

SYNOPSIS

Report on

Acute Eyewear Website

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ABSTRACT

The acute Eyewear Website project is implemented in HTML, CSS, Bootstrap, JavaScript, MongoDB, and Node JS has been used. This is an online shopping project for purchasing optical glasses, frames, lenses and others eye wears. This project has five modules first one is the user, second is the admin, third is the search module, forth the bill generation module, fifth is the report generation module. Firstly, here admin can log in with credentials, and after successful login, the admin can add items, offers, price, discounts and view their details with the delete option. Admin can view booked frames by the user. In this Acute Eyewear Website project application User can register an account and then via login form. After successful login, the user can see different types of frames and consult their problems with an expert, and book a frame with online payment.

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Introduction

This is an Acute Eyewear Website, which facilitates the user to shop online. The customer/user can browse through the categories and buy any product of his/her choice. Once the customer becomes a registered user, he can create his account and manage it the way he likes it.

This application contains some easy navigational and silent features to guide the users while shopping. The search facility helps the users to find exactly what they desire without wasting much of their time. The shopping cart summary serves as a reference for the customer as they continue to browse for more products. The other facilities include advanced search, progress steps, related products, sorted search results, etc.

The application is made user-friendly and convenient to such an extent that the user is never required to type the same information more than once (except for passwords).

The project also includes an administrative control center. From this area, the administrator can fully manage every aspect of the entire store. He can view and process the orders placed by the customers and also edit all its aspects after the order has been placed. He can print receipts and invoices. The inventory management and full vendor management also rest with him. In short, he has total control over all the features of the system.

Project Objective

The objectives of an Acute Eyewear website may vary depending on the specific goals of the business, but some common project objectives could include:

Providing a user-friendly platform for customers to browse and purchase eyewear products online. Offering a wide range of eyewear products, including glasses, sunglasses, and contact lenses, to cater to the needs of different customers. Ensuring high-quality product images and accurate product descriptions to help customers make informed purchasing decisions.

Providing a virtual try-on feature that allows customers to see how glasses or sunglasses would look on their face before making a purchase. Implementing a secure payment gateway to ensure safe and reliable online transactions. Offering fast and reliable shipping options to ensure timely delivery of products.

Providing excellent customer service and support, including assistance with product selection, ordering, and returns. Building a strong online presence through digital marketing strategies such as social media marketing, email marketing, and search engine optimization.

Analysing website performance and customer behaviour data to make data-driven decisions and continuously improve the user experience and overall business performance. Establishing partnerships with eyewear brands and manufacturers to offer exclusive products and discounts to customers.

Methodology

Data objects

A data object is a thing about which you want to store information. It has independent existence and can be uniquely identified. The following data objects are derived for the system

1. Customer
2. Order
3. Product
4. Invoice
5. Category

The following relationships are identified for the system.

For instance let us take the objects CUSTOMER, CATEGORY, PRODUCT, ORDER, BILL the following relationships are identified.

- Customer “places” an Order.
- Order “contains” Product.
- Product “dispatched to” Customer. The relationships between the remaining entities are as follows
- Customer “receives” Invoice.
- Invoice “has” Product

System Software & System Hardware:

- Operating System: Windows , Linex
- Programming Languages: HTML, CSS, Bootstrap, Java Script, ReactJS, Node JS
- Database: MongoDB
- **System Hardware:**

- Processor: core 2 duo
- Hard Disk: 4 GB
- RAM: 500MB

Modules

- 1) **Registration:** In this Registration module, first of all, user can register their Name, Address, and Mobile Number, Email id for Contact. All the customer's data are stored in the database. Registration is an important process for customers.
- 2) **Product Module:** In this module, the admin can add products, edit products, and delete products.
- 3) **Search Module:** In this module, customers can search for any kinds of product from our website without any complexity. They can search the product based on the category or brand.
- 4) **Bill Generation Module:** In this module, customers can easily get their generated bills in pdf format.
- 5) **Report Generation Module:** In this module, an income report will get generated based on a weekly, monthly, and annually bases.

Project Outcome

The goal of this project is to develop a generic web application that can be deployed on a web server and purchase order for the desired products could be placed online.

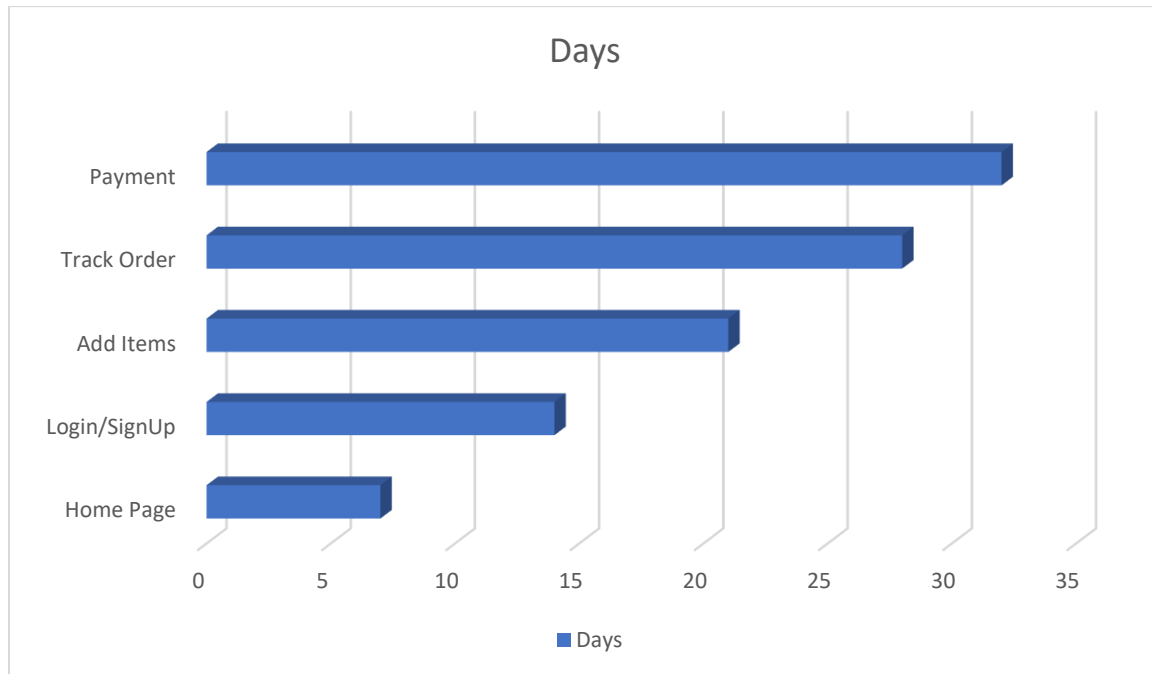
The convenience of being able to purchase eyewear in the comfort of your home without having to travel has made online shopping a massive success. So, convenience of the customer is one of the basic objectives of this application.

A user-friendly environment helps the user to carry on shopping with great ease and efficiency. Moreover, it also helps the owners to attract more customers. So, developing a user-friendly interface can also be considered as one of the goals.

An effort has also been made to see that the customer gets the best quality products at a very reasonable cost.

In short, the key goals are - bringing in the best visitors, promoting a strong brand and making buying easy.

Proposed Time Duration



Reference

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