

An approach to Implement Online Bike Purchasing System

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Abstract— This paper refers to an approach which gives an implementation of online bike purchasing. The online selling, enabling the sale of products or services to consumer. Bike purchasing system is online system where user can access information about dealers of bike with their price according to various cities. Entrepreneurs saw the potential in online shopping and sprung at the chance to make virtual storefronts, so that consumers could shop without leaving their homes. Customer can find the details of dealer according to their comfort ability. According to business point of view, there is a facility for dealers to publish their advertisement on rent. There is a guide which will help customer to make better choice. Online bike purchasing system is a web-based application intended to provide automated solution and services to customer. Consider Business organizations which have all of its business through Internet that is Websites. The Business Organization has its offices in few states and normally uses courier facility to deliver the product. If possible home delivery is also possible. This Business Organization mainly has two sectors first one is sale which sale the product to the customer and second is service which is provided to the customer.

Key words: Online Bike Purchasing, Compare, Online Transaction

I. INTRODUCTION

Computer plays an important role in our daily life. Anything we want we can get only in one mouse click. Speed, reliability and accuracy of the computer make it a powerful tool for different purposes. A very important and basic need of today's modern business world is the quick availability and processing of information using computer. One can easily get the type of required information within a fraction of the second. The project that we have taken is also in this category which is used I our daily life whenever we want to purchase bike we can easily get them at our home. Online bike purchasing system is a web-based application intended to provide automated solution and services to customer. Consider a Business organization which have all of its business through INTERNET i.e., WEBSITES. The Business Organization has its offices in few states and normally uses courier facility to deliver the product. If possible home delivery is also possible. This Business Organization mainly has two sectors first one is sale which sale the product to the customer and second is service which is provided to the customer. As the technology is being advanced the way of life is changing accordance. Now a day's we can place the order for anything from our home. There is no need to go the shop of the things we want. The order can be placed online through Internet. The payment, the confirmation of purchasing; we can do everything we want. Now we can think that how the days have been changed with time. People had to stand in rows to wait there terms to buy a particular thing from a popular shop. But what is happening now a day's we can extremely surprise that those things can be available on the

door-step in few hours. People had to suffer the rush of the market when they went for shopping. They used to think hundred times to buy anything having the sufficient money for shopping. The problem was the rush the quarrel at the time of buying the things. But the advancement of technology brought the new way for shopping. The way of shopping was completely changed with the coming of Internet Technology. People have to fill a simple form on the internet to place their order on any popular shop for the thing they want to buy. Now they can place their order from the home. It provides sales and service to customer by interaction with customer. The success of a company is mainly based on its satisfied customers, which in turn gives huge profits .Retaining existing customers is also an important job of a company.

Online Bike Purchasing system concentrates on the retention of customers by collecting all data from every interaction, every customer makes with a company from all access points whether they are phone, mail, web or field. The company can then use this data for specific business purposes viz., marketing, service, support or sales Online Bike Purchasing is basically the collection and distribution of "all" data to "all" areas of business. The data can then help market the company, help up sell to existing customer, understand customers better so that customers can be given better service and allows them to interact with the company by whatever means they wish.

II. PROBLEM DEFINITION

Online bike purchasing system is a computerized, online solution to the various problem faced by the product buyer and seller wishing to outsource their software development work to a provider at an economical cost, thus achieving high performance, accuracy, reliability and high speed of data retrieval. The current system is offline system, in this to purchase bike the customer should visit to showroom. So this current system is very difficult because its time consuming. So our projects aims at creating an web application which tracks customer records, online booking, online bike record, etc. and it provide easy to use web based interface for customer where customer can search for bike, view a complete details, models, features, pricing of the bike and book the bike. In this system, there is a registration process each for the bike buyer and seller. The administration of the site verifies the provider after his registration and if satisfied, assigns him a user name and password. This project provides the software for "Bike Purchasing System". The purpose of this project is to provide an easily bike purchasing facility online and easy selling facility to the merchants of all categories.

III. LITERATURE REVIEW

In the article [1] the authors have identified the constituent of a good quality website that makes it more effective. This paper examines and integrates four sets of factors that capture e-commerce web site quality using an IS success model:

system quality, information quality, service quality, and attractiveness. A set of instruments of web site quality has been developed and empirically validated by factor analysis. it focuses on how browsing for books on several websites can be done more effectively by bringing the closest results to the students. Based on TAM, a framework is also developed relating web site quality to customers' beliefs, attitudes, and intentions. The authors in the paper have identified the factors affecting the website quality and offered a framework for ecommerce managers and web designers.

The author in article [2] have studied on the accessibility, by using Macromedia Shockwave, a widely deployed player, and therefore avoids the need of unusual plug-ins, such as VRML viewers. Shopping in real-life is a social experience with other components attached to it: customers consult with experts and shop in groups benefiting from others' opinions. These aspects, when lacking, can lead to reduction in sales. In the paper authors have built a collaborative ecommerce system and also addressed scalability. This was achieved by using a peer communications architecture to support a number of geographically dispersed users on the Internet simultaneously.

The authors in the article [3] have discussed about the relationship between knowledge, trust in online shopping, and the intention to go shopping online. The results revealed that knowledge is positively associated with trust and online shopping activities. People who are interested for online shopping will go for it if they have more knowledge on that. But people should also know about the security involved in transactions when they buy things online. The article shows that some studies argued a negative relationship between knowledge and trust while the others argued positive.

The authors in article [4] have proposed a cross-cultural model of online shopping including shopping value, attitudes to online retailer's attributes and online purchasing based on the integrated V-A-B model. They conducted survey to have reviews on online shopping and its behavior. The authors in article [5] have listed many advantages over traditional physical shopping such as low cost, real time, interaction, personalized, cross-domain etc. This paper shows the results of the survey conducted among Indian customers relating to the behavior of online shoppers, their understanding and the reasons for their inclination towards traditional offline shopping. The survey indicates a dire need of replicating the conventional shopping experience onto the online shopping. The paper also reports a conceptual design of a virtual shopping experience that attempts to replicate conventional offline shopping experience into online shopping. The author in [6] have conducted an analysis of the characteristics of online shopping demand, and the related factors which stimulate online shopping have been put forward. They have adopted quantitative analysis for actual verification, providing theoretical guidance to customers and companies.

IV. PROPOSED SYSTEM

At present there is no such system which provides a facility to purchase the bike and to search the bike and then dealers detail are shown to the interested buyer. There are many websites which provides these facilities of buying and selling all the products online, such a websites helps users to buy the

bikes online, but there is no facility to compare those bikes at a time. An individual should be provided with a platform to search and buy bikes online. For this purpose a system should be developed where the dealer is required to post few pictures of the bikes. The dealer's detail is added along with the post, so that the user can contact with them.

A. Benefits of Proposed System

The proposed system will help users

- To maintain security and privacy on websites by using the private and public visibility options.
- To compare multiple bikes at a time.
- To get details of dealer's directly as per requirement.

V. IMPLEMENTATION

Almost all the ecommerce website structures are based on the below given diagram, Fig.1. Here the user who wants to sell a product will refer to the administrator to post an advertisement. Following which the user will be paying for the shipping provider and database. The customer at the other end can see the products posted by the user and can also see the details of the seller. And then the payment is done using one of the payment methods available on the website.



Fig. 1: Basic Structure of Ecommerce Websites

But in the above mentioned method, there is no way where a user who is posting an advertisement can keep his/her details in public or private visibility modes. The diagram below Fig.2, explains how a customer can view the product advertisement and then contact the seller. Using this concept, we can bring in some security over the methods which are not using public and private options for the owner's details.

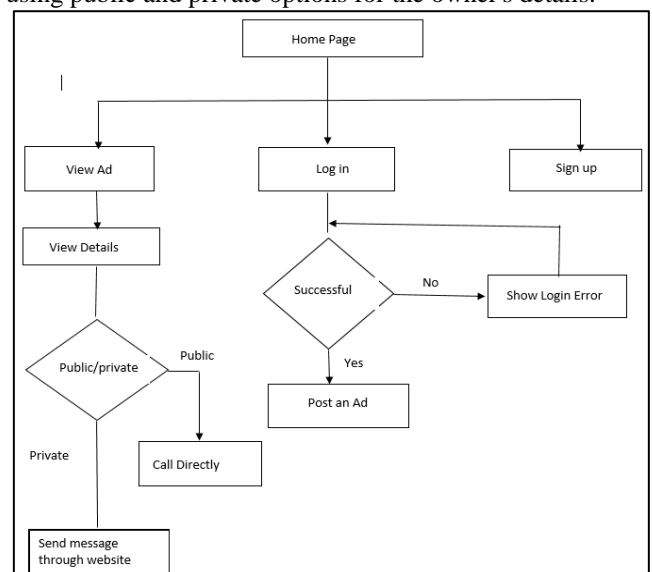


Fig. 2: Proposed Logic

VI. SOFTWARE AND HARDWARE REQUIREMENT

A. Software Requirement

- Operating System: Windows
- Web-Technology: PHP
- Front-End: HTML, CSS, JAVASCRIPT
- Back-End: My SQL
- Web Server: Apache SERVER.

B. Hardware Requirement

- Pentium-IV (Processor).
- 256 MB Ram
- 512 KB Cache Memory
- Hard disk 10 GB
- Microsoft Compatible 101 or more Key Board

VII. CONCLUSION

There are many different segments available for online stores, which are effected by constant evolutions. To meet the new challenges and requirements of the market, the business owners need to think and make better decisions. Having access to statistical information from all areas of online marketing and sales activities gives an advantage over competitors that do not have this information. To meet the requirements of the customers, the business strategy always comes up with a new idea. This is one such idea through which customers can buy bike by comparing with other same feature bikes through ecommerce websites, but also go for exchanging old products. And, when the users get the credibility of keeping their data private or public, it gives them the authority of keeping their own details secured. This can benefit users at both the ends and can help in reducing e-waste.

The 'Online Bike Purchasing System' is designed to provide a web based application that would make searching, viewing and selection of a product easier. The search engine provides an easy and convenient way to search for products where a user can Search for a product interactively and the search engine would refine the products available based on the user's input. The user can then view the complete specification of each bike. They can also view the bike reviews and also write their own reviews. Use of Ajax components would make the application interactive and prevents annoying post backs. Its drag and drop feature would make it easy to use.

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