

E-COMMERCE WEBSITE ON COVID ESSENTIALS

Mrs. M. Lubna Yasmeen,

Assistant Professor in Sreyas Institute of Engineering and Technology, JNTUH, India,

lubnayasmeen.m@sreyas.ac.in

TEAM MEMBERS:

PRASHANT PANDEY-18VE1A05A1-prashantpandey872@gmail.com

T. DEEPIKA TANMAYEE-18VE1A05B2-geetika.tanu123@gmail.com

TATIPAMULA SRI PRIYA-18VE1A05B3-tatipamulasripriya@gmail.com

TRIPURANA JEEVANA ROSHINI-18VE1A05B5-jeevanaroshini@gmail.com

ABSTRACT:

Electronic Commerce is the process of doing business through computer networks. He/she sitting on the chair in front of a computer can access all the facilities of the Internet to sell or buy the products. Unlike traditional commerce that is carried out physically with an effort of a person to go & get products, e-commerce has made it easier for a human to reduce physical work and to save time. This was started in the early 1990s and it had taken a great effect in the world of computers. the growth of e-commerce is security. E-commerce is facing many challenges & still there is a lot of security for this. The main advantage of e-commerce over traditional commerce is the user can browse online shops, compare prices, and order merchandise sitting at home on their PC. For increasing the use of e-commerce in developing countries the Business to Business ecommerce is implemented for improving access to global markets for firms in developing countries. For a developing country, advancement in the field of ecommerce is essential. The research strategy shows the importance of e-commerce in developing countries for business applications.

INTRODUCTION:

E-commerce (electronic commerce) is the activity of electronically buying or selling products on online services or over the Internet. E-Commerce has a lot of demand now a days. Business to the consumer means that the sale is taking place between a business and a consumer, like when you buy a rug from an online retailer. After the turn of the century, the concept of e-commerce was a cutting-edge novelty within the business community. Retailers use e-commerce websites to draw in additional sales or to provide valuable product research. Every year, consumers are showing more interest in buying the products online. The result is that E-Commerce is no longer a novelty, it has become a business necessity. Unfortunately, this is not the good year that we have experienced. This year is a pandemic. Since the pandemic began, everyone was advised to be extra careful, practice proper hygiene, and practice social distancing. Whereas at some area's lockdown is implemented so that people won't go outside. So, in this situation, it is very helpful to buy the co-vid essentials A shopping cart is a software application that it is useful for the people that is searching for a product, adding a selected product to a basket. Basically every shopping cart shares the below structure.

a) Databases stores the information about product details, customer data, order information

LITERATURE SURVEY:

Web based business has sprouted throughout the long term and is one of the quickest developing spaces in the online world. In spite of the fact that it required some investment for this to be acknowledged by the end-clients, today we are at a point where most individuals prefer to shop on the web. There were various concerns spinning around. web based shopping at its dispatch, yet over years individuals will in general have begun confiding in electronic-trade for all their shopping needs. All transactions would be handled electronically or online stores facilitates all the various shopping-related activities, including the purchase and sales of goods and services, shipping, billing, etc through online.

EXISTING SYSTEM:

In this pandemic situation, people are showing interest to buy essentials online where existing systems don't provide co-vid essentials separately online with affordable cost. Now a days for shopping is to visit the shops and market manually and then from the available product list one needs to choose the item he or she wants and then pay. In this systems people need to waste some of their time by going to the market physically and select items only that are present in that shop. So it is very difficult to get the product as our wish. Description about the products is less available and are mostly verbal only. For this people need to spend some extra time. Also, not good markets exist everywhere, so many times good markets become out of reach for certain people. In the proposed system customers need not go to the shops to purchase the products. The customer can order the product they wish to buy through the use of this system. Sometimes shop owner may become the admin.

DISADVANTAGES:

- Unable to purchase medical essentials at a cheaper rate.
- Unable to examine the authenticity of the product.
- Some people don't trust buying online.
- There are some frauds having fake websites.

PROPOSED SYSTEM:

In this way people can easily buy co-vid essentials without going outside. People can buy covid essentials at a cheaper cost without any physical contact and they can buy these products at any time. A Web Service-based e-commerce system will have Flexible system architecture, well defined software components, Multiple information, and data access channels. A practical strategy to improve the overall efficiency of existing systems at a low cost. In the proposed system customers need not go to the shop to buy the products. The customers can order the product they wish to buy through the application on their pc/laptop.

ADVANTAGES:

- Faster buying of necessities.
- Easy to find products.

- There is a availability of 24x7.
- Good quality of service with cheaper prices.
- Low operational cost.
- There would be no physical company setup.



Figure 1:Architecture Diagram for E-Commerce Website

IMPLEMENTATION:

While there are many software tools to develop and implement the web-based online shopping system we have chosen those, that are internet. so that will reduce the developing cost of the project. For designing the project, HTML, CSS, WAMP and XAMPP as the webserver, PHP for making the system dynamic, MySQL as database server have been used.

HTML:- for design structure.

PHP:- to make the web page dynamic and for interconnecting with the database.

MySQL:- database server used for the web application that runs on a server.

XAMPP and WAMP :- They are a free and internet cross-platform.

TESTING:

Testing is a process, which reveals the error in the program. It is the major quality measure for the employee during software development. While if we perform testing the program will execute with some test cases for the test cases is evaluated to determine if the program is performing as it is expected to perform.

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design, and coding. The increasing visibility of software as a system element and attendant costs associated with a software failure are motivating factors for we planned, through testing. Testing is the process of executing a program with the intent of finding an error. The design of tests for software and other engineered products can be as challenging as the initial design of the product itself.

Black Box Testing

In this strategy some test cases are generated as input conditions that fully execute all functional requirements for the program. This Testing is used to find out errors in the below categories:

- There should be incorrect or missing functions
- There are some interface errors
- Errors in data structure or external database access
- Performance errors
- Initialization and termination errors

In this testing the output will be checked.

White Box Testing

In test cases are generated on the logic of each module by drawing flow graphs of that module and logical decision are tested on all the cases. It has been uses to generates the test cases in the following cases:

- Guarantee that all independent paths have been executed.
- Execute all logical decisions on their true and false slides.
- Execute all loops at their boundaries and within their operational bounds.

Functional Testing To Maintain Quality

It helps to identify bugs that leads to ruin the customer experience.

For an e-commerce application, critical features that need functional testing include:

- Login system
- Search
- Order details page
- Cart or bag page

Performance Testing For Better Stability

This testing is used to find the application's speed, scalability, and stability under varying user loads. For instance, as e-commerce sales volumes soar during peak times like any festival or occasion , at that time there will be more traffic that makes the system slow.

RESULTS:



Figure 2: Home Page

Figure 3: Register Page

Figure 4: Login Page

Product Name	Product Code	Description	Units Available	Price (Per Unit)	Action
Face Shield	ESSEN1	Complete Face Protection Face shield provides complete face protection. Face shield is made of polyethylene terephthalate. Can be easily cleaned using soap and water. It comes with an elastic headband that can be easily adjusted properly on all head sizes.	25	₹125.00	Add to Cart
Dettol Disinfectant	ESSEN2	Dettol Antibacterial Surface Disinfectant kills 99.9% of Germs & Viruses and is ideal for fast and hygienic cleaning. Safe for use on most hard, non-porous surfaces, kitchen and touched surfaces. Convenient spray format, simply turn red nozzle to on position and spray directly onto the surface.	53	₹120.00	Add to Cart
Digital Thermometer	ESSEN3	Water proof Flexible Tip Digital Thermometer Conforms to international standards of safety and hygiene. Flexible probe for easy insertion into mouth or rectum. Made from premium quality materials that are safe and non-toxic.	45	₹240.00	Add to Cart

Figure 5: Products Page

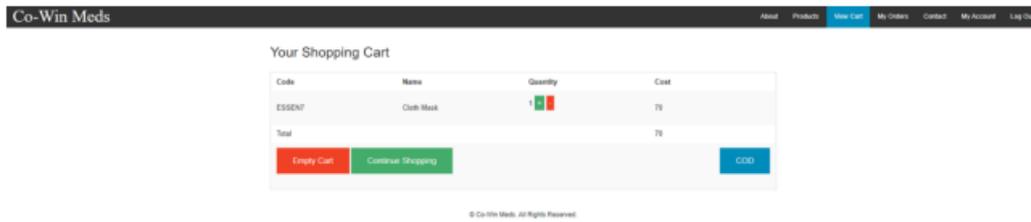


Figure 6: View Cart Page



Figure 7: My Orders Page

CONCLUSION:

E-commerce is a helpful technology that gives the consumer access to all co-vid essentials and medical necessities. Having your e-commerce website helps better understand the customers. Also, everyone can understand how an e-commerce website works. E-commerce is continuously progressing and is becoming essential for businesses as technology continues. Our site is simple and easy to operate, making it easier for the customers to buy the products with ease.

FUTURE SCOPE:

In the future, our project will be confirmed as the major tool for the sale of co-vid essentials which also includes basic medical necessities. Considering the situation of the Covid-19 pandemic, consumers will continue to prefer online purchasing to avoid unnecessary hassles. Hence, our website will be very helpful for people to access medical needs regardless of the on-going pandemic.

REFERENCES:

We have taken help from various resources that helped us complete this project. The websites that we have referred to while doing this project are:

- W3Schools Online Web Tutorials

- Learn, Code, Get the Job | gitconnected
- PageDart | Helping you fix your website
- Stack Overflow - Where Developers Learn, Share, & Build Careers
- RingCaptcha - Real Users, Real Contact
- Lemsgarden. (2012). What are advantage and disadvantage of traditional shopping.
[http://wiki.answers.com/Q/What are advantage and dis advantage of traditional shopping](http://wiki.answers.com/Q/What_are_advantage_and_dis_advantage_of_traditional_shopping)
- HowStuffWorks.com, E-Commerce, <http://www.howstuffworks.com/ecommerce.htm>.