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BIKER STORE AND BLOG SYSTEM

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ABSTRACT:

Abstract — we are pleased to present “Bike Store and Blog System” project and take this opportunity to express our profound gratitude to all those people who helped us in completion of this project. In our project there are various modules such as Bike service Registration, user to rent bike, buy bike, bike parts and inventory online, user to check various articles submitted by user and even comment on them and also there is Credit/Debit card/COD payment facility is available. We express our gratitude to our project guide Prof. Yogita Mane for her valuable and timely advice during the various phases in our project. We would also like to thank her for providing us with all proper facilities and support as the project co-coordinator. Finally we would like to thank everyone who has helped us directly or indirectly in our project.

Keywords — **Buying, Selling, Renting Bike Part, Online Order, Registration.**

I. INTRODUCTION

This is an online Bike and bike parts store that has listings of various bike along with their features. It also consists of Bike service Registration. This system allows user to buy bike, bike parts and inventory online. System allow user to check various articles submitted by user and even comment on them. Credit card payment facility is available. This system also consists of ‘Rent a Bike’ feature where user can ask admin for bike on rent. The visitor who visits the system must register himself by filling up personal details. After registration user can login to the system with his username and password in order to access the system. User can check various bike listing and can view each bikes feature. User can also check features of the bike as well as inventory parts, and accessories. User may select the product and can add the product to shopping cart. User can make payment through credit cards by clicking on credit card payment option. User must register himself for posting an article. This application is a combination

of both sales and inventory management of the bike and bike parts. User can easily purchase bike or bike parts by using this system user does not have to come manually to shop to purchase the product. He can view the bike and bike parts in effective Graphical User Interface. User can view features of each product and can compare the products in order to purchase a better product.

II. PROBLEM STATEMENT

In existing system, shopping can done in a manual way, the customer has to go for shopping, and then he is having the possibility to choose the parts whatever he wants. Bike parts in the store are normally arranged by their types and price .He chooses from the collection of bike parts, where the items are labelled by their price and occasionally, the discounts offered on the particular item. Sales staff are always there in case the customers want some assistance. The customer takes the items he choose by their requirements or interests and takes the items

to the billing section. The bill is collected in the form of cash or credit card and a memo is prepared for the sold items which contains the information about the product such as price and quantity. It is a time consuming process. Thus, the system has to be automated.

PROBLEMS IN EXISTING SYSTEM:-

In Existing System, the Customer is completely depending on the manual process for buying the bike parts. Manual process is a time consuming factor and when customer approaches for a manual shopping directly, actually he/she does not have an idea about things like, price range, items, etc..., the time which has been spent by the customer in manual shopping can equate to multiple number of shopping. As customer can sit at home and browse in a fraction of seconds. The system is limited to a particular area as the store generally caters the need of people living in a particular territory. Customers have to take pain to go to the shop in case of heat, cold, rain etc. No common platform and easy facility normally available where many dealers can interact with one as many stores have products of just one particular company or dealer. Thus, we need to change to a system like "Online Shopping".

III. LITERATURE REVIEW:

A literature survey is a part of an important part of the development process and constitutes a project in itself. The literature review is a information obtained from research on those system that already are been used. It provides the discussion of all theoretical and practical views of online and offline bike renting system. It also consists of price, time saving etc. There are many online bike renting systems that are already present but each system has some drawbacks. In Biker Store and Blog System we have tried to overcome those drawbacks which the current system has and so the system that we have implemented will be easily accessible system for users. Below are some existing systems and their drawbacks that we found during literature research.

1) Rebel Rides: This system has only 15 bikes for renting and does not have quick responses for the renting request. It has only expensive and heavy bikes available, that too at a high price. So, these bikes are not affordable for middle-class people to rent.

2) Wheel Street: In this system, the rent is available on per day basis only, and no other options are provided. So, because of the per day rent, it is not convenient for the user who wants the bike for some

hours. As per the reviews of this system, the number of bikes is 10 only and the bikes are not well maintained. Also, the availability of bikes is not updated on the system.

3) Rent Trip: In this system, the user has to directly contact with the dealer. It has a limitation on the distance to be covered using the rented bike. And because of direct contact between the dealer and user, there might be people who would face issues in this process, they may get into some kind of trouble.

4) Ziphop: The availability of bikes on rent is only on a per-day basis. This system is available in only three cities in India. It has a limited number of bikes to choose from. Also, it has very bad reviews of their service. The User Interface of their Website is quite confusing.

5) Onn Bikes: This system is not available in every city except 4 cities. As per reviews from customers of this site, bikes are not well maintained when they receive the bikes. Lots of users complain about the poor service of the system. This system responds late, it appears to be lagging while processing.

6) Zoprent: The availability of this system is only in Bangalore. Here also, the problems are the same as that of the above described systems such as only per-day based availability of bikes, the limited option of bikes. When we tried to book a bike from this system, they asked to select a city first and then the further process will take place. On selecting a city, they showed that there are no pick up locations in that city. So, we tried all the cities listed there and the same results each time. The systems should not give such User Experience and issues.

7) StoneHeadBikes: This system is only available in Delhi. It offers bikes on rent for per day system and some limited kilometres. The User Experience of this system is not so good. Also, the amount of rent is quite high.

8) On-track: This system is only available in Bangalore. In this system, the bikes are available only on a monthly-renting basis. Only 12 to 14 bikes are available for rental purposes. They have not provided all the details and information that the user needs to know.

9) Self Ride: As per customer reviews, this company is divided into two units, one that works online and the other that works on the ground. The problem is the huge gap in communication between these two units. Also, it is not available in all cities in India and it has poor customer service.

10) Royal Brothers: In this system, the renting is available on per day basis only. As there are limited bikes to choose from, it is not feasible for the users who want another bike than the bikes present in the system. The User Interface of their application is not proper and confusing.

11) Bounce Share: This system is not available in

all cities. Thus, if the user goes to another city, they cannot use the system. As per customer reviews, the service they provide is not organized.

All these systems are already available for bike renting but some of them are only available in particular cities. There are some systems who have rents only on the per-day based system, not the week or hour-based system. If the customer wants to rent a bike for the two or three days, then some systems from the above list are not eligible to give them such facilities. Some customers need the vehicle for a particular kilometre but for more hours. So, they are not satisfied with the rental on hour-based system. Also, none of the above system has the option for the user to rent their own bike to the system and also the option to sell their bike using the application. Therefore, our system is trying to fulfil all the demands of the customers by providing the features that are not available in the above listed systems. For example, making this system available in all the possible cities across India, providing the feature to sell and give it on rent to the system, we make available all the important details and information in the portal itself, also for customer's attraction, our portal provides various deals for tourism on reasonable rates. We are focusing more on the User Interface and User Experience of this system

IV .RELATED WORK:

In the proposed website there are different parts or modules which are summarized as follows:

CUSTOMER REGISTRATION:

Customers are required to register on the website before they can do the shopping. The website also provides several features for the non-registered user. Here they can choose their id and all the details regarding them are collected and a mail is sent to the email address for confirmation.

SHOPPING CART:

Shopping cart module tries to simulate the working of a store where user can view each Part design, size and price of the product available. The items they like can be added to the logical cart and can be removed if not required later. Billing and other payment related matters are handled here.

ADMINISTRATION:

This is the part of the website where the administrators can add, delete or update the product information. Administrators are also responsible for adding and deleting the customers from the website.

In addition, newsletter and promotions are also handled by the site administrator via e-mail.

SEARCH:

This facility is provided to both registered and unregistered user. User can search for the availability and type of products available on the website.

ADD TO CART: Users can add Bike parts to cart.

CREDIT CARD PAYMENT:

After total bill is calculated user can pay via credit card online.

EMAILING:

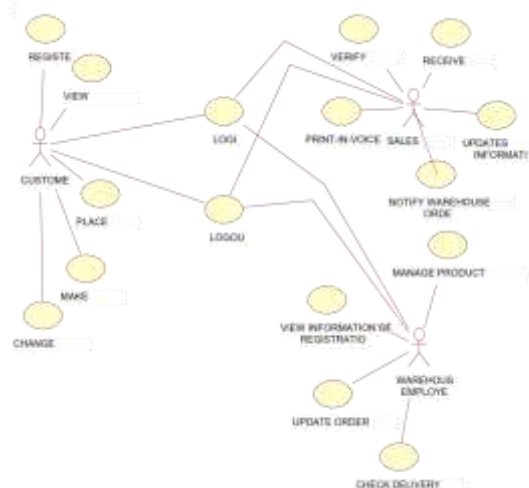
On successful payment a thank you message is sent to user. Also Emailing module is concerned about promotions and newsletter and is handled by the administrator. This module is also concerned about sending activation and warning mails.

IV. SYSTEM ARCHITECTURE:

The Architecture of Bike Store System Features:

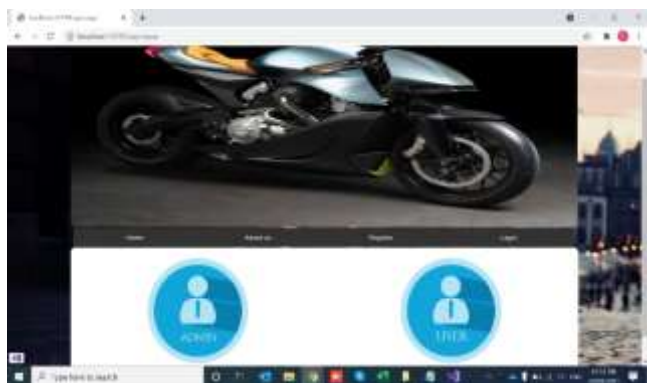
1. Sends receipt to customer
2. Accommodates up to four types of shipping
3. Allows owner to predefine sales tax based a specific state
4. Tracks purchases even if user clicks the back button
5. Tracks each customer by Shopper ID (SID) (does not use cookies)

V METHODOLOGY



Use case diagram

VI. IMPLEMENTATION



Home page: This is the project login page, where user can login to system with Id and password.



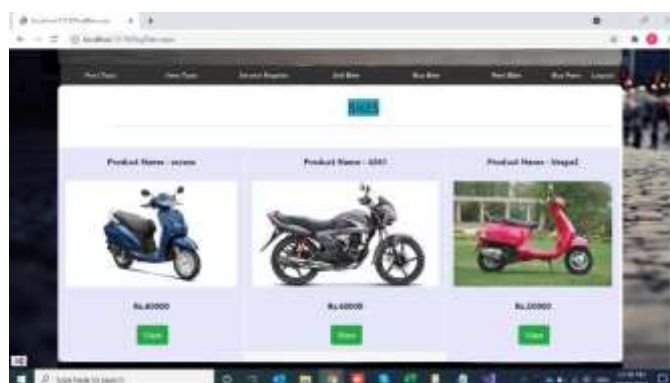
Post topic: User can upload their bike pictures with description as like as blog. User can also take feedback by comments of other viewers for their product.



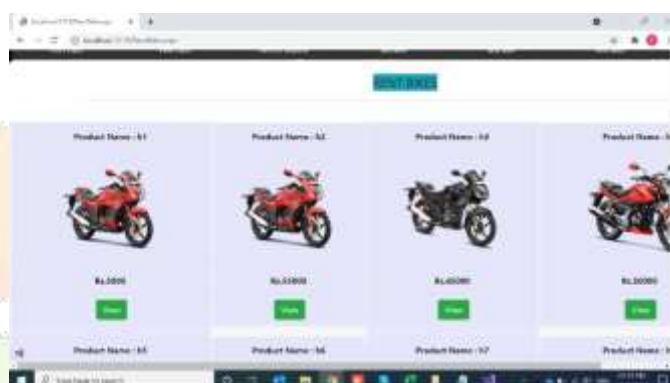
Service Registration: Here user can register for service for their bike. He can also schedule the date and time he wants.

Sell Bike: User can add his bike for selling through this window. He should provide proper

description and condition for bike with contact details.



Buy bike: Here user can buy bike posted by other sellers. They can also contact them via mail or call provided in description or call provided in description.

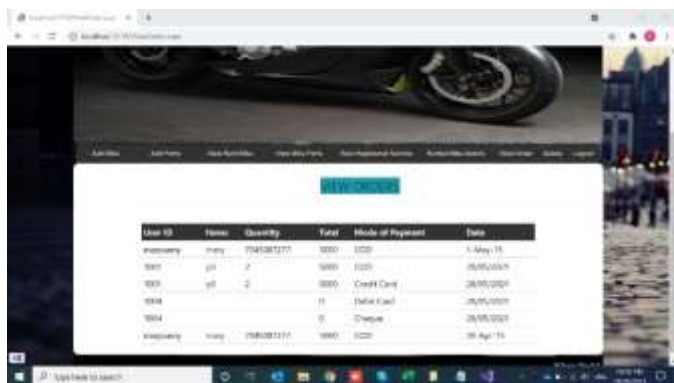


Rent bike: If user wants a bike for rent, he/she can rent it from the bikes available.



Page after admin login-

Add bike parts: Admin can add bike parts for selling purpose through this. He should provide all necessary description and details for better process.



View order: Admin can view various placed orders of bike parts. He/she can also delete the item posted by user if it's inappropriate.

VII. RESULT AND ANALYSIS

Load Balancing: Since the system will be available only the admin logs in the amount of load on server will be limited to time period of admin access.

Easy Accessibility: Records can be easily accessed and store and other information respectively.

User Friendly: The Website will be giving a very user friendly approach for all user.

Efficient and reliable: Maintaining the all secured and database on the server which will be accessible according the user requirement without any maintenance cost will be a very efficient as compared to storing all the customer data on the spreadsheet or in physically in the record books. Easy maintenance: Bike Store and Blog Website is design as easy way. So maintenance is also easy.

Easy Accessibility: Records can be easily accessed and store and other information respectively.

ADVANTAGES

User does not have to go manually to purchase the product, this saves time as well as human effort of the user.

User can view features of each product and can compare the products in order to purchase a better product.

User can view products in effective graphical user interface.

User gets to sell his bike at right price to right person.

DISADVANTAGES

Visual effect of product during manually purchasing the product is different from viewing the product in your device.

APPLICATION:

This application is useful for many bike firms who want to give full support to their customers.

VIII. CONCLUSION

The project "Bike Store & Blog System" is something like the original Bike shop with shopping carts that is used by the customer in selecting certain products. Finally after selection the customer confirms orders for all the purchasing items and submits his/her account details with tax information at the checkout counter. Shopping cart is used around the world in ecommerce to manage business through online. There are different kinds of software available that are useful for all in making purchase online. Through this software, one can choose the purchasing item and the software calculates the net amount for the order including packaging, moving and also taxes if applicable. The software collects the credit card information of the customer and it provides a secure gateway for all kinds of transaction online. The shopping cart software provides a reliable platform for keeping all sensitive information. For this kind of online business, the special software must be installed on the server which host the site, or on a secure server which receives all sensitive data. Shopping cart software is its security as better security can attract customer by protecting their personal information.

Security features include encrypting information and using a reputable processing service for credit cards.

IX. FUTURE SCOPE

Test drive booking registration would be available.

Bike loan and other Bike booking facilities would be available in car buying section.

System will track purchases even if user clicks the back button It will also track each customer by Shopper ID (SID) (does not use cookies)

Bike pooling could be added if someone's got to go to a specific destination by using this feature there fair might simply get divided between the passengers.

X. ACKNOWLEDGEMENT

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