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Motopoint-A Web Based Biker Portal System

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ABSTRACT: Getting Spare Parts and other Bike Accessories is very hectic and time consuming To do the same one has to visit several showrooms and authorized dealerships. So with the help of this website one can order spare parts for his/her vehicle. The website will enable user to order parts online sitting at home at his own convenience. This will save the users time of visiting showrooms and dealerships. Money may also be saved by the discounts provided on the website.

KEYWORDS: PyCharm IDE (Python ==3.8), Django == 3.2.1,Eclipse IDE Oracle Database (MySQL) ,HTML,CSS.

I. INTRODUCTION

The popularity of bikes will never get old, with advancement in technology new features and architecture get introduced making this field more attractive and convenient for newer generations. We as Indians prefer bikes as they are fuel efficient, best partner during traffic jams and fast as compared to average vehicles. The planned final year project "Bikers Portal" is focusing on a good amount of people known as Bikers to aid them in number of ways. The system to be developed is an online Bike parts or accessories store that lists various items after proper categorizing them. This website will help users to order parts online thus saving the users time of visiting various showrooms and dealerships.

II. METHODOLOGY

Python

Python is an object-oriented, interpreted, high-level programming language. It has a high-level build in data structures that make it very attractive for R.A.D(Rapid Application Development), as well as for use as a scripting or glue language to connect existing components together. Python's syntax is easy to learn and it emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages code reuse. The Python extensive standard library is accessible in source or binary form for free of cost on major platforms.

Django

Django is a web application framework built with the base of Python. It allows us to easily create dynamic web apps using Python. First of all, you need to have Python installed on your computer. On MacOS, you don't need to install Python, unless you'd like to update it to the latest version. To check version of Python on your computer, type `python --version` on the terminal for MacOS and the command line for Windows.

HTML And CSS

HTML(Hyper Text Markup Language) is the universal markup language for the Web. HTML lets you format text, make graphical interfaces, create web-links, input and output forms, add and remove frames and tables, etc., and save it all in a file that any browser can execute and display.

CSS is used to control layout of multiple Web pages all at once. With CSS, all formatting can be detached from the HTML document and deposited in a separate file. CSS gives you total control of the web-page layout, without messing up the file contents.

III. DESCRIPTION

This is an online bike accessories store that has listings of various bike spares along with their features. The system allows user to buy accessories, bike parts and inventory online through credit card payment. This system also consists of 'Our Mechanic' feature where user can ask admin for personal mechanic for fitting of the part. 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 bike parts feature. User can also check features of the particular bike as well as inventory parts, and accessories he/she owns. 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

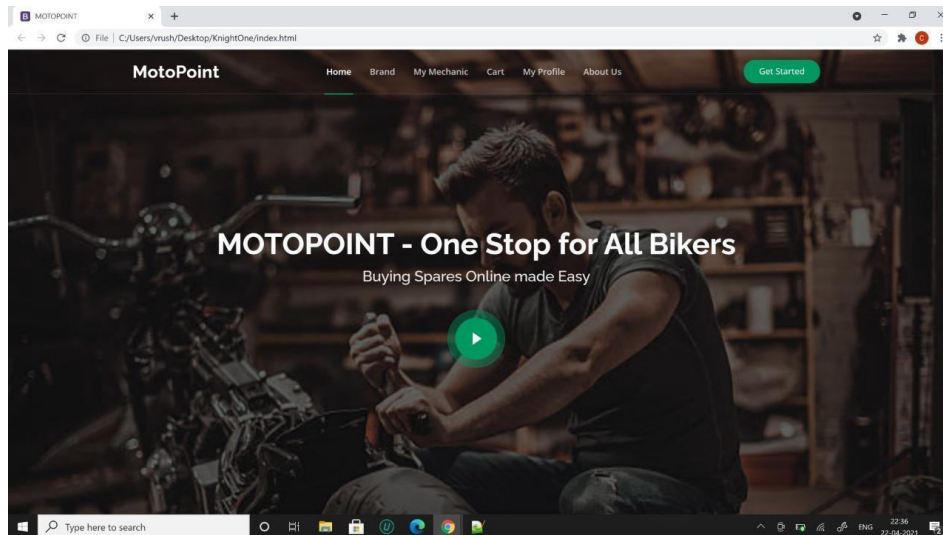


Fig 1. Home page

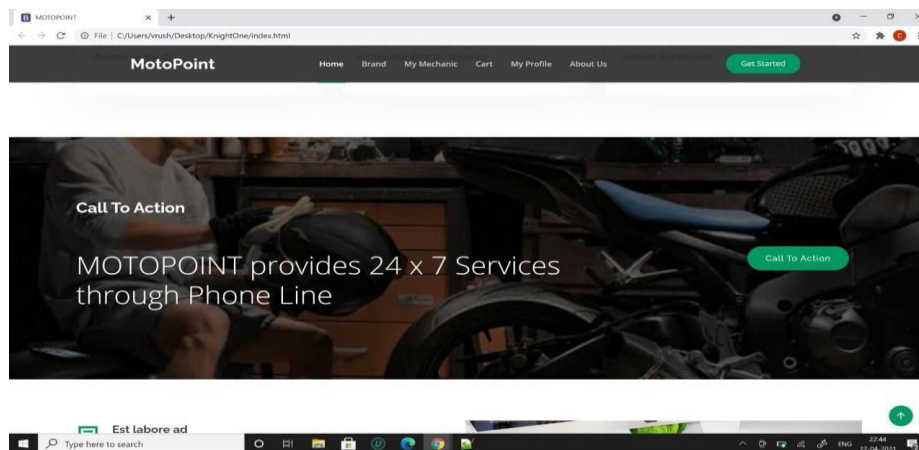


Fig 2. Login page

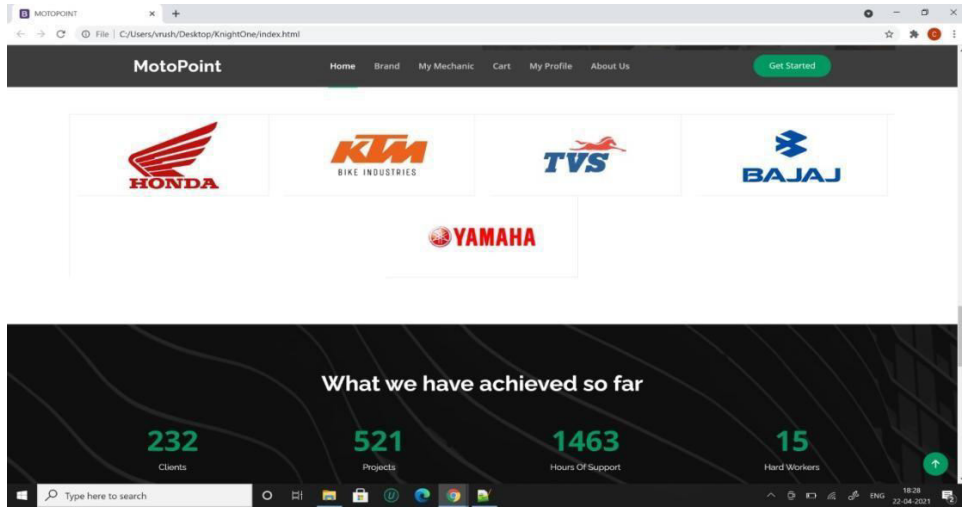


Fig 3. Parts Details

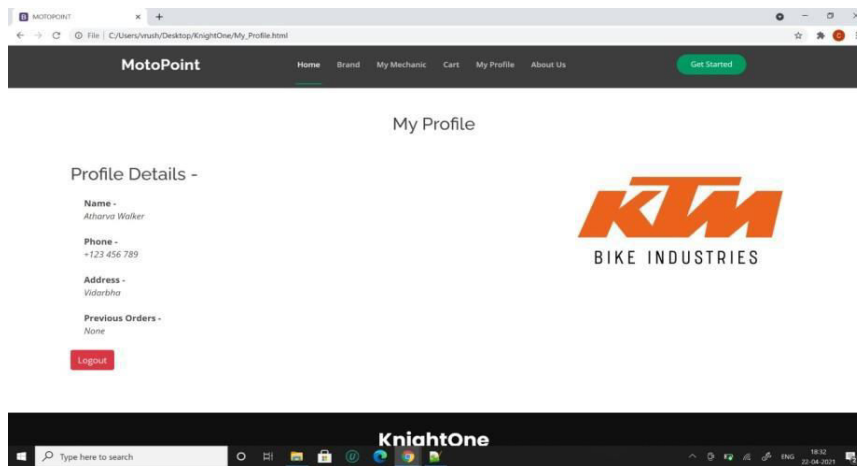


Fig 4. Profile Page

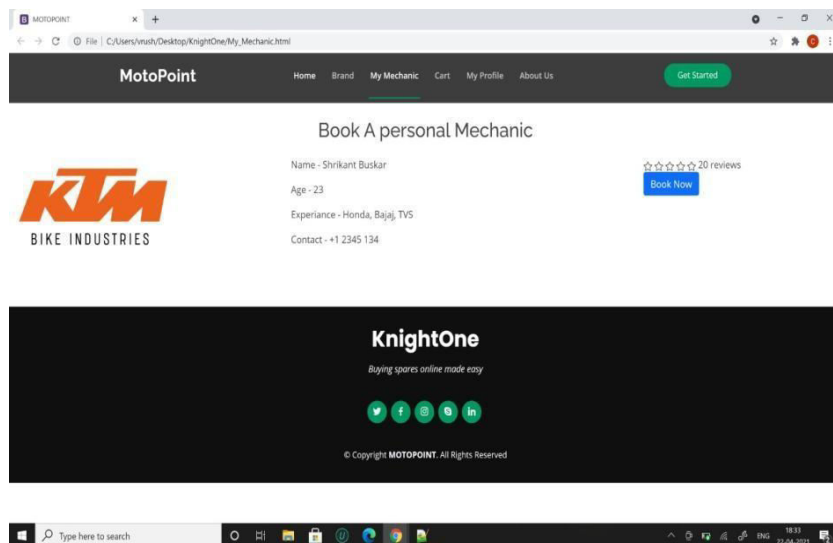


Fig 5. Booking Page

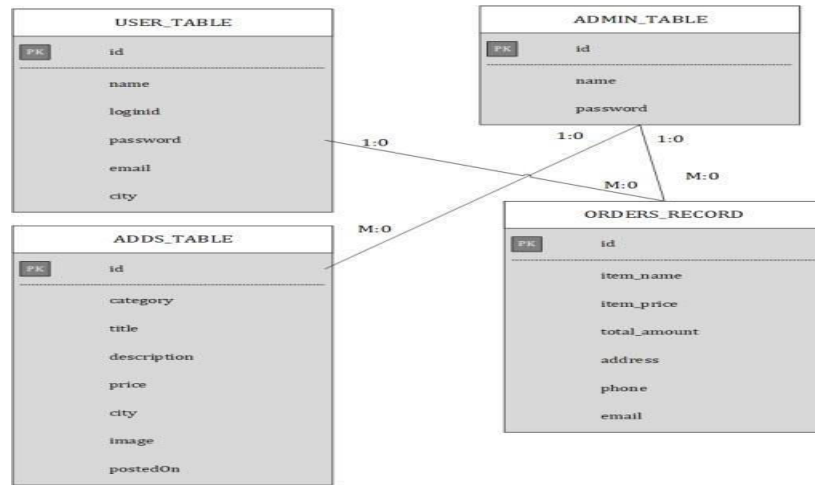


Figure : Block Diagram Displaying Internal Working .

Analysis: Working of the website in short.

1. Once a person opens the website a login page will appear , an old user can enter his/her credentials and proceed .
2. But a new customer has to create a new Account or ID for shopping online .
3. Registration has to be done with help of valid mobile no. and OTP procedure.
4. After entering valid OTP ,user will have to fill personal info such as age and address etc.
5. 5.Once done with the registration an account will be created for further use of user.
6. Now user can Start Shopping with his needed Parts and Accessories
7. Once the customer is in the website , he/she can start searching for the parts needed .
8. One can also search for parts of different vehicles not just specifically their own .
9. They can place their order on the address provided by the user .
10. One can also book “Our Mechanic ” for further help of the user .
11. Once the order is placed one can track their order using a GPS tracker link provided by admin .
12. The customer will be able to do easy payments such as Cash On Delivery or Early Payments using Credit /Debit cards or even UPI transactions.

IV. RESULTS

It is implemented on web base application which is useful for buying products online the website enables user to buy online spares for his /her vehicle . The website assures users to get 100% genuine products from the brand itself. The website also provides personalized mechanic for fixing up the part of the bike. The customers will be provided products with good quality packing which will used the chances of damage .The products can be easily returns if customer is not satisfied.

V. CONCLUSION AND FUTURE WORK

This website will provide easy shopping options for automobile enthusiasts for upgrading their bikes or mopeds .This project is to develop a website that will sell spares parts online thus saving the users time and money . This is an online bike parts store that has listings of various sparts along with their features and compatibility with ones automobile. This system allows user to buy spare parts and book a personalized mechanic provided from the company . System allows user to review various accessories provided by admin and even comment on them. The users can provide feed back on the received parts or spares. Easy return and replace policy will also be provided by the admin.



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