

Article

IEEE Paper Based on E-Novels

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A B S T R A C T

Nowadays, the net plays an important role in people's life. In the process of the improvement of the public's living standards, public's demands of the life's quality and efficiency is higher, the traditional bookstores inconvenience gradually emerged, and the online bookstore has gradually been used in public. The online bookstore is a revolt in book industry. The old-style bookstores operative time, addresses and places are so much restricted, so the types of novels and books to be find found a degree of constraint. But the online bookstore ruined the management mode of outdated bookstore, as long as you have a computer, you can buy the book from anywhere, saving time and efforts, shortening the time of book selection link efficiently. The online bookstore system based on the standard of provides suitability and facility to people out there.

Keywords: Bookstore, E-Novels, XAMPP Connection

Introduction

Research Background

The Internet is made a choice by many people for its greater effectiveness and richness, and e-commerce has emerged. The online bookstore is a way of a e-commerce web portal and book deals business in one form, it has many benefits, like: Bookstore size is relatively small, cost saving; business activities can be anytime, anywhere, spontaneous service effectiveness, The information is complete, more suitably recovered, the new book statistics or the new consumers can see in a timely manner, trading activities can be launched immediately, so online bookstore in today's era of development is extremely fast. Online bookstore system's main function is of the trading platform for the site, consumers can connect to Internet through the computer or other devices into the online bookstore and then check the book information, if anyone need to purchase should be registered on it, select their own books, submit orders and pay operation to complete the entire book ordering process, to achieve online transactions.

The Purpose and Significance of the Project

More prominently, in today's era, the in close ties between

countries are increasing With this online bookstore system, consumers do not need to go to various places to find their books, but only in a computer or other electronic device connected to the Internet log in to the online bookstore system, in the search box type the book you want to find of the book information retrieval, you can get to recognize whether the place has its own books, if you can, online direct buying, if not, you can change the home bookstore to continue to search or provide assistance to the seller in order to supply, this greatly helps every user, saving time and labor. The online bookstore scheme can not only reduce cost, it use up time also, space, to bring suitability to everyone, and also to promote the expansion of the logistics industry, serve three purpose, mutual benefit., more frequent exchanges, economy tends to globalization, which promote the upcoming expansion of online bookstore system has some real importance.

Technology and Development Environment

The system uses the Angular 7 and node technology, with XAMPP connection pool to connect to the development of MySQL database, the front interface design is to use VS Code software through which HTML, CSS, Angular and Node

is used to achieve, and the page effects using the JavaScript language and its library function jQuery, enhanced User interaction with the interface experience

Demand Analysis

Analysis of Current Situation

The expansion of online bookstores has left through four stages: the embryonic stage, the development stage, the mature stage, and the prosperous stage. In current years, the kinds of online bookstores are dissimilar, including E-Novels, book selling online bookstore, information servicing online bookstore, etc. At the same time, online bookstore business model also has different situations.

System Users Analysis

The online bookstore's main users are divided into two categories, one is the front user, one is the back-end user. Front users are mainly customers who use online bookstores. Front users can register, login, query, join shopping cart, place orders, read books and different categories, read about authors, can read their blogs, submit orders, modify personal information, confirm receipt and add comments on the website. And back-end user adds, modify or delete the book classification; add, modify or delete the book information, manage the order information and revert back to the user's comments. This user is the administrator, the administrator to play the role of overall planning, and control the front information and so on.

System Function Analysis

The online bookstore is exposed on the net, not a bodily store but a computer-generated store on the computers. In order to progress the competence of the query, the site cannot only use a solo condition to query, but also can use numerous conditions to achieve precise query, the query will be additional after the shopping cart function, the query function, and then you can buying to submit button, create orders and payment to comprehensive the entire purchase procedure function, the user can submit orders before the order to modify, when the seller after the shipment can also confirm the receipt of the operation to complete the transaction. After the completion of the transaction process the user can comment on the corresponding book, the unregistered users cannot purchase books or add to the shopping cart operation, the user must first register as a member of the bookstore, log in before the above operations with proper credentials. In addition to the front-end function, the need for background management, administrators can log in through the corresponding Website background, after the classification of the book catalogue and book info to add, modify and delete, and also for the order information management, such as the cancellation of unpaid orders, the payment of orders for delivery operations, etc., can also reply to the user's comments,

you can reply to each comment, and the client's booking detail page is displayed.

System Feasibility Analysis

Economic Viability

An economic viability analysis is a criteria for decisive the final market position of a website. Good economic feasibility analysis is helpful for project execution and organization. In this system, development process the technology used, from the database to the development tools, and then to the server are free, so the cost of the development of the system is only invested in time and efforts. Therefore, the system is economical.

Operational Feasibility

The scheme's user platform is for those involved in books of all types of people, the interface is simple, the user only enters the book you want to search or related info to query, great suitability. The user's view, replicates the human side. This system is totally practicable.

A System Design

System Function Design

The main function of the E-Novels modules are users can read the books of their choice. The novels are of various categories live thrill, romance, exploration, encyclopedia etc. Users can read various blogs that are done by various registered users and also they can read about various writers. Users can also search novel of their choice. Users have to register themselves. After process users are provided with their login ids and passwords, through which they can login to the web portal. Users can also contact and give feedback regarding the books if they are registered. Users can also order books, after ordering concluded the buy now option they are provided with the message that you have ordered this book and after these many days your book will be delivered.

The functions of the foreground module

- User Registration Login-Users can register as a member, the user can become a member after login, modify personal information, modify the password and exit.
- Category display-In the left navigation bar displays the primary classification name of
- The book and the secondary classification contained in the primary classification, and the corresponding secondary book info is under the secondary classification.
- Book display-Search for books by title or keyword, search for books by progressive query (by title, author, and publisher), search books by category, view book particulars, and more.
- Order Management-Generate and order by submitting

an order, review the details of an existing order, and confirm receipt of the goods after the seller has shipped.

Background Module Function

- Classification management- Views classification, add a category of secondary classification, modify the previous classification into secondary classification, and delete the previous cataloging of secondary classification.
- Book Management Background administrators have the same functions as front users in searching of books, but administrators can also control book information such as adding books, editing book information, and deleting book information like categories of different books.
- Comment-Management-Administrators can see all the reviews of the book by the consumer.
- Order Management-View orders by order status, view order details.

Logical Structure Design of System Database

According to the functional design of the system, by analyzing the system structure and requirements, we can know that the system would have 7 data tables. The tables are category, contact, feedback, favorite, login, shipping, the difference between the seven tables, linked with each other, together constitute the system's database module. Some tables are given below:

id	name	parent_id	level	status	create_time
1	Category 1	0	1	1	2020-01-01 10:00:00
2	Category 2	1	2	1	2020-01-01 10:00:00
3	Category 3	1	2	1	2020-01-01 10:00:00
4	Category 4	2	3	1	2020-01-01 10:00:00
5	Category 5	2	3	1	2020-01-01 10:00:00
6	Category 6	3	3	1	2020-01-01 10:00:00
7	Category 7	3	3	1	2020-01-01 10:00:00

Figure 1. Category Table

id	username	password	email	phone	create_time
1	user1	123456	user1@example.com	1234567890	2020-01-01 10:00:00
2	user2	654321	user2@example.com	0987654321	2020-01-01 10:00:00
3	user3	987654	user3@example.com	1122334455	2020-01-01 10:00:00
4	user4	567890	user4@example.com	2233445566	2020-01-01 10:00:00
5	user5	098765	user5@example.com	3344556677	2020-01-01 10:00:00

Figure 2. Registration Table

System Detailed Design and Implementation

Build The Expansion Environment

- Operating system-Windows 10.
- Software-VS-Code, XAMPP
- Browser- Google Chrome

Summary

The system is a general hobby for reading and books on the needs of the consumer customer base, with a certain degree of practical online bookstore method. It is mainly different from the traditional physical bookstores, to overcome a series of bodily bookstores inadequate variation, motionless location, incomplete space and thin sales channels and other issues, for people to purchase the book has brought convenience.

Online bookstore method not merely can effortlessly discovery the info and purchase books, and the process circumstances are informal, user Friendly up to a larger extent to solve real-life problems in the purchasing of books, and the strategy of the system because of the completion time.

References

1. Liu J. Design and Implementation of Online Bookstore Based on JSP and Technology. *Modern Information* 2015 12: 42-47.
2. Meng L. Design of Online Bookstore System Based on B2C Model. *Value engineering* 2011; 36: 101-102.
3. Tan Y. Research on Evaluation Index System of Online Bookstore Based on University Students' Satisfaction. *Journal of Sun Yat-sen University (Social Science Edition)*, 2011; 4: 174-184.
4. Xu Y. Design and Realization of Online Used Book Sale System. *Consumer Electronics* 2012; 9: 67-68.