Web Based Shopping Zone: An Analysis of Business to Customer aspects of Electronic Commerce

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Abstract - **Web Based Shopping Zone System is a very important feature used in e-commerce to assist people making purchases online, similar to the US English term 'shopping cart'. The Business-to-Customer aspect of electronic commerce (e-commerce) is the most visible business use of the World Wide Web. The primary goal of an e-commerce site is to sell goods and services online. E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web site providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace. Shopping Cart feature allows online shopping customers to "place" items in the cart. Upon "checkout" the software calculates as total for the order including shipping and handling postage, packing and taxes, if applicable. The Shopping Cart is very important feature used in e-commerce to assist people making purchases products online. It provides the user a catalog of different products available in the system. In order to purchase a shopping cart is provided to the user. The shopping cart application has been developed to allow business grows larger and faster. This site will let customers to view and order products online from any part of the world. Under this website many products and services can be ordered. The shopping cart is expanded permanently through new products and services in order to offer a product portfolio corresponding to the market.**

Index Terms – **E-Commerce, World Wide Web, Shopping Cart, Business-to-Customer.**

I. INTRODUCTION

The system allows customers to acquire a list of items for purchase by placing items into a virtual cart. At the checkout the software will calculate a total of the invoice with any applicable taxes, including shipping and handling. Currently there are three different types of shopping cart systems that are built to better suit the needs of ecommerce stores; ordering systems, online storefront builder systems and specialized systems. An ordering shopping system is the most basic that makes it possible to select and purchase online. For larger store offerings, a Storefront builder shopping cart system combines all of the features of an order system combined with contact management system (CMS). This allows you a greater level of control over your store content. However, if your ecommerce store offers business to business (b2b) solutions then a specialized ecommerce shopping system would likely be the best fit.

Such shopping systems normally include a database, a storefront and an administrative area. The database stores customer data, order information, product details, etc. A storefront displays this information while an administration area allows a business to manage the ecommerce store. Storefronts should include a store catalog that is presented usefully and is pleasing for customers [4]. Good administrative functionality should be easy to navigate, manage modules, assign options, and flexible to manage multiple shipping needs.

Many online ecommerce store builders will offer either a licensed or hosted shopping cart system. A licensed shopping cart system can be downloaded and installed on a

web server often associate with a onetime fee. Since the merchant will own the license, the system can be hosted on any web server. A hosted system can never be downloaded but is hosted instead through a service provider and requires a recurring fee or nominal percentage of sales.

II. SYSTEM STUDY

Existing System:

In this existing system have lots of manual work (Manual system does not mean that you are working with pen and paper, it also include working on spread sheets and other simple software's). So introduce need proposed system.

Drawbacks of the Existing System:

1. It is limited to a single system.
2. It is less user-friendly.
3. The present system is very less secure.
4. It is unable to generate different kinds of report.
5. User must go to shop and order products.
6. It is difficult to identify the required product.
7. Description of the product obtained only on manually.
8. Accuracy not guaranteed.
9. Not in reach of distant users.

Proposed System:

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach. To debug the existing system, remove procedures those cause data redundancy, make navigational sequence proper. To provide information about audits on different level and also to reflect the current work status depending on organization/auditor or date. Required to build strong password mechanism.

Features of The Proposed System:

1. User friendliness is provided in the application with various controls.
2. The system makes the overall project management much easier and flexible.

3. It can be accessed over the Internet.
4. Various classes have been used to provide file upload and mail features.
5. There is no risk of data mismanagement at any level while the project development is under process.
6. Report generation feature is provided using Crystal Reports to generate different kinds of reports like bar graphs, pie charts and table type charts etc.
7. It provides high level of security using different protocols like https etc.

III. SYSTEM DEVELOPMENT

A system analysis involved a detailed study of the current system, leading to specifications of a new system. Analysis is a detailed study of various operations performed by a system and their relationships within and outside the system. During analysis, data are collected on the available files, decision points and transactions handled by the present system. Interviews, on-site observation and questionnaire are the tools used for system analysis. Using the following steps it becomes easy to draw the exact boundary of the new system under consideration:

- Keeping in view the problems and new requirements
- Workout the pros and cons including new areas of the system

Description of modules:

Registration Module:

The system has a process of registration. Every member need to submit his complete details in the form of registration. Whenever a user registration completed automatically user can get a user id and password. By using that user id and password member can log into the system.

Shopping Cart Module:

In this module a user generates an Order List after that he may watch which products selected by himself, mode of delivery etc… The user can also view previous shopping cart which is generated by him.

Billing Module:

After submit his shopping cart user must pay his bill which is generated by the administrator. The mode of billing is Credit Card only. User gives his proper information about

credit card then only he can get shopping cart, other wise his order of shopping cart will be rejected.

Products Browse Module:

Different kind of browse available to users as well as administrator. A user can search other users for sharing the opinions. Administrator can search the information which is payment about the users into the system by any member.

Admin User Management Module:

Administration is the main person of this system. He can have all the privileges to do anything in this system. Admin can get the information regarding Products wise , category wise etc…various sources. For that administrator need to send a request for that particular authority throw web services.

Admin Category Management Module:

a. Add Category:

The shopping cart project contains different kind of products. The products can be classified into different categories. Admin can add new category into the existing system.

b. Edit Category:

Based on the market analysis admin can update a category. He can change the category of a particular product.

c. Delete Category:

Admin has privilege to delete a category from the existing system.
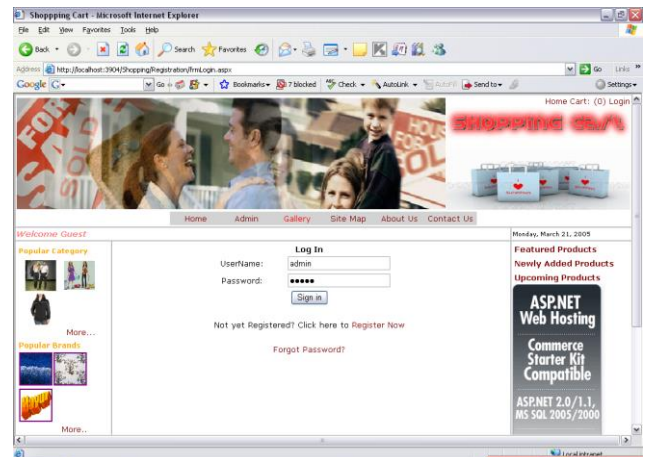
d. View Category:

All existing categories can view by the administrator. The administrator can keep track on categories.
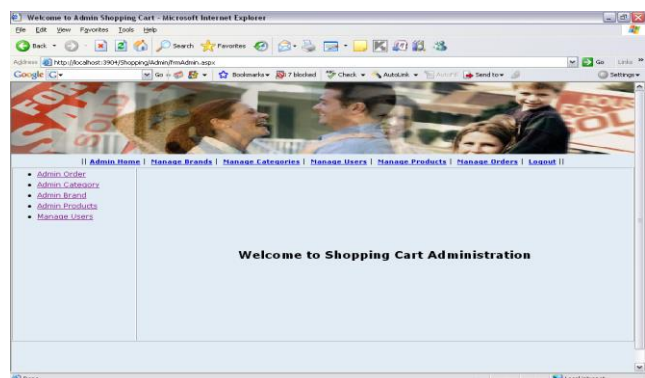
Admin Order Management Module:

Whenever user completes his selection of product, he can add these selected products into shopping cart, for this he must be an authenticated person. If he is not an authenticated person his selected products should not add into shopping cart. Then he needs to register himself. If he is registered person, he can directly generate the Order Products.
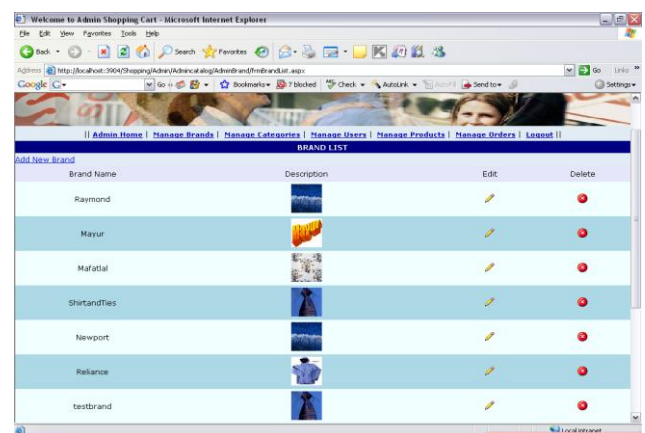
IV. OUTPUT SCREENS

A) Login Form:

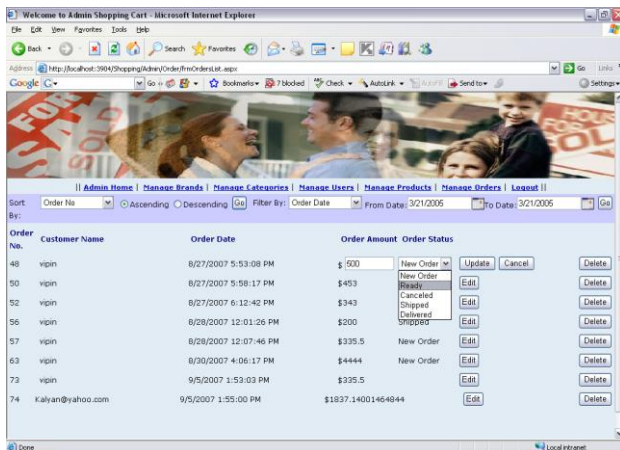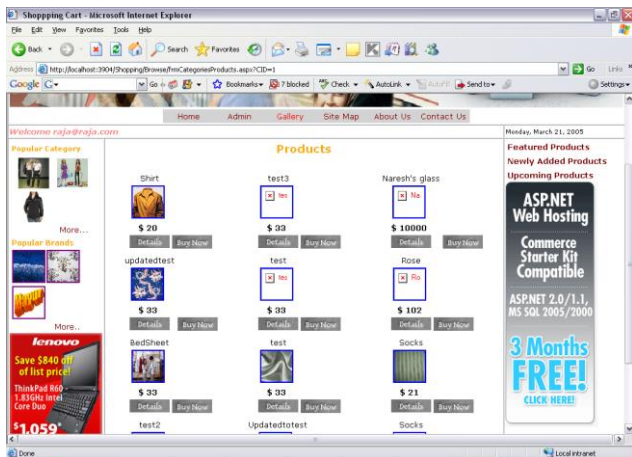### B) Admin Form:

C) Brand List:

D) Ordered List:

E) Product List:

V. CONCLUSION

This project, "WEB BASED SHOPPING ZONE" has been successfully tested and has been found to replace the existing system effectively. It is also possible to eliminate the human errors likely to creep into this kind of work in which bulk quantity of data has been processed. This project has been designed to suit all the exact needs. This project is easy to implement and operate. All the features, which are given in this system, will be successfully implemented and hence each and every module was functionality tested and found correct.

VI. FUTURE ENHANCEMENTS

This computerized method is a well-suited application for the real time business activities. It posses many robust features, still it can be expanded for additional features. The requirements may change when technology and time changes. When the technology and time changes the system has to be enhanced, this system itself provides us the facility to perform some additional features. Every application has its own merits and demerits. The project has covered almost all the requirements. Further requirements and improvements can easily be done since the coding is mainly structured or modular in nature. Changing the existing modules or adding new modules can append improvements

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