

E-COM STORE: ONE POINT SOLUTION TO ALL REQUIREMENTS

¹Mukul Saini, ²Kumar utkarsh, ³Hira Ranjan, ⁴Mrs. Divya Saini
^{1,2,3}B.Tech Student, ⁴Assistant Professor
^{1,2,3,4}Department of Computer Science and Engineering
Arya Institute of Engineering Technology & Management

Abstract: - In the modern world of Information Technology, everything is coming at our door steps. With the pandemic like COVID-19 has increase the need that all items of daily use should be made available to us at our door steps. Seeing the scenario, we have developed the ecommerce platform which caters all the needs of online shopping, with attractive and efficient layout and wide range of products to purchase.

Keywords: - Online Shopping, E-Commerce, Home Delivery

1. INTRODUCTION

An ecommerce platform is a start to finish programming arrangement that permits online retailers to deal with their business. This sort of administration envelops ecommerce web designers, bookkeeping and stock administration frameworks, just as client care infrastructure. Running an online store is a mind-boggling undertaking that requires numerous cycles, from building a site to tolerating installments and overseeing stocks. Programming arrangements permit you to deal with these cycles and remove the cerebral pain of managing every angle separately. [1]

Ecommerce has arisen as the single greatest development driver in the overall commercial center. eMarketer, a main free economic specialist, predicts worldwide B2C ecommerce deals will reach \$1.5 trillion this year, a 20 percent expansion from 20131. Furthermore, as per Forrester Research, B2B ecommerce spending in the U.S. alone came to \$559 billion of every 20132. Assuming ecommerce is essential to your business, the arrangement you pick is ostensibly quite possibly the main business choices you will make. [1]

At its least difficult structure, ecommerce programming empowers a business to sell items and administrations online. Customarily, organizations needed to buy on-premise, independent ecommerce programming that necessary broad IT arrangement and in-house the board with specific improvement groups. These arrangements were for the most part exorbitant, not versatile, testing to work with, and tedious to modify and coordinate with different frameworks. [2]



Fig 1 Ecommerce Website

Ecommerce programming gives the client confronting front end segment of an online business. Online organizations, similar to any remaining organizations, need extra programming to oversee back end capacities like bookkeeping, request the executives, stock administration, and client support. Sorting out various programming answers for make a total ecommerce business platform is confounded, requires successive upkeep and infrequently works productively. [2]

Luckily, another type of business programming incorporates all the required trade and business usefulness into a solitary ecommerce platform by means of a product as-a-administration (SaaS) model. With a framework that brings together business applications and the information that takes care of them, it is feasible to make significant, drawing in and customized online encounters. [2]

Envision an ecommerce platform that permits client assistance reps to have a solitary perspective on a client across all channels, a brought together request and stock administration framework that can productively satisfy orders from every one of your business channels, including physical stores, or use a client's organization history information to give customized and applicable offers. The prospects exposed with the coming of a total ecommerce platform for business streamlining and improved efficiencies just as extended client commitment and fulfillment are restricted exclusively by one's inventiveness. [2]

2. PROBLEM STATEMENT

- ❖ E-commerce provides an easy way to sell products to a large customer base. However, there is a lot of competition among multiple e-commerce sites. When users land on an e-commerce site, they expect to find what they are looking for quickly and easily. Also, users are not sure about the brands or the actual products they want to purchase.
- ❖ The challenge is also that each category will have a different set of facets to be displayed. For example, searching for books should display their format, as in paperback or hardcover, author name, book series, language, and other facets related to books.
- ❖ The purpose of any e-commerce website is to help customers narrow down their broad ideas and enable them to finalize the products they want to purchase.

3. OBJECTIVE

- ❖ The motto of e-commerce activity is to reach millions of customers easily and to increase sales in business. It generates high revenue in the online industry as the viewers are turning into the audience every day.
- ❖ To spread the small-scale retails into large level business, e-commerce is developed with best-in-class features. In simple, it is a big opportunity for small vendors to huge traffic of customers.
- ❖ Reach out to a larger audience - internet access is becoming so mainstream now that your product/service can reach almost everyone on the planet with a internet-enabled device.

4. PROJECT DESCRIPTION

- ❖ This website is basically a project for the firm “EStore”, Jaipur. In this
- ❖ website the basic attention is given to the establishment of this firm into the
- ❖ E-commerce industry.
- ❖ In this website we have used several aspects of E-Commerce development. It
- ❖ is basically a multipage dynamic E-Commerce Website. Displaying all the Products that they deal in.
- ❖ The website is going to get live with a domain name of “Estore.com”.
- ❖ This project is used with all the latest updates of the technologies like
- ❖ HTML5, CSS3, BOOTSTRAP4, JavaScript, REACT.JS, NODE.JS, MONGODB etc.

4.1 Features of Project

- ❖ Creative UI/UX design, keeping user experience at most key for this project.
- ❖ This Website’s Theme is designed in a way that it will not get outdated soon.
- ❖ Responsive Design.

4.2 Software Technologies used

- ❖ HTML: Hypertext Mark-up Language (HTML) is the standard mark-up for creating web pages and web applications. HTML is the standard markup language for creating Web pages. HTML tags label pieces of content such as "heading", "paragraph", "table", and so on.
- ❖ CSS: CSS stands for Cascading Style Sheets • CSS describes how HTML elements are to be displayed on screen, paper, or in other media • CSS saves a lot of work. It can control the layout of multiple web pages all at once • External style sheets are stored in CSS files.
- ❖ JavaScript: JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.
- ❖ Bootstrap is a free front-end framework for faster and easier web development. Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins.
- ❖ ReactJS is an open-source, component based front end library responsible only for the view layer of the application. It is maintained by Facebook. ReactJS uses virtual DOM based mechanism to fill in data (views) in HTML DOM. The virtual DOM works fast owing to the fact that it only changes individual DOM elements instead of reloading complete DOM every time.
- ❖ Node.js is an open source server environment. Node.js is free. Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.). Node.js uses JavaScript on the server.

5. PROJECT IMPLEMENTATION

We have implemented the live website for the ecommerce store and the snapshots for the website are presented below,



Fig 2 Home Page

The fig 2 shows the home page for the ecommerce website which is used for welcoming the user.

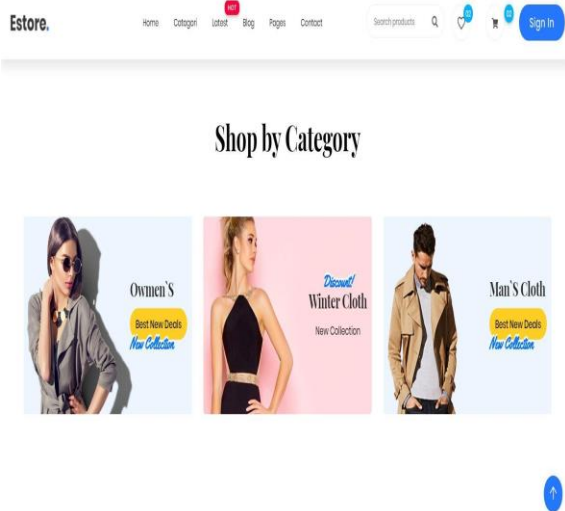


Fig 3 Category Shopping

The fig 3 shows the option which is related to the category-based shopping. According to the category which is selected by the user, the products under that category will get listed out.

On the basis of the sales and rating by the customers, the best ranked product for the month is evaluated, in fig 5 the best product of the month according to that will be listed on the ecommerce website.

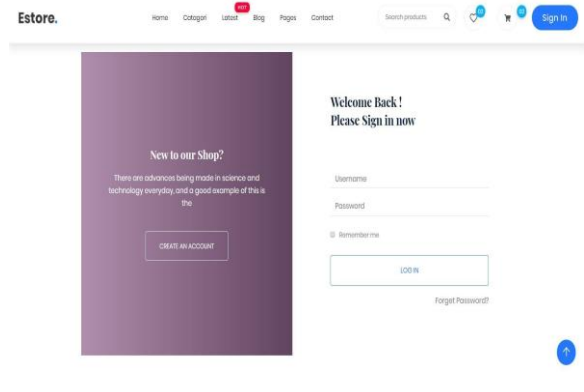


Fig 6 Customer Sign up

In the store we have the facility of the customer sign up so the customer accounts can be maintained, so that they can browse up their orders and also track the status of the orders.

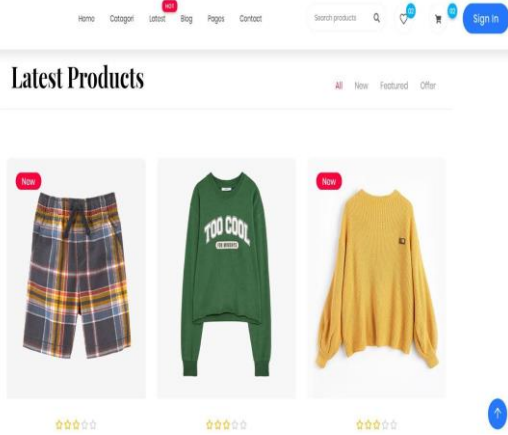


Fig 4 Latest Products

In the ecommerce site we have the section for the latest products from which the latest addition of the products on the store can be directly accessed.

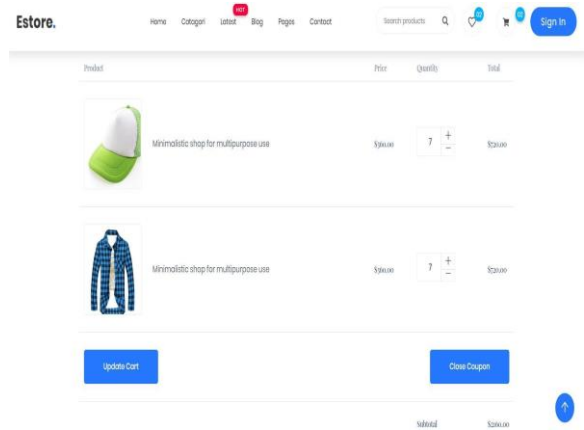


Fig 7 Cart

The fig 7 shows the Ecommerce store cart with the well-defined section for the product chosen by the customer, quality purchased and total amount of purchase.

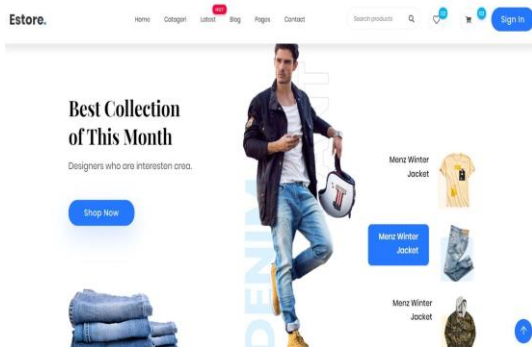


Fig 5 Best Collection

6. CONCLUSION AND FUTURE SCOPE

Websites are playing important part in improvement of business. 70% of the population is using dynamic and interactive websites because of their eye capturing visual effects. Static websites also have their own place for the platform where there is specific information required. Static websites require less investment as compare to dynamic websites.

E-Commerce is not just about conducting business transactions via the Internet. Its impact will be far-reaching,

and more prominent than we know currently. This is because the revolution in information technology is happening simultaneously with other developments, especially the globalization of the business. The new age of global e-commerce is creating entirely new economy and that will tremendously change our lives, will reshape the competition in various industries, and alter the economy globally. As companies are gaining high profits, more and more other companies are developing their websites to increase their profits. Since more businesses are being held online resulting in high economy development and emergence of a more innovative and advanced technology.

In future we can extend the project with the following updates,

- ❖ Firstly, we are going to add a chatbot which will be able to answer all the queries related to the users.
- ❖ Moreover, will be adding Personalization and Customer Engagement as per the user data

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