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Myshop: E-Commerce Website Using Laravel Framework

[1]Nirupam Gangurde, [2]Vaibhav Baviskar, [3]Prof.Chetan Patil

[1,2,3] Dept. of Computer Engineering, Pune Vidyarthi Griha's College of Engineering & S.S. Dhamankar Institute of Management, Nashik, -422004.

ABSTRACT-

Electronic commerce is the process of conducting business over computer networks. A person sitting in his chair in front of a computer can access all the capabilities of the Internet to buy or sell products. Unlike traditional commerce, which is physically conducted with the effort of a person to get products, e-commerce has made it easier for people to reduce physical labour and save time. E-commerce, which began in the early 1990s, has made a great leap in the world of computers, but the fact that has hindered the growth of e-commerce is security. Security is the challenge that e-commerce faces today, but there are still many advances in the field of security. The main advantage of e-commerce over traditional commerce is that users can browse online stores, compare prices, and order goods from home. PC To increase the use of e-commerce in developing countries, B2B e-commerce is being introduced to improve access to global markets for companies in developing countries. For a developing country, progress in e-commerce is essential. The research strategy shows the importance of e-commerce in developing countries for business applications.

Keyword: domain modeling; e-commerce; model view controller; object-oriented programming; online shop.

INTRODUCTION:

Electronic commerce means e-commerce refers to the wide range of the online business activities for products and services. It is usually associated with online buying and selling over the Internet or with conducting transactions involving the transfer of ownership or rights to use goods or services over a computerised network. In our eyes, this is a new dimension of the diverse use of the Internet, and our goal is to make it trendy in our country, where its use is particularly low. Due to the highly contextualised culture, it is very important to build trust between the people interested in a transaction. E-commerce in Bangladesh started in 1999 in the US with some non-Bangladeshi residents. Our motto is to develop a rich e-commerce website in our country, which should be widely accepted by customers.

EXISTING SYSTEM :

Flipkart is an Indian e-commerce company headquartered in Bangalore, incorporated in Singapore as a private limited company. The company initially focused on selling books online before expanding into other product categories such as consumer electronics, fashion, home goods, groceries, and lifestyle products.

The service primarily competes with Amazon's Indian subsidiary and domestic rival Snapdeal. In March 2017, Flipkart held a maximum market share in the Indian e-commerce industry. Flipkart has a dominant position in the apparel segment, strengthened by its acquisition of Myntra, and has been described as "neck-and-neck" with Amazon in sales of electronics and cell phones. Flipkart, Amazon, and orther E-commerce websites also owns PhonePe, a mobile payment service based on UPI.

Amazon is one of the most popular online marketplaces used by both individuals and businesses, and its website is available in many different countries and languages. Amazon Kindle is one of the company's most popular products, as is the Amazon App Store. Finally, Amazon also offers software and infrastructure solutions for businesses and individuals

OBJECTIVE OF SYSTEM :

1. QR code containing product page details.

2. Payment integration using Paypal.

3. Price reduction notification to particular user.

4. Customer support using chatbot.

5. comparison between products.

6.   Direct link sharing feature.

7.   Separate section for medicine.

8.   Emergency Delivery service for medicines.

9.   Automatic medicine deletion after date of expiry.

10. Product voice Search.

LITERATURE SURVEY :

As we all know about the, internet and e-commerce are entirely committed towards every developed country. But we think it can be accomplished and can make a remarkable benefit for developing countries, even if an ideal business purpose can be made. Ohidujja man et.al clearly discussed that e-commerce is a revolutionary turning point in online business practice and can make a huge contribution to the economy, and Hasan et.al also pointed out that currently e-commerce organizations have increasingly become a fundamental part of business strategy and a powerful catalyst for economic development.

A large number of researches have been conducted on e-commerce, which basically refers to online shopping. A large group of researchers have found out and pointed out the necessity and opportunities of online shopping. On the other hand, the limitations of e-commerce have also been pointed out, and at the same time, significant suggestions have been made to make online shopping more useful for consumers. But the contribution of traditional marketing is also inevitable, but compared to online shopping, we believe it is less effective. Based on this, Mehrdad Salehi found out a difference between online marketing and traditional marketing. Although most of the people in Bangladesh, especially the rural people, are not able to use the internet to do online business. For this reason, they depend on traditional marketing. A literature review on culture and e-commerce website design was conducted. Cultural aspects and e-commerce website design will play an important role in successful global e-commerce sites in the future. The future success of businesses will depend on e-commerce. To be competitive in global e-commerce marketplace, local businesses need to focus on designing culture-friendly e-commerce websites. As far as I know, little research has been done on the relationship between culture and e-commerce website design.

PROPOSED SYSTEM :
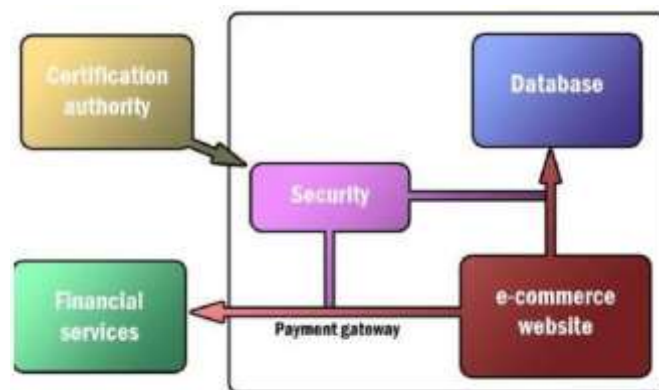
E-commerce, also known as Electronic commerce or internet commerce, refers to the buying and selling of goods or services over the internet and the transfer of money and data to complete those transactions.

The potential client have to think about how the virtual store will look, which features they need and payments they'll accept, as well as how they'll handle shipping and inventory management. You swim in these details every day. But for an outsider, it can be overwhelming.

There are four main types of ecommerce models that we are going to provide that can describe almost every transaction that takes place between consumers and businesses.

1. Business to Consumer (B2C):

When a business sells a good service to the individual consumer (e.g. You buy a pair of shoes from an online Shop).

2. Business to Business (B2B):

When a company sells a good or service to another company (e.g., a company sells software-as-a-service for other companies to use)

3. Consumer to Consumer (C2C):

When a consumer sells a good or service to another consumer (e.g. you sell your old furniture on eBay to another user or consumer).

4. Consumer to Business (C2B):

When a consumer sells his or her own products or services to a business or organization (e.g., when an influencer provides his or her online audience for a fee or when a photographer licenses a business to use his or her photograph)

Existing e-commerce systems have some drawbacks that create problematic situations for consumers, which we are trying to overcome so that interactions can proceed smoothly. The disadvantages, such as accepting payments through Paypal or other global currencies, are not available, so we are trying to integrate Paypal into our system.

The e-commerce management system has many advantages compared to traditional stores because you can compare the cost of a product with other e-commerce websites, and if a user does not like a product he/she can return it. While we can make use of the current technology to overcome the problem with the existing system.

SYSTEM ARCHITECTURE :
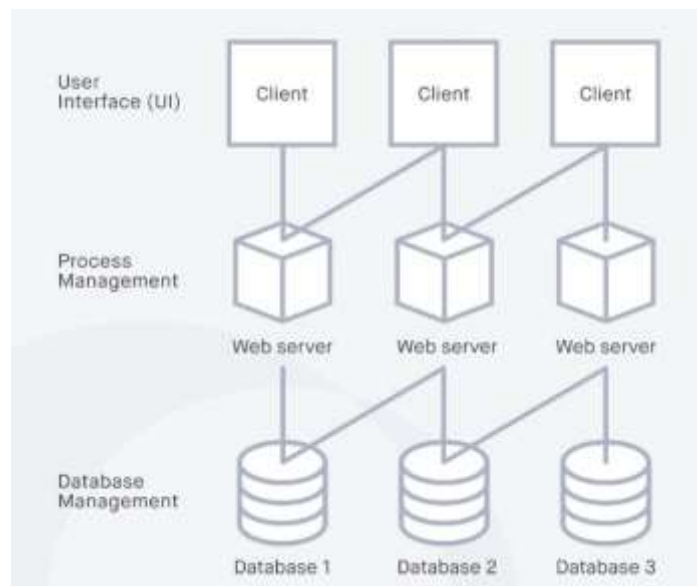
ECOMMERCE ARCHITECTURE:

Three-Tier Architecture: In three-tier E-Commerce site architecture, in addition to client and database, there is an extra middle layer in, a server-side. This forms three layers of the architecture.

1.Presentation layer (client)

2.Application layer (business logic)

3.Database layer (database)

One of the biggest distinctions in this type of the architecture is that a each layer functions independently, runs on the different servers, and is it treated as a separate module when it comes to its development, modification, or maintenance.

ADVANTAGES :

- Convenience
- Wide availability
- Faster buying process
- Easy Customer Service
- Personalized Recommendations

APPLICATION :

Retail and Wholesale : E-commerce has many applications in this sector. E-retail is essentially B2C and in some cases B2B sales of goods and services through online stores designed with virtual shopping carts and electronic catalogs. A subset of e-retail is m-commerce or mobile commerce, where a consumer uses their mobile device to purchase goods and services through the retailer's mobile-optimized website. These retailers use the e-payment method: they accept payments via credit or debit cards, online wallets, or Internet banking without printing paper invoices or receipts.

Online Marketing : This refers to collecting data on consumer behavior, preferences, needs, buying patterns, etc. It helps in marketing activities such as pricing, negotiating, improving product features, and building strong customer relationships, as this data can be used to provide customers with a tailored and enhanced buying experience

Online Booking : Almost all of us have done this at one time or another: book hotels, vacations, airline tickets, travel insurance, etc. These bookings and reservations are made possible by an internet booking engine or IBE. It is mainly used in aviation, tour operators and hotel industry.

Digital Advertising : Online advertising uses the Internet to deliver advertising materials to consumers; there is a publisher and an advertiser. The advertiser provides the ads, and the publisher integrates the ads into the online content. Often, it is creative agencies that create the ads and even help with placement. Different types of ads include banner ads, social media ads, search engine marketing, retargeting, pop-up ads, etc.

ALGORITHM/TECHNOLOGY:

Technologies in brief:

Laravel: Laravel seeks to ease development by simplifying common tasks used in most web projects, such as authentication, routing, sessions, and caching. Laravel aims to make the development process pleasant for the developer without compromising the functionality of the application.

Javascript: JavaScript is a scripting language that allows you to create dynamically updated content, control multimedia, animate images, and pretty much anything else.

HTML and CSS: The website created with HTML and CSS will serve as an interface. The website will be structured with HTML elements and the styling of the website will be done with CSS.

Bootstrap: Bootstrap is a free, open source front-end development framework for building websites and web applications. Bootstrap is designed to enable responsive development of websites for mobile devices and provides a collection of syntax for template designs.

Phpmyadmin: PhpMyAdmin is a database management tool for MySQL compatible databases. The current version of phpMyAdmin supports MySQL 5.5 or higher at the time of this writing. If you are using MySQL 5.0-5.4, you must be using phpMyAdmin 4.0. The current version of phpMyAdmin also supports MariaDB 5.5 or higher.

PHP: PHP is an open source server-side scripting language used by many developers for web development. It is also a general-purpose language that you can use to create many projects, or Websites, including graphical user interfaces (GUIs).

HARDWARE REQUIREMENTS :

• **Processor :** Pentium IV/Intel I3 core

• **Speed :** 1.1 GHZ

• **RAM :** 512 MB (min)

• **Hard disk :** 20 GB 3.1.2

SOFTWARE REQUIREMENTS :

• **Operating System :** Windows xp/7/8/10

• **Software Version :** Laravel 8.0.0, Bootstrap 5

• **Front End :** HTML 5, CSS3, Java Script, JQuery,   Bootstrap

• **Backend End :** Laravel, Php, MySQL

CONCLUSION:

E-commerce still represents one of the business methods that bring benefits if done properly, even though the stock market and commodities have fallen, but e-commerce is still able to survive and get high transactions. E-commerce has a tremendous opportunity in the course of business in Malaysia. In

addition, it is also to introduce new techniques and styles in a transaction. Use the extensive e-commerce in the internet world is better to bring the goodness of the individual or the state

BIBLIOGRAPHY:

[1] Global Electronic Commerce: Theory and Cases, by Chris Westland and Ted Clark, MIT Press, 1999.

[2] E-Business - Roadmap for Success, by Ravi Kalakota and Marcia Robinson, Addison-Wesley Publishing Company, Inc,. 1999.

[3] Electronic Commerce - A Manager's Guide, by Ravi Kalakota and Andrew B. Whinston, Addison-Wesley Publishing Company, Inc., 1997 4. Statista

[4] Howladar, M.H.R, Mohiuddin, Prof. M. Dr. M. G. Islam, M. M. (2012). Developing Online Shopping Intention among People: Bangladesh Perspective. International Knowledge Sharing Platform, 2(9).Retrieved from https://www.researchgate.net

[5] Daniel A. Menasci, A Reference Model for Designing an E-Commerce curriculum, IEEE Concurrency, Vol.8, No.1, 2000, pp. 82-85.

[6] Chiwei Lan, Chunchou Chien, Mengyen Hsieh and Irene Chen, A Mobile ECommerce Solution,Proceedings of IEEE International Symposium on Multimedia Software Engineering, 2000, pp. 215222

[7] Munindar P. Singh, An Evolutionary Look at E-Commerce, IEEE Internet Computing, Vol.5, No.2, 2001, pp. 6-7. [8] N. Bansal, A. Blum, and S. Chawla, "Correlation clustering," Mach. Learn., no. 1-3, vol. 56, pp. 89-113, 2004

[9] Brown, M., Pope, N. Voges, K., 2, (2003). Buying or browsing?: An exploration of shopping orientations and online purchase intention. European Journal of Marketing,37(11/12), 1666- 84.doi:10.1108/03090560310495401.

[10] Howladar, M.H.R, Mohiuddin, Prof. M. Dr. M. G. Islam, M. M. (2012). Developing Online Shopping Intention among People: International Knowledge Sharing Platform, 2(9).Retrieved from https://www.researchgate.net