

E-Commerce Website Using PHP

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Abstract: This project titled “E-commerce” website using PHP. The aim to build a responsive website which involves buying and selling of goods and services. Now, user can browse online shops, compare prices and order merchandise sitting at home on their PC. Much like a traditional physical retail store, e-commerce websites allow consumers to buy and sell to one another on a designated platform.

Searching for an item, seeing the description, adding to cart – all steps happen in no time at all. In the end, the buyer is happy because he has the item and didn’t have to travel far. Here the seller has full control over customization, he can mention offers available, discounts etc. It provide flexibility to customers, the product and services are ready 24x7.

I. INTRODUCTION

E-commerce is the buying and selling of goods and services. E-commerce shops have become part

of our daily lives. Technological advancement has made it possible for people to sit in the convenience of their homes and still shop online without going to a physical shop.

This project has all the required essential features. This project has a user side where he/she can

view product category and add products to cart and proceed for checkout whereas from administration side he/she can view sales, number of product, users, daily sales report, add product

and categories. The user can also leave comments on each product if he/she wants. In this project, all the main functions are performed from the Admin side.

B. Scope

E-commerce has bloomed over the years and is one of the fastest-growing domains in the online

world. The penetration of the internet and smartphones to the more remote areas, a number of

people would opt for online shopping as they have lesser facilities for shopping online

The market place is flooded with several ecommerce options for shoppers to choose from. In the

recent past, the growth of e-commerce industry in India has been phenomenal as more shoppers

have started discovering the benefits of using this platform. There is enough scope for online

businesses in the future if they understand the Indian shopper’s psyche and cater to their needs.

Listed below are the reasons that guarantee the future prospect of E-commerce in India.

- Enhancing domain registrations
 - Rising internet users
 - Easy access to internet
 - Awareness about internet even in rural areas
 - Growing need for E-commerce
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II. LITERATURE RIEW

E-Commerce implementation is always related to e-Commerce adoption. Adoption of eCommerce within organization is growing by numbers continuously. However, as organizations grow over time, e-Commerce becomes more complex and challenging. This is mainly due to organizations insights of e-Commerce as part of their constrained costs rather than an opportunity for growth.

pointed out that cost in general is not a main barrier for organizations to implement e-Commerce, but, the relative advantage for the organizations is critical role in adoption decision. Moreover, organizations fail to identify the change in organization and management structure that may be required due to e-Commerce implementation as they do not usually incorporate any e-Commerce strategy that would permit them for effective e-Commerce implementation.

III. PROJECT OBJECTIVE

The main objectives of E-Commerce website are:

- The objective is to manage Online Selling costs in a strategic way.
- E-Commerce drives profitable growth by expanding customer reach, reducing cost-to-serve, and creating differentiated customer experiences.
- Build an e-Commerce store with builder fly to maximize reach, multiply business relations to any part of the world, and engage with every user online.
- Customize a unique experience for customers and stand out from the crowd.
- Make consumers focus point and interact with them to give them an incredible experience.
- E Commerce store can help in automate most of services and save time updating the status of sold goods, creating invoices, and more.
- No reach limitations A seller with a physical store may only be able to reach a certain number of buyers. They can deliver to the customers' homes but there can be distance limitations. Several e-commerce marketplaces have their own logistics and delivery system
- E Commerce platform not only helps you to sell your goods but offers better services to your audiences like fast delivery, quick check-outs, better product information, and more .

IV. EXISTING SYSTEM & PROPOSED SYSTEM

Existing System

This system is online platform for buying or selling of product. E-commerce functions or features that are commonly listed in the literature include product presentation, order entry, order confirmation, payment, order fulfilment , and customer service.

Proposed System

The E-commerce Management System has many advantages, compare to traditional store as one can compare the cost of a product with other e-commerce websites, and if a user dislikes any product he/she can return it. While we can make use of the current technology to overcome the problem with the existing system. The E-commerce Management System companies can use a flying robot, so when a user places an order, the company will send the product through the robot. The robot will find the user by using the GPS, and in this way, we can reduce the time to deliver a product. While before sending a product the e-commerce company will check the product that it is same or not with the requested order.

V. CONSTRAINTS IDENTIFICATION

There are six major constraints in project management to consider.

1. Time-

The project's final completion date is 15th May,2022.

2. Cost-

As our project is website based and hence as of now cost of project is negligible.

3.Scope –

The scope of this project is to make easier for the users to purchase their required stuff easily and with the utmost comfort.

4. Quality -

We are hoping for the better quality in terms of user friendly and timely compilation of the project.

5. Benefits -

This website will help the customer in buying goods online. It has online payment option which

will further add convenience to the users.

6. Risks-

Risk of website not working properly. Even in case of poor internet connectivity our project won't

work. Or working with slow rate due to over load.

VI. MODERN TOOLS AND LIBRARIES USED IN PROJECT

Windows 10 operating system has been used for stable and supportive features.

➤ A system with minimum 2 GB RAM required.

➤ VS code-

• Visual studio code is a source code editor made by Microsoft for windows , linux and macros. Features include support for debugging, syntax highlighting, intelligent code

completion, snippets, code refactoring, and embedded Git. It is the most widely used code

editor by the developers .

➤ Chrome browser

• Google Chrome is a cross-platform web browser developed by Google. It was first released in 2008 for Microsoft Windows built with free software components from Apple WebKit and Mozilla Firefox. It was later ported to Linux, macOS, iOS, and Android where it is the default browser built into the OS.

Further this project has been divided into two sub-divisions :

➤ Front -End- It specifies the appearance of website .

➤ Back-End- It includes the management of data at the back-end of website.

- For Front End designing we have used HTML, CSS & JAVASCRIPT.
 - For Back End maintenance PHP & MySql has been used.
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VII. DISCUSSION AND REPORT/RESULTS ANALYSIS

1. We discuss B2C and B2B2C ecommerce business models and put an analysis on these models.
 2. Develop prototypes that enable a user to see how human website interaction will occur.
 3. Record the data of Items that are registered by vendor and the Categories that are in stock/Out of stock
 4. Use multiple expectations and needs to measure the popularity of a product.
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VIII. CONCLUSION

Our project is only a humble venture to satisfy the needs to manage their project work. Several user-friendly coding has also been adopted. The objective of the software planning is to provide a framework with a limited project completion time frame at the beginning of the project and should be updated on a regular basis.

- ✓ -With the help of this web service, the customer will be to fulfil need of goods.
- ✓ -We checked all the modules in different web browsers and we got exactly the outcome from the web service we expected.
- ✓ -We ran various existing and new user accounts on our web application, and all the processes went efficiently without a single error.

- ✓ We even checked the database connectivity and performance from the back-end using PHP my admin. We found that all the changes being made during runtime by the user using the various module features of the web application in a specific web browser is getting stored and updated in the MySQL database side by side.
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