

Online Book Store using Content Based Recommendation System

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Abstract: In this paper, online book store made easy for users to purchase the book. In online book store recommendation system helps users to search the book that user need. The user can browser books through genre also or user can search the book by it title or author name. It has payment system and order and courier status system. In online book courier status can be seen on this website only. It shows third party courier status.

Keywords: online bookstore, recommendation system, ecommerce

1. Introduction

Currently, it is the era of 4.0 based on the growth of the internet and technology. People use more and more internet in daily life in order to assists their living and to serve their needs such as finding goods/products, services, travel, places, friends and so on. Meanwhile, in the business aspect, it is the era that focuses on digital transformation and innovation. Moreover, to improve marketing, understanding individual needs is really important [16]. In the past, telephone was used for only calling in and out, but at present all telephone devices have changed into smart-phones. The smartphones eventually have integrated as a part of human body. This disruptive technology changed in a decade affected a lot of book stores closed. This is because books, magazines and newspapers turn themselves into electronic books (E-book). From this point, it is continuing to make them reading less than the past [10].

In this era of highly advanced software, one can observe a lot of progress in the zone of architectural design and its principles. There are various innovative and efficient software emerging out in the market which have made the life of a common man very simple and easy. Using the online bookstore system has a lot many benefits. There is absolutely no necessity for a consumer to go out looking for a particular book. The book of his/her liking can be easily purchased using the online bookstore software whilst sitting in their comfort zone and just running the

software on a system with an active internet connection and a web browser. This helps in saving a whole lot of time and energy of the consumer [6].

The purpose of the project is to make a full functional online book store system that allow its users to buy book via internet. The selected books will be displayed in tabular form and then user can pick and order one or more books online through cash on delivery option. The online book store project provides customers with online shopping facility through a web browser [14]. The objective of this project is that the website will recommend user the books up to their taste and the user will buy the book/books and do payment of that books. The users will see order status and courier status.

2. System design and implementation

A. System Design

System Design contain three parts: Admin, Client, Courier. These three parts contain their own functionality.



Fig. 1. Admin

a) Admin: Admin contain five parts i.e., inventory management, orders management, payment management, courier management, admin account management. In

inventory management books will be manage. In orders management admin would observe the status of order and admin would give the order to the courier and if any problem arises then admin can cancel the order. In payment management admin only see that payment system does not have any problem. In courier management admin manages the courier. In admin account management account of admin should be manages.



Fig. 2. Client

b) Client: Client contain five parts i.e., store, orders management, cart, checkout, client account management. Store is where books is displayed to be purchased. In orders management client can cancel the order and can see the order status. In cart the books which the client want will be placed in cart and goes for payment. In checkout client can checkout from their respective account. In client account management client can manage the details of the account.

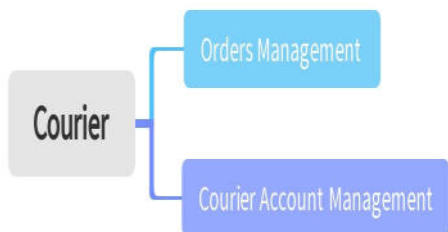


Fig. 3. Courier

c) Courier: Courier contain two parts i.e., orders management, courier account management. In orders management courier will upgrade the status of the orders. In courier account management courier can change the details of their account.

B. System Implementation

In system implementation of the website there is client, courier and admin. The three works independently and also depend on one another.

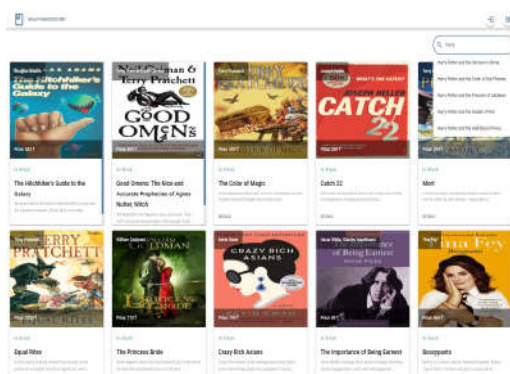


Fig. 4. Front Page

The front page contains the books from which client can select the books and a search bar to search the book from the website and pagination so client can go to different page.



Fig. 5. Login Page

Login page contain email and password when the client already registered. When client logged in the front page will be displayed.



Fig. 6. Register Page

Register page contain email, password and confirm password. It is used only when client was first time creating account on website.

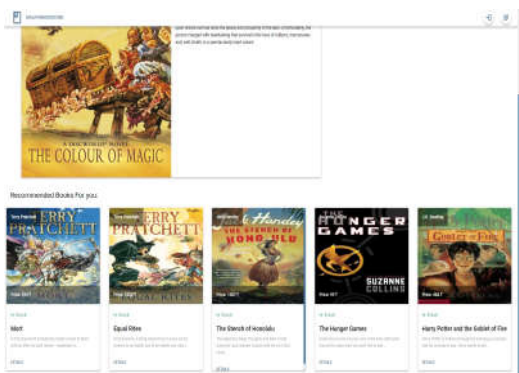


Fig. 7. Recommended Books

When client wants to purchase books the recommendation system also shows other related books which client like to purchase. It contains five books at a time.



Fig. 8. Shopping cart

In this page books which client want to purchase is stored and proceed further for the payment and in this quantity can be change as per client.



Fig. 9. Payment Page

In payment page there are address of shipping and billing and which book client has selected and payment options. Client can choose either COD or Stripe payment system.

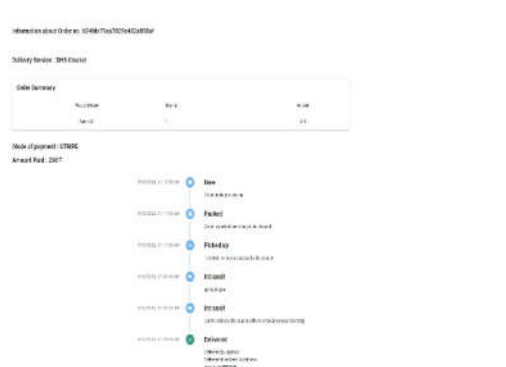


Fig. 10. Order Status Page

In this page client can check the status of the order. It also has all details of orders.

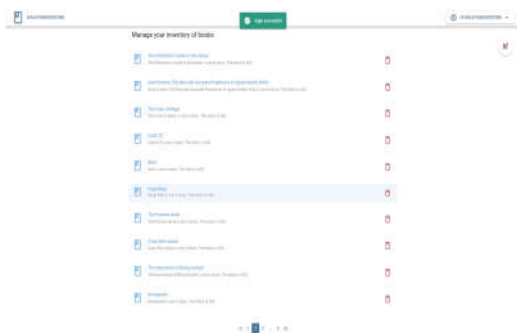


Fig. 11. Manage Books Page

Admin will manage the books in manage books page. In this admin will add books and admin can delete books and update the books details.



Fig. 12. Order Status Update Page



Fig. 13. Order Status Page

In this page courier will update the status of the orders. Courier will accept or cancel the order and if the order is accepted the courier will update the status.

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