

Web Book Retailing

1 Ayesha Parveen,2SafiyaBaig, 3saniya sheikh,4Shraddha Sangpal , 5Ritesh Shrivastava

UG Student UG Student UG Student UG Student Asst.Professor CSE Department of Computer Science and Engineering. Anjuman College of Engineering And Technology Sadar , Nagpur e

Abstract : The aspect of electronic commerce (e-commerce) is the most visible business use of the World Wide Web.

The primary goal of our major project which is a website is to sell and buy books and services online . This project deals with developing an e-commerce website for not only Online Book Sale but also provides old or can say second hand books to the students who can't afford new one. This project also helps the small traders who has business to sell second hand books online.

It confer the user with a list of different books available for purchase in the store as catalog. In order to facilitate online purchase a shopping cart is provided to the user. The system is implemented using a 3-tier approach, with a backend database and java a middle tier of Sun J2EE 1.4

Application server and Java Server page, and a web browser as the front end client. In order to develop a website, a number of processing must be learned and understood. These include multi-tiered architecture, server and client side scripting techniques, implementation technologies such as JSP, programming language (such as JAVA, JavaScript, andHTML), relational databases (such as MySQL, Access).

This is a project web book retailing with the objective to develop a basic website where a consumer is supply with a shopping cart application and also to know about the technologies used to develop such an web application. Index Terms –Web Technology, Internet.

1.Introduction

The primary purpose of the project is to develop an web book supply system. The current system is only computerized within that organization.

The main objective of the project is to create the book store system accessible to the community. Thus making the project more economical and reducing the time consumption. In order to overcome the problems of the existing system, we are adding more facilities and making the system online. The application of the project is the online review of books and purchasing option sour Web book store provides a user friendly interface and perform necessary operations according to the user's request.

1.1 Technology and Development: Environment

The system uses the JSP and Servlet technology, with C3P0 connection pool to connect to the development of MySQL database, the front interface design is to use Dreamweaver CS6 to achieve, and the page effects using the JavaScript language and its library function jQuery, enhanced User interaction with the interface experience 2 Demand analysis

2.1 Analysis of Current Situation:

In the current situation the customer needs to go directly to the merchant and purchase the books. Here all the transactions are done directly.

It is a time consuming job. It is a Computerized system. The owner of the firm is automating the book stall with the help of a one system. It may time consuming as their is only one system to manage all the transactions in the shop. Books needed for the customer are purchased systematically to the order given. Outdated books are returned back to the dealer.

When a customer came in need of a particular book, the owner should first of all search that whether it is available or not. After finding the books he has to calculate the rate by checking the details and have to fill the receipt. The process is time consuming and chance of error is high. 2.2 System User Analysis: The online bookstore's main users are divided into two categories, one is the front user, second 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, modify personal information, confirm receipt 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 of overall planning, master and control the front information and so on.

2.3 System function analysis:

The web book retailing project 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 catalog 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 feasibility analysis: All the projects are feasible, given unlimited resources and infinite time. So feasibility study is a test of system proposal, regarding its workability, impact on the organization, ability to meet user needs and effective use of resources.

An important outcome of the investigation was the determination that the system requested was feasible. If the feasibility study is to serve as a decision document, it must answer the key questions: 1. Is there a new and better way to do the job that will benefit the user? 2. What are the costs and savings of the alternatives? 3.

What is recommended? Three key considerations are involved in the feasibility study: Economic, Operational, Technical Feasibility. 3.1 Economic Feasibility: Economic analysis is the most frequently used method of evaluating the effectiveness of the candidate system and compare with the cost. More commonly known as cost-benefit analysis, the procedure is to determine the benefits and savings that are expected from a candidate system and compare them with costs. If benefits outweigh costs, then a decision is made to design and implement the system.

The proposed model is cost effective in the sense; the number of computers, accessories and the software, which have to be purchased, has to be optimized. If we could do the same work with a less powerful system with lesser price, the system study report should contain that information and the management can decide a very cost effective hardware purchase.

Now to software side we have a client server based system to be implemented, for that the essential purchase of operating systems, database server and the front-end tool, we can go for so many options without compromising on the effectiveness and robustness of the proposed system. Computerized system reduces the manpower, thus the organization can save the salary for the employees also.

Here the proposed system is considered to be economically feasible because a one system is only demand for the admin to upload the data to the site. Thus it reduces the manual work. A person from anywhere in the world could access the information easily the same time instantaneously without much cost. 3.2 Operational Feasibility: Once the changeover takes place from extant manual system to the computerized systems, depending upon the complexity of the installed computerized system, high quality Manpower should be employed for the smooth functioning of the system.

So we should select the platform and tools in such a way that, once the system is up and running. Getting the right manpower for that system to function successfully, should not be a cause to worry. The manpower should be easily available so that even if one person leaves he can be easily replaceable.

Success of the new system pivots on its acceptance or non-acceptance by the organization. People are inherently resistant to change and computers have been known to facilitate change. The computer installations have something to do with turnover, transfer, retraining and changed to employee job status.

Therefore the introduction of a candidate system requires special effort to educate, sell and train the staff on new ways of conducting business. The proposed system is user friendly and easy to use. The site could be accessed by both the admin and the customer. Also the work load is reduced for the admin and the total efficiency is improved. 3.3 Technical Feasibility: In an ever-changing software world, selecting one tool set and platform is a very difficult task.

We should be extremely careful in the selection of the software platform and their tools become obsolete. If we ever select a platform or tool set of a company which are not there years to come, the major setback will be the service, and we will be left with no options other than abandoning the system. Then the next problem will be migration to a better system.

Always we should be able to select a tool set platform, which can seamlessly integrate into other software platforms and the support for the future, should be ensured. Here the proposed system is considered as technically feasible, because only the initial cost of buying a computer is needed. The considerations that are normally involved with the technical feasibility include development risk, resources, availability and technology.

4 System detailed design and implementation: While there are numerous technologies for building web applications that serve dynamic content, the one that has really caught the attention of the development community is JavaServer Pages (JSP). And not without ample reason either. JSP not only enjoys cross-platform and cross-Web-server support, but effectively melds the power of server-side Java technology with the WYSIWYG features of static HTML pages. JSP pages typically comprise of:

- Static HTML/XML components.

- Special JSP tags Optionally, snippets of code written in the Java programming language called "script lets". Consequently, you can create and maintain JSP pages by conventional HTML/XML tools. It is important to note that the JSP specification is a standard extension defined on top of the Servlet API. Thus, it leverages all of your experience with servlets.

There are basically differences between JSP and servlet technology. Unlike servlets, which is a programmatic technology requiring significant developer expertise, JSP appeals to a much wider audience. It can be used not only by developers, but also by

page designers, who can now play a more direct role in the development life cycle.

Another functionality of Java Server Page is the implicit assortment of appearance from content facilitated by the system, due its support upon reusable component processing like the JavaBeanscomponent architecture and prelude JavaBeans technology.

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