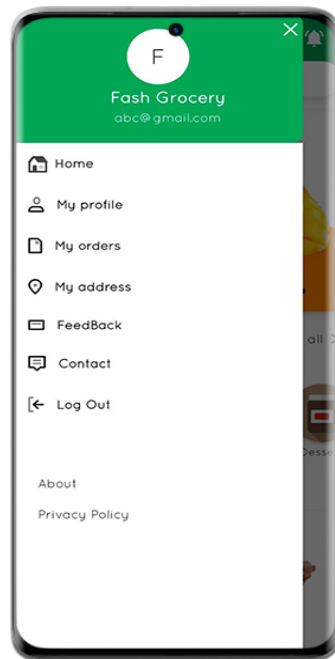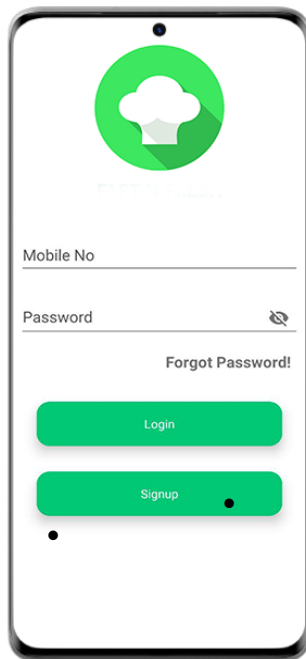
Problem definition:

The grocery industry is quite extensive considering the parameters and it is growing by leaps andbounds regardless of the challenges it is fraught with. We all need survival food, so we all go to a grocery to quench this basic human need. A growing trend of online grocery shopping has been seen. Several reasons can be attributed to this. From high-pressure jobs to the convenience of Grocery Delivery Application, to distances, long queues at the mall, maintaining work-life balance, etc. you can have innumerable reasons why people prefer online grocery shopping to buy groceries from brick and mortar stores. But there are online grocery delivery challenges that the consumers and the service providers enjoy over the years.

If you look at parents today, they juggle with so many responsibilities than what the parents of older generations had to do. Paying EMIs, long working hours are propelling parents towards ease of online shopping to purchase food for their children. Parents are the biggest demographic which is leading towards the Grocery Delivery Application trend.

The grocery store owners must plan to conduct some awareness programs to such people and grow your brand reputation. By this, the people will show interest to go for online ordering from our grocery delivery app development.
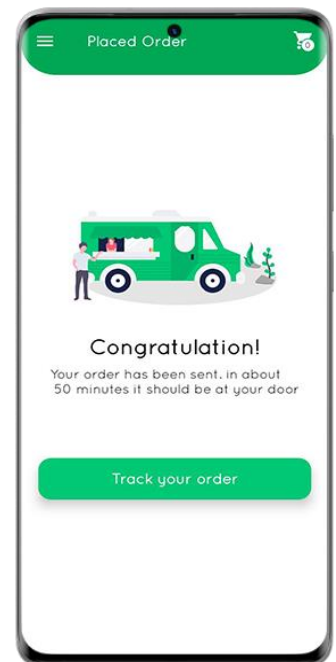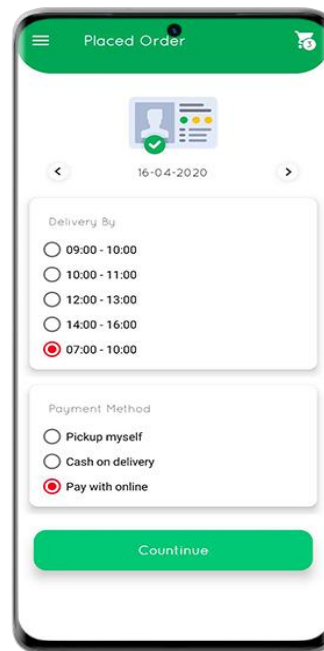
Items Page and Cart Page

Login Page and Profile Page

Order Placed

2.2. Financial Feasibility

Since no special hardware is required for the system the direct or indirect cost required for the development and the deployment of the project is reduced.

As our project consists of a webpage and a mobile application it does not require any financial help.

We will only need a web domain and nothing else. Hence, our project is financially very feasible.

Conclusion -

User purchase grocery products through his mobile phones that support android. The user does not have to wait in a long queue and does not have to struggle with trolleys. Users can coolly sit at home and purchase the products according to their likes. this application can be used by any user who loves to shop and this application can be used by many housewives.

REFERENCES

1https://www.slideshare.net/ABHISHEKRA WAT63/nigb_asket-indias-online-grocery-store-case-study.

2https://www.digitalvidya.com