E-commerce site

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Abstract

Electronic Commerce is process of doing business through computer networks. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the product.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 B2B e-commerce is implemented for improving access to global markets for firms in developing country.

1.INTRODUCTION

Web development is a dynamic and rapidly evolving field that encompasses the design, creation, and maintenance of websites and web applications.Web development involves two main components: frontend and back-end development. Front-end development focuses on creating the user interface and user experience of a website or application.On the other hand, back-end development deals with server-side logic and database management.

E-commerce is a digital environment that enables commercial transactions to take place between organizations and individuals. Some benefits of e-commerce are low cost, user access convenience, safety and reliability, and not being limited to space and time. The benefits and ease invite many users who use e-commerce as a means of purchasing goods or services..

2.METHODOLOGY

Some studies have utilized user activity when interacting with a website as recorded in click-stream data to discover visitor interest. One of the main indicators of visitor interest identified by the researchers was the duration or time spent on a web page [19,20,25,27]. A visitor activity model can be built based on the time spent by a visitor on the website's pages to find user interest, especially for products offered on e-commerce websites, by using techniques from web usage mining. The methodology is presented in Figure 1.
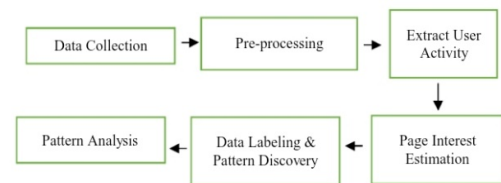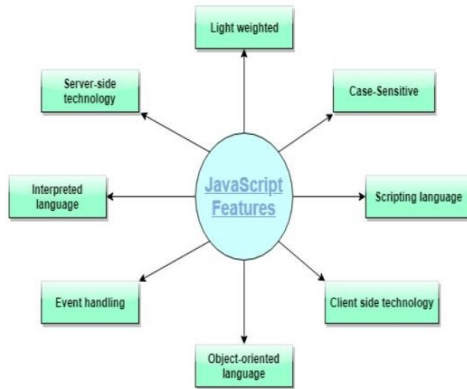

Figure 1 Methodology for user activity analysis in e-commerce.

Fig1

JavaScript: JavaScript is a versatile and widelyused programming language primarily used for creating interactive and dynamic content on web pages. It's an essential component of web development, enabling developers to add behaviors, manipulate the DOM (Document Object Model), and interact with users and their browsers In the Below Fig2 there is the feature of JavaScript

Feature of Java Script
Fig (2)

3.Feature of Project
Below there is a Feature of Project: -
- Product CatLog: Display a wide range of products with detailed descriptions and images.
- Shopping Cart: Allow users to add products to their cart for easy checkout.
- Secure Payment Gateway: Provide a secure and seamless payment process for customers.
- User Accounts: Enable users to create accounts, save their preferences, and track their orders.
- Search Functionality: Implement a search bar to help users find specific products quickly.
- Order Management: Allow administrators to manage orders, track shipments, and handle returns.
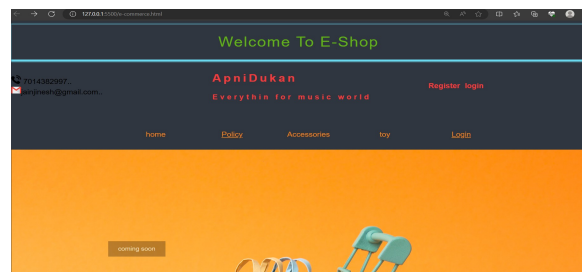- Reviews and Ratings: Enable customers to leave feedback and ratings for products.

4. Demerits of e-commerce
- Lack of personal interaction: Unlike physical stores, e-commerce websites lack the personal touch and face-to-face interaction with customers.
- Potential security risks: Online transactions can be vulnerable to security breaches and fraud, so it's important to ensure that the website has robust security measures
- Dependence on technology: E-commerce websites heavily rely on technology, so any technical issues or downtime can disrupt the shopping experience.
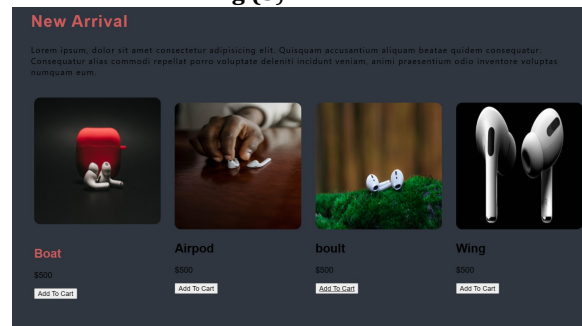- Inability to physically examine products: Customers can't physically touch or try on

products before purchasing, which can sometimes lead to dissatisfaction.
- Shipping and delivery delays: Depending on various factors, such as location and logistics, there can be delays in shipping and delivery of products.

5.Project Description

It is e-commerce Website Which We canBook our ear-phone.itis anInteractiveWebsite   Where we placed the order of earphone for any brand. Here, In This First We show our interface For using this Website Ref to Fig (3) and Fig(4)

Front page of this Website
Fig (3)

Fig(4)
When we click on the product a new page of that product is open. now new page give the information about the product. after this we have a option for add to cart and place order if we want to placed the order then a form is open .as Fig [5] appears on the Window.
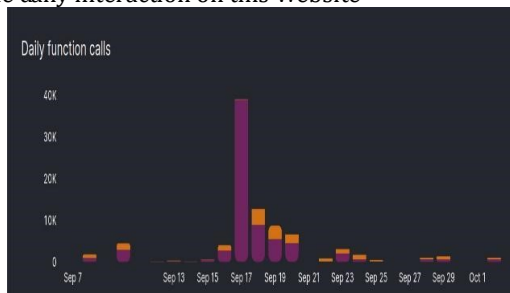
**Payment Interface of this Website
Fig [5]**

For Backend I use convex which provides Backend Service and manage all the data including creating new account and login the account. And the Fig [6] it tell about the daily interaction on this Website

Daily interaction on this Website Fig [6]

6.IDE TOOLS

Visual Studio Code (VS Code) is an indispensable tool for web developers, offering a robust and versatile platform to streamline the web development process. At its core, VS Code functions as a code editor, providing a userfriendly interface where developers can write, edit, and organize their code effortlessly. Equipped with a plethora of extensions and plugins, VS Code enhances functionality and customization, allowing developers to tailor the environment to their specific needs.

Editor Features:
1.Syntax-highlighting
2.Real time error checking
3.Code formatting

**Visual Studio
Code Fig
[7]**

Here, is the Snapshot of code which used in the development of this project (ref to Fig (8)).

**Snapshot of
Sourcecode
Fig [8]**

7.Conclusion

This research paper presents the successful design, development, and evaluation of a Voice chat website using modern web development technologies. The website demonstrates modern messaging and providing information, through the voice chat and showcasing the potential of web development in the Modern World. Future work will focus on further enhancements based on user feedback and integration of additional features to meet evolving healthcare needs

8.Acknowledgment

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