Book Management System APP [BMSA]

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ABSTRACT – Nowadays, the network plays an import role in people's life. In the process of the improvement of the people's living standard, people's demands of the life's quality and efficiency is more higher, the traditional bookstore's inconvenience gradually emerge, and the online bookstore has gradually be used in public. The online bookstore is a revolution of book industry. The traditional bookstores' operation time, address and space is limited, so the types of books and books to find received a degree of restriction. But the online bookstore broke the management mode of traditional bookstore, as long as you have a computer,you can buy the book anywhere, saving time and effort, shortening the time of book selection link effectively. The online bookstore system based on the principle of provides convenience and service to people.
Keywords-BMSA,PIET

I. INTRODUCTION
1.1 The Purpose and Significance of The Project
        With the online bookstore system, consumers do not need to blindly go to various places to find their own books, but only in a computer connected to the Internet log on online bookstore system[1], in the search box, type you want to find Of the book information retrieval, you can efficiently know whether the site has its own books, if you can online direct purchase, if not, you can change the home bookstore to continue to search or provide advice to the seller in order to supply, This greatly facilitates every consumer, saving time and labor.The online bookstore system can not only reduce costs, save time, space, to bring convenience to everyone, but also to promote the development of the logistics industry, serve three purposes, mutual benefit. More importantly, in today's world, the increasingly close ties between countries, more frequent exchanges, the economy tends to globalization,which promote the

future development of online bookstore system has some practical significance.

1.2 Technology and Development Environment
The system uses the JAVA technology to connect to the development of FIREBASE database, the front interface design is to use XML.

II. DEMAND ANALYSIS
2.1 Analysis of Current Situation
        The development of online bookstores in China has gone through four stages: the embryonic stage, the development stage, the mature stage, and the prosperous stage[2]. In recent years, the types of online bookstores are varied, including online bookstore, book sales online bookstore, information service online bookstore, etc. At the same time, online bookstore business model also has a variety of situations: BTOB mode, BTOC mode, BBC mode[2].

2.2 System function analysis
        The online bookstore is opened in the network, not a physical store but a virtual store. In order to improve the efficiency of the query, the site can not only use a single condition query, but also can use multiple conditions to achieve accurate query, the query will be added after the shopping cart function, the query function, And then you can purchase to submit orders, and payment to complete the entire purchase process function, the user can submit orders before the order to modify , After the completion of the transaction the user can comment on the corresponding book, the other unregistered users can not 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.

2.3System function analysis
        The online bookstore's main users are divided into two categories, one is the front user, one is the background user.Front-end users are

mainly customers who consume online bookstores. Front-end users can register, login, query, join shopping cart, place orders, submit orders, and add comments on the website. And add, modify or delete the book classification; add, modify or delete the book information, manage the order information and reply to the user's comments. The user is the administrator, the administrator to play the role ofoverall planning, master and control the front information and so on.

III. SYSTEM FEASIBILITY ANALYSIS
3.1 Economic viability
An economic feasibility analysis is a criterion for determining the final market position of a website. Good economic feasibility analysis is helpful for project implementation and management.
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 ofthe development of the system is only invested in time and effort, therefore, the system is economical.

3.2 Operational feasibility
The system's user platform is for those interested in books of all types of personnel, the interface is simple, the use of B/ S visual interface, the user simply enter the book you want to search or related information to query, great convenienceThe user's view, reflects the human side. The system is based on the B / S architecture of an application, to achieve thepage layer, business logic layer and data storage layer separation, the system is more stable and flexible.
In summaryThis system is completely feasible.

IV. THE SYSTEM DESIGN
4.1 System function design
1. Google Login: This core feature is used for user to login and search e-books and can buy them by login thought a unique Googleid.
2 .Login: All user who already customer have to login and then
Search e-books of their taste.
3. Splash Screen: Splash Screen in the screen which appears first when we open app and the first screen in known as splash screen.
4. Register: In this section customer has to fill his/her info and can become new member whatever they want to read.
5. Onboarding Screen: Onboarding Screen is the screen of slider window in which different images are running one another.

6. Admin login: Admin login is feature in which admin is there who upload the data of books and he has unique id and password.
7. Forget Password: Forget password is feature in which if you forget your password then on your mail link will come to make new password by which you can re-enter the app.
8. Drawable activity: It is the sidebar on which all options display about the app that what we can do in this app.
9. Profile: Profile shows the info about the customer who has login the system,
10. Return Book: Return Book is the option in which the return book info is filled with reason and book will be returned.
11.about us: About us is the feature in which people will know about us.
12. Feedback form: Feedback form is the feature in which we will get feedback from the customer who log in the app and buy products they will fill feedback from about the app.
13. Dashboard: Dashboard is the feature in which all the options will display and appear.
14. Category: Category is the option in which there are different categories in which there are different categories of books.
15. Single user: Single user is the user in which single person login the system and read and buy books.
16. Pdf reader: Pdf reader is a feature in which the function will read pdf admit will be uploaded in the system.
17. Address form: Address form feature is a feature which customer has fill info about his add on which book will be delivered.
18. Payment cash: This feature is for cash on delivery.
19. Payment card: This is a feature or Option in which payment will be made by card details info and payment will be made.
20. Upload pdf: Upload pdf is feature of admin in which he can upload pdf of the books and it will display in app.
4.2Logical 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 should ha the difference between the five tables, linked with each other, together constitute the system's database module. A partial data tables are given below:

V. SYSTEM DETAILED DESIGN AND IMPLEMENTATION
5.1 Build the Development environment
(1) Operating System: Android 4.0 and later

(2) Software: Android Studio
(3) Disk space: 50 MB

VI. 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 system. It is mainly different from the traditional physical bookstores, to overcome a series of physical bookstores limited variety, fixed location, limited space and narrow sales channels and other issues, for people to purchase the book has brought convenience. Online bookstore system not only can easily find the information and purchase books, and the operating conditions are simple, user-friendly, to a large extent to solve real-life problems in the purchase of books, but the design of the system because of the completion time Of the restrictions, some of the functions of the system is not perfect, but the basic functions have been achieved.

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