

MY BOOKSHOP APPLICATION

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Abstract

Nowadays, the network plays an import role in person's life. In the process of the improvement of the person's living standard, person's demands of the life's quality and efficiency is more higher, the traditional bookstore's inconvenience gradually emerge, and the My Bookshop has gradually be used in public. The My Bookshop is a revolution of book industry. The traditional bookstore operation time, address and space is limited, so the types of books and books to find received a degree of restriction. But the My Bookshop 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 My Bookshop system based on the principle of provides convenience and service to people.

1. Introduction

1.1 Research Background

The Internet has been favoured by more and more people for its high efficiency and richness, and android application has emerged. The My Bookshop is a form of application and book sales industry in one form, it has many advantages, such as: Bookshop size is relatively small, cost savings, transaction activities can be anytime, anywhere, improve service efficiency. The information is complete, more convenient retrieval, the new book information on the new, consumers can see in a timely manner, trading activities can be launched immediately, so My Bookshop in today's era of development is extremely rapid. My Bookshop system is the main function of the trading platform for the site, consumers can connect to the Internet through the computer into the online bookshop and then check the book information, if you need to purchase should be registered landing, select their own books, submit orders and pay operation to complete the entire book ordering process, to achieve online transactions.

1.2 The Purpose and Significance of The Project

With the My Bookshop 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 My Bookshop system, 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 bookshop to continue to search or provide advice to the seller in order to supply, This greatly facilitates every consumer, saving time and labour. The online bookshop 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 My Bookshop system has some practical significance.

2. DEMAND ANALYSIS

2.1 Analysis of Current Situation

The development of online Bookshop in India has gone through four stages : the embryonic stage, the development stage, the mature stage, and the prosperous stage. In recent years, the types of online Bookshop are varied, including online bookstore, book sales online bookstore, information service online bookstore, etc. At the same time, My Bookshop business model also has a variety of situations: BTOB mode, BTOC mode, BBC mode.

2.2 System User Analysis

The My Bookshop main users are divided into two categories, one is the Buyer and another one is the Seller user. Buyer users are mainly customers who consume My Bookshop. Buyer users can register, login, query, join shopping cart, place orders, submit orders, modify personal information, confirm receipt on the application. And add, modify or delete the book classification; add, modify or delete the book information, manage the order information. The user is the administrator, the administrator to play the role of overall planning, master and control the front information and so on.

2.3 System function analysis

The My Bookshop 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, generate orders and payment to complete the entire purchase process 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 the user can comment on the corresponding book, the other 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. In addition to the foreground function, the need for background management, administrators can log in through the corresponding Web site background, after the classification of the book catalogue and book information to add, modify and delete, but also the order information management, Such as the cancellation of unpaid or 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 book details page is displayed.

3. SYSTEM DESIGN

My Bookshop app design is the method of shaping the coding, modules in Android studio with Java Programming, interfaces and information for a system to satisfy mere needs.

System Module Description:

- Coding (Android Studio, JAVA, XML, Firebase)
- Admin
- Seller
- Buyer
- Management
- Delivery

3.1 CODING

My Bookshop Application is made by android studio. This android studio make the application more attractive and useful and user-friendly to use and shopping. The official language for Android development is Java. Large parts of Android are written in Java and its APIs are designed to be called primarily from Java. It is possible to develop C and C++ app using the Android Native Development Kit (NDK), however it isn't something that Google promotes.

3.1.1 ANDROID STUDIO

Android Studio provides a unified environment where you can build apps for Android phones, tablets, Android Wear, Android TV, and Android Auto. Structured code modules allow you to divide your project into units of functionality that you can independently build, test, and debug.

Each Android application is written in the Java Programming language and run on a separate instance of a virtual machine called Dalvik Virtual Machine (DVM) contrary to the Java Virtual Machine (JVM). The Android runtime is responsible for the memory and process management, which kills the process when the need arises to release memory to the Android runtime. The Android runtime and the Dalvik Virtual Machine sit on a Linux Kernel that interacts with the low-level hardware. A set of APIs is then necessary to expose the underlying hardware features and services.

3.1.2 JAVA

Java Platform is a collection of programs that help programmers to develop and run Java programming applications efficiently. It includes an execution engine, a compiler, and a set of libraries in it. It is a set of computer software and specifications. It is a general-purpose, class-based, object-oriented programming language designed for having lesser implementation dependencies. It is a computing platform for application development. Java is fast, secure, and

reliable, therefore.

3.1.3 XML

XML stands for Extensible Markup Language. It is a text-based markup language derived from Standard Generalized Markup Language (SGML).

XML tags identify the data and are used to store and organize the data, rather than specifying how to display it like HTML tags, which are used to display the data. XML is not going to replace HTML in the near future, but it introduces new possibilities by adopting many successful features of HTML.

3.1.4 Firebase

Firebase is a Backend-as-a-Service (Baas). It provides developers with a variety of tools and services to help them develop quality apps, grow their user base, and earn profit. It is built on Google's infrastructure. Firebase is categorized as a NoSQL database program, which stores data in JSON-like documents.

3.2 Admin

Administrators will identify if the seller and buyer user is real with their Aadhar or pan card details and then he will give the approval to continue using. If in case there will be some difficulties like identity mismatch or incorrect then admin will decline or put the user account on to the hold. Admin can log on to the background system to manage the classification of books, can add, modify, delete the primary and secondary classification.

3.3 Seller

A great way to compete against Amazon and other online bookshops is by including a used book section in seller brick and mortar bookstore. It's a fun hunt for book enthusiasts, and an easy way to keep seller inventory interesting and exciting. This section of seller store could be in a small corner or even outside in front of seller store. Seller used books can go in the same inventory management system as the rest of seller products. Also consider selling used and new books online. It may be a grin and bear it type of concession for some sellers, but it's an important way to protect seller brick and mortar business. Keep true to your brand and maintain a local focus and it's a fair compromise.

3.4 Buyer

A Buyer have to create their account after creating they have to login with the username and password. After getting login they would have access to buy or rent the books which is available on My bookshop store. For Example: Suppose a buyer want to buy a book which is available then they have to firstly select the book and click on the add to cart button then there will be two options Want to Buy or Want to Rent this book. After selecting the option user has to provide some more information like Address (Where want to deliver), Phone Number, Payment mode (cash on delivery, online) and Aadhar card copy for the verification also there will be some Privacy & Policy which have to read carefully and then accept. After that when buyer will click to the order button a message will popup "Your Order is successful. We will back to you soon when your order will be packed and shipped."

3.5 MANAGEMENT

One of the more important themes that permeate this paper is that the incontrovertible fact that knowledge management is synonymous with change: adaptation and evolution. It's assumed that at the start the system operates on principles extracted from human experts that represent their view of the population of the potential customers. It also incorporates variety of theoretical laws that are proposed as high-level abstractions of the economic reality. One among these theories claims that it's almost impossible to make an accurate model of commerce (and therefore also e-commerce) reality based only on theory and knowledge extracted from human experts. The system should be adjusted to the cater to real-life customers, who may behave differently than the idea predicted. Additionally, because the time goes by, clients' interests and desires change because of their aging moreover as because of the changes within the environment (e.g. bell bottom jeans were popular once). To be ready to successfully add the constantly changing world, the system should be adaptive. Since knowledge management could be a process of continually adjusting knowledge through its application and thru collection of additional data and extracting knowledge from it and incorporating it into the system, with the goal to constantly improve the prevailing model(s) of reality and effectiveness of the operation of the system, it's knowledge management that's the premise for system adaptivity.

3.6 DELIVERY

Delivery demands of e-commerce world, where all sellers and delivery partners need functional, efficiently and extensive infrastructure. In addition transport and logistics networks that combine new technologies, multimodal transport operations and compliance with trade rules. Barriers to the availability of international transport and logistics services do remain. These relate both to plug access

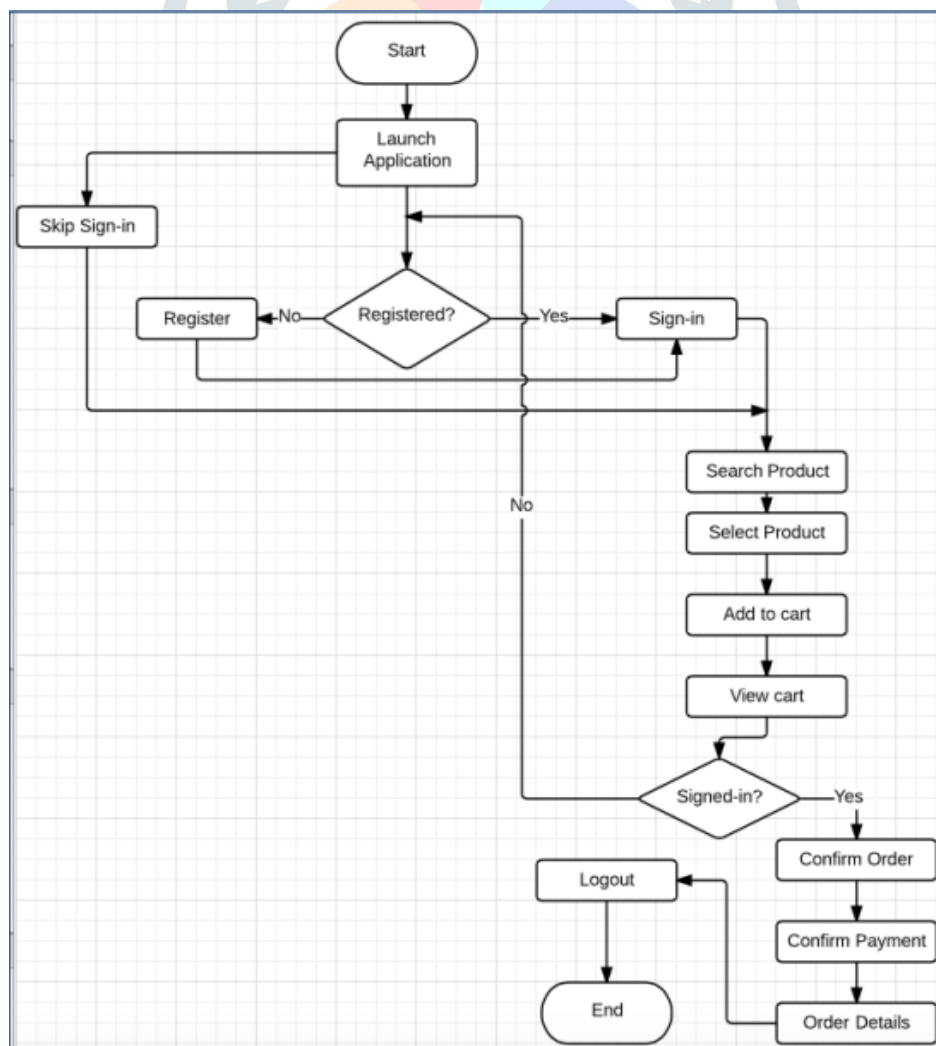
– including limitations on operating in an exceedingly country, the necessity to partner with a domestic supplier; restrictions associated with foreign equity in transport services; restrictions on cabotage operations; domestic monopolies – and to the domestic regulatory environment. A more open environment could improve efficient access to global networks for home- grown small businesses. Competition between service suppliers can reduce prices and lift the standard of services offered. A facilitative regulatory environment can rapidly increase these trends and makes the business case for operating in smaller or more remote markets that way more appealing.

4. PAYMENT SYSTEM

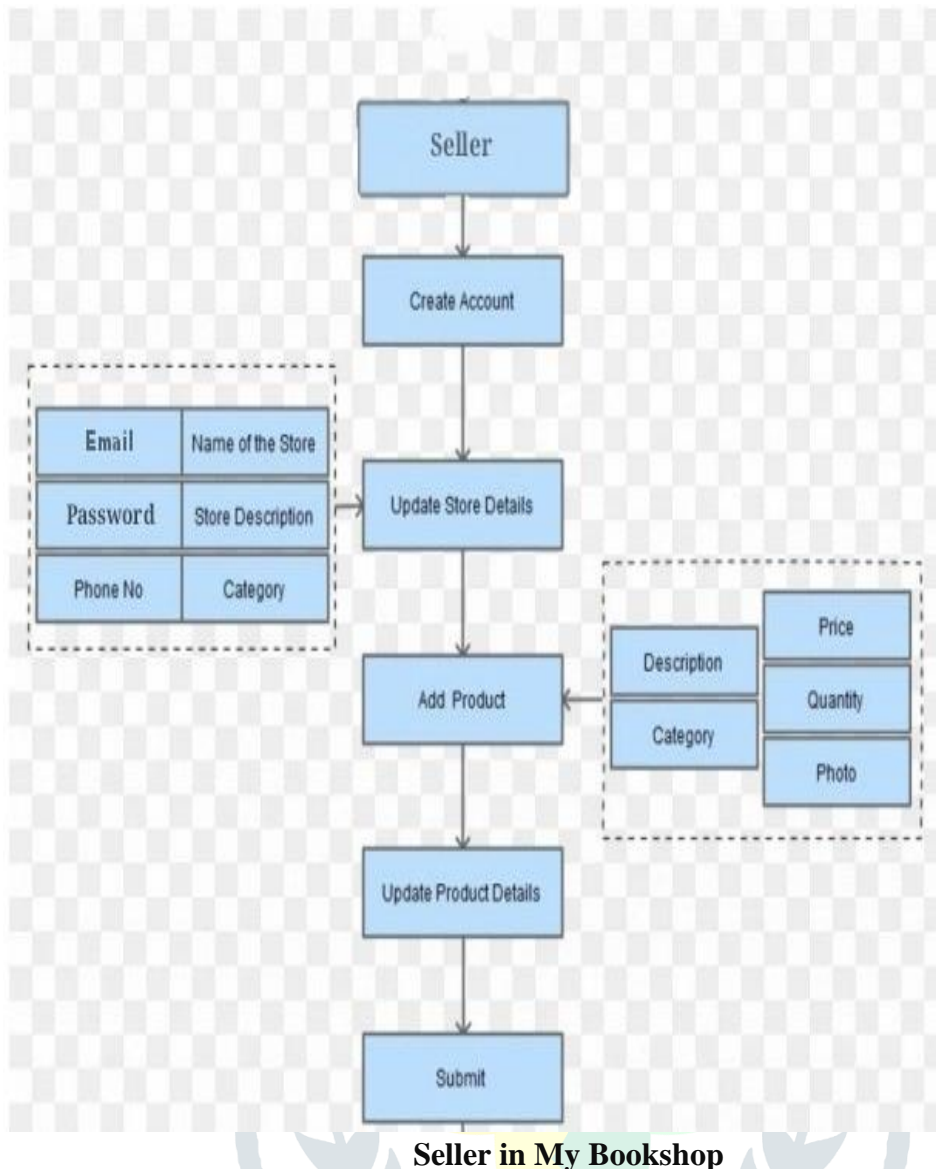
Payment is that the integral process within the mercantile process, electronic payment system is that the integral a part of electronic commerce. Thanks to the emergence of electronic commerce has created new financial needs through which new payment systems are created while traditional payment systems cannot be ready to fulfil its needs. As an example new payment systems are of the forms like auctions between individuals. Online leads to looking for new payment systems meaning peer to look payment methods that enables individuals to create payments through their emails. By recognizing these needs for all interested parties.

5. Flow Chart

When the application is launched, the user has the option of either registering (for a complete transaction) or skipping the registration process (for quick browsing of books without making a purchase). If the user choses to register, the system displays a registration form to be completed by the user. After this registration process, the user can log in with the login credentials in order to search for books, select desired books, add books to the cart and purchase books.



Buyer in My Bookshop



Seller in My Bookshop

6. CONCLUSIONS

This research paper provides insight into the development of My Bookshop Application. While understanding the nitty gritty of its different aspects with special emphasis on B2C e-commerce. Which has shown tremendous growth in the recent years because of increased consumer awareness, investor trust and technological proliferation. The study has also produced certain trends and factors which shall propel further growth within the e-commerce market in India. A sustainable business practice would be to push e-commerce and m-commerce as complements instead of substitutes to traditional business. The synergies between offline and online businesses will enhance efficiency and end in a more stable existence. The longer term also entails a scenario which shall witness an increase in niche businesses, as well as mergers and acquisitions to enable firms to grow inorganically. Firms must commit themselves to the provision of services and application of internet marketing, to get and retain larger audience. Through mobile penetration, opportunities are emerging within the rural markets which is mobile app infrastructure, content development in local languages and walk connectivity. Also, within the aftermath of demonetization. The share of digital payments is anticipated to rise, to sustain which, firms must develop safer payments infrastructure.

7. 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.

8. Reference

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