Bikers Portal

ABSTRACT

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.

Keywords— Online bike and bike parts, Bike service registration, Rent a bike.

1. INTRODUCTION

The system to be developing is an online Bike and Bike parts or accessories store that list various items after proper categorizing them. It is basically a web based application which can also be included as web development final year project. The popularity of bikes will never get old, with advancement in technology new and new features and architecture get introduce making this field more attractive and convenient. Although most people prefer bikes as they are efficient, best partner during traffic jams and fast as compare to average vehicles. Even though many new advancements have been implemented to help them use the computers efficiently no naive user who is visually challenged can use this technology as efficiently as a normal naive user can do that is unlike normal users they require some practice for using the available technologies.

The application lists various bikes according to their features / specifications and prices. The bike, bike parts and inventory services are listed. The feature to display old used bike also offered to facilitates user to get their desired bike on low price.

The system provides functionality that user after successful registration on website can book online services and pay online. He can also see the services rate offering and can select desired service. This feature saves valuable time of user to wait for hours for their turn. The website offers a separate section “News Letters”. That post new arrivals, new features and complimentary or discounted services to its customers. The user of this website can check various articles submitted by other users as well do comment on them. The feature of online services payment is available in the form of credit card. The user can pay for booked services online. Rent a bike: To facility of renting a bike is available on reasonable rates. Procedure.

2. PROBLEM DEFINITION

The Bikers portal is the application that allows the users to shop online the bike and the bike parts with great ease. This will help in saving the energy, fuel, time needed to do the shopping by going to the shops. Any shopping website that is concerned will be able to attract more customers only if the items purchased will be delivered on time. The user interface should be simple and easy to understand even by the common people. The backend should have a strong database. This will be one of the interesting projects that the final year students can work on. This application can also allow the customers to sell the bikes to sell the bikes at right cost with great ease.

It may help collecting perfect in details.in a very short time, the collection will be obvious, simple and sensible. It will help the person to know the passed year perfectly and vividly. It also helps current all works relative to bike portal system. It will reduce the cost of collecting management and collection procedure will go
The system enables the client to check different articles put together by a client and even comment on them. Credit card payment is accessible. This system likewise comprises a of ‘rent a bike’ highlight where a client and an administrator for the bike on the lease/rent. The guest who visits the system must enrol himself by topping of individual point of interest. Student project on bikers portal user can access different features as already mentioned on the above description of bikers portal.

3. OBJECTIVES
Visitor Registration: - In this module user must register himself by filling some personal details.
Visitor Login: - After registration user will get user ID and password through which user can login to access the system.
Bike Listing and Features: - User can view list of cars and specification of the car.
Bike Parts listing and Features: - User can view list of bike parts and specification of the bike parts.
Shopping Cart: - User can select the product and add to the shopping cart which he wants to purchase.
Rent Bike: - Visitor must register himself for renting bike, he will be charged according to rent per day basic.
Bike Blog Section: - Bikers can post article and registered user can comment over it.
Sell Bike: - User can even sell their bike and get response from other user.
Bike Servicing: - User can register for bike service, where admin will get to know about date and time user wants to come for service.
Forget Password: - If user forgets his password he can just click on forget password, and he will be asked to enter user id and new password can be sent on user’s email ID, From which he can login into the system.

4. EXISTING SYSTEM
The popularity of bikes will never get old, with advancement in technology new and new features and architecture get introduce making this field more attractive and convenient. Although most people prefer bikes as they are fuel efficient, best partner during traffic jams and fast as compare to average vehicles. The proposed final year project “Bikers Portal” is targeting good amount of people known as Bikers to facilitate them in number of ways. The system to be developing is an online Bike and Bike parts or accessories store that list various items after proper categorizing them. It is basically a web based application which can also be included as web development final year project.

Advantages
1. User does not have to go manually to purchase the product, this saves time as well as human effort of the user.
2. User can view features of each product and can compare the products in order to purchase a better product.
3. User can view products in effective graphical user interface.
4. User gets to sell his bike at right price to right person in this portal.

In this system, the pc is going to be prompting the user to perform specific operations. The users have to register him on the website. By providing basic bio data including contact details, credit card information etc. The user has to set their unique user name and password. The user successfully login into the system by using his user name and password. The user can access all facilities like checking new arrivals, used bikes and many more. Beside this they can check features, inventory parts and accessories. User can add all shopping into shopping cart after that pay via credit card on stored delivery location that he mentioned while registering. Only registered user can post articles on the website. The website provides comparing option with the help of which the user compare the prices and features of different items and select best one among them.

Disadvantages
1. Visual effect of product during manually purchasing the product is different from viewing the product in your device.
2. You can definitely save time from work using bike share but, what if there are no more available docks to lock your bike.
3. The first time isn’t always easy and most are horrible bikers on their first city ride. They are scared of traffic, buzzing cars and they cycle slowly which can be dangerous as instincts and decision making should be fast and accurate.
4. All these are some drawbacks of the current system which we will overcome in the system we are developing.

5. PROPOSED SYSTEM
The proposed final year project “Bikers Portal” is targeting good amount of people known as Bikers to facilitate them in number of ways. The system to be developing is an online Bike and Bike parts or accessories store that list various items after proper categorizing them. It is basically a web based application which can also be included as web development final year project.

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 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.

6. SOFTWARE AND HARDWARE REQUIREMENTS

HARDWARE REQUIREMENTS
1. Processor : Any Processor above 500 MHz
2. RAM : 512Mb

Fig 1. Use case diagram of bikers portal
3. Hard Disk : 10 GB
4. Input device : Mouse and mic
5. Output device : Monitor and speaker

SOFTWARE REQUIREMENTS
1. Operating system : Windows 10
2. Front End : Python IDE
3. Data Base : SQL Server Management Studio
4. Database Connectivity : ODBC Sources

TOOLS USED
1. Html, Php.
2. CSS for web pages.
3. Java scripts used for shopping.
5. ML Concepts to be used for rental system.

7. METHODOLOGY
In this system mainly two types of technologies are used namely:

1. RDBMS : “Relational Database Management System.” An RDBMS is a DBMS designed specifically for relational databases. Therefore, RDBMSes are a subset of DBMSes. A relational database refers to a database that stores data in a structured format. When it stores it in rows and columns then it will be easy to locate and access the stored values within the specified database.it will be relation the values stored in each table will be related to each other and tables might also be related to each other.it makes it possible to run queries across the multiple tables at once.

2. MVC : MVC stands for Model View and Controller. MVC separates an application into three components – Model, View, Controller.

   Model: Model acts as the shape of the data. A class C# is used to describe a model. Model objects store data retrieved from the database.

   View: View in MVC is a user interface. View display model data to the user and also enables them to modify them. View in ASP.NET MVC is HTML, CSS, and some special syntax (Razor syntax) that makes it easy to communicate with the model and the controller.

   Controller: The controller handles the user request. Typically, the user uses the view and raises an HTTP request, which will be handled by the controller. The controller processes the request and returns the appropriate view as a response.

1. UI design
In this phase, the UI or the user interface of the project is developed. That is the designing of the web pages in which the user will use to interact. The user interface is designed using HTML5 and CSS3.

2. Database design
Database is important in every project since it is responsible for storing data and user credentials. That is, database mainly aims User authentication and storing all the user data. The database design will include various tables’ creation for storing user data.

3. System design
The system will consist all the modules such as: shopping Module and Rent a bike module and Bike service registration module, and various modules are as listed below.

   The following are modules are the ones that are under developed. Their working is as follows:

   • Visitor Registration/ Login module.
   • User may check various Bike listing with features.
   • User may check the Bike features and inventory parts.
   • User may select and add products to shopping cart.
   • Credit card payment option for Bike part shopping.
   • Test drive booking registration available.
   • Bike service registration available.
   • Rent Bike module.

We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them. In the last we would like to thanks all the persons involved in the development of the system directly or indirectly. We hope that the project will serve its purpose for which it is develop there by underlining success of process.

8. CONCLUSION
This Bikers Portal can be used by any user of any age group with ease of access. 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. But Visual effect of product during manually purchasing the product is different from viewing the product in your device.

9. FUTURE WORK
In a nutshell it can be summarized that the future scope of the project circles around maintaining information regarding:

   • We can add printer in future.
   • We can give more advanced software for Bikers portal system including more facilities.
   • We will host it on platform on online servers to make it accessible worldwide.
   • Integrate multiple load balancers to distribute the loads of the system.
   • Create the master and slave database structure to reduce the overload of the database queries.
   • Implementing the backup mechanism for taking backup of codebase and database on regular basis on different servers.

The above mentioned points are the enhancement which can be done to increase the applicability and usage of this project. Here
we can maintain the records of bikers portal. Also as it can be seen that now-a-days the players are versatile i.e so there is a scope for introducing a method to maintain the Bikers portal system. Enhancements can be done to maintain all the bikes, Customer, Booking etc. The major drawbacks of the application can be used as the future enhancements for this project.

10. REFERENCES

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