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Motorcycle Part and Service Shop

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ABSTRACT:

This motorcycle parts and services store management system has two user interfaces. One of these is the control terminal or control panel, which can be used for control purposes only. This side requires user credentials to access the features and functions of this side of the system. While administrative users can access and manage all tasks and information on the system side, employees have limited access. This includes product s, services, requests, orders, etc. It is part of the governing system. The other side of the system is public. Some functions and features can only be viewed and used by registered users. New visitors only need to create their own account to access all areas of the site such as shopping cart, order form, service request form.

The emergence of ecommerce has transformed the traditional retail industry, including the automotive industry. This project introduces an online motorcycle sales and marketing platform using the PHP platform, aiming to provide a seamless service to motorcycle enthusiasts. Keywords: for sale, bicycle parts, online order, registration.

INTRODUCTION

This is called "Motorcycle Parts and Service Management System" in PHP. This is a webbased application that provides motorcycle customers or potential customers with an online site to place order s and submit service requests. This is an online shopping site where motorcycle or bicycle sellers can advertis e their products for sale. This will allow business customers to browse, search and find the products they want . The site also offers a form that allows customers to submit a request for the specific bike service they need. The app has a nice user interface and userfriendly features and functionality. This motorcycle location and ma nagement service has a user interface on both sides.

Next is the control panel or admin panel, only access to administration is provided. This side requires staff or user credentials to access features and functions on that side of the system. While administrative users can acc ess and manage all tasks and information on the system side, employees have limited access. This includes pr oducts, services, requests, orders, etc. It is part of the governing system.

The other side of the system is open to the public. Some functions and features are only visible and available to registered customers.New visitors simply need to create their account numbers to access all parts of the site such as the shopping cart, order form, and service request form. The PHP project also produces reports on ser vice requests and orders. Both reports can be filtered by date. The report is also ready for publication. choose the system name, "About" content, logo, etc. It is also possible to change the information system.

METHODOLOGY

In this study, this method is one of the most important ways to understand and analyze the process and reveal the different tools used by the researcher. The current business process of Sales and Inventory Manageme nt is relevant to LJJG Motor Shop as it offers services like a truck that can repair and maintain vehicles. In fact, LJJG Auto Shop is the oldest auto shop in Agdal, it has been operating for almost nine years and they have   another branch to gather their big clientele. However, so far, no computerized systems have been used to assist in the sale and management of inventory. This explains the need for product management. Agile Method The de velopment method recommended in this project is the agile method. Because of its ability to improve quickly a nd easily in software development. The proposed system will use Agile Methodology. Agile would imply a flexi ble approach that responds rapidly to changes, and this is accurate, developers to go back to a previous stage an d make essential adjustments, thereby refining the software without much delay.

LITERATURE SURVEY

Motorcycle accessories are features chosen by motorcycle owners to increase safety. The main websit es to buy motorcycles include India Mart, Amazon, Flipkart, big boss etc. takes place.We will provide the ne cessary equipment to increase motorcycle safety, performance and comfort. Data research for motorcycle an d service shops involves reviewing existing literature, research articles, and publications to gain an indepth understanding of various

aspects of the business. Motorcycle Parts and Services Industry Overview Ex plore comprehensive information that provides an overview of the motorcycle industry, its industry structure and key players. Find reports from trade associations, market research firms and government agencies. Resea rch on Consumer Behavior and Preference in Research or articles on consumer behavior in the Motorcycle P arts industry and Services. Investigate factors that influence purchasing decisions, brand trust, and the impact of online reviews. Motorcycle Parts Quality and Standards View information about motorcycle quality stand ards and certifications. This may include research into the durability and performance of different products a nd brands. Learn how adherence to quality standards impacts customer trust and satisfaction. Service Quality and Customer Satisfaction Research on service quality in the automotive repair industry, with a focus on mo torcycle service. Discuss customer satisfaction patterns and factors affecting satisfaction in motorcycle repair and maintenance.

SYSTEM DEVELOPMENT

Developing a web-based system for a motorcycle parts and service shop involves creating an interactive platform that facilitates online transactions, customer management, and inventory control. The system should incorporate user-friendly interfaces, secure data handling, and seamless integration with existing business processes.

Core Functionalities:

1. Inventory Management:

   o Maintain a comprehensive database of motorcycle parts and accessories, including detailed descriptions, specifications, pricing, and real-time stock levels.

   o Implement a barcode scanning system for efficient part identification and inventory updates.

   o Set reorder points for parts based on historical usage and demand to prevent stockouts.

   o Generate inventory reports to track stock levels, identify slow-moving items, and optimize purchasing decisions.

2. Sales Transactions: o Process online sales transactions accurately and efficiently, recording customer information, product details, quantities, and pricing. o Generate invoices and receipts for each transaction, providing clear documentation for customers and accounting purposes.

   o Implement a secure payment gateway to process credit card and other digital payment transactions.

   o Offer various payment options, including cash on delivery (COD) for local customers.

3. Service Request Management:

   o Allow customers to submit service requests for motorcycle repairs and maintenance through an online form.

   o Provide a scheduling system for customers to conveniently book appointments based on technician availability.

   o Enable customers to track the progress of their service requests through real-time updates.

   o Generate service reports detailing the work performed, parts used, and associated costs.

4. Customer Management:

   o Maintain a centralized database of customer information, including contact details, purchase history, and service records.

   o Implement a CRM (Customer Relationship Management) system to track customer interactions, preferences, and feedback.

   o Segment customers based on purchase patterns and preferences for targeted marketing Maintain a centralized database of customer information, including contact details, purchase history, and service records.

   o Implement a CRM (Customer Relationship Management) system to track customer interactions, preferences, and feedback.

   o Segment customers campaigns and promotions.

5. Reporting and Analytics:

   o Generate comprehensive reports on sales performance, inventory levels, customer demographics, and service utilization.

   o Analyse sales trends to identify top-selling products, potential areas for growth, and customer purchasing patterns.

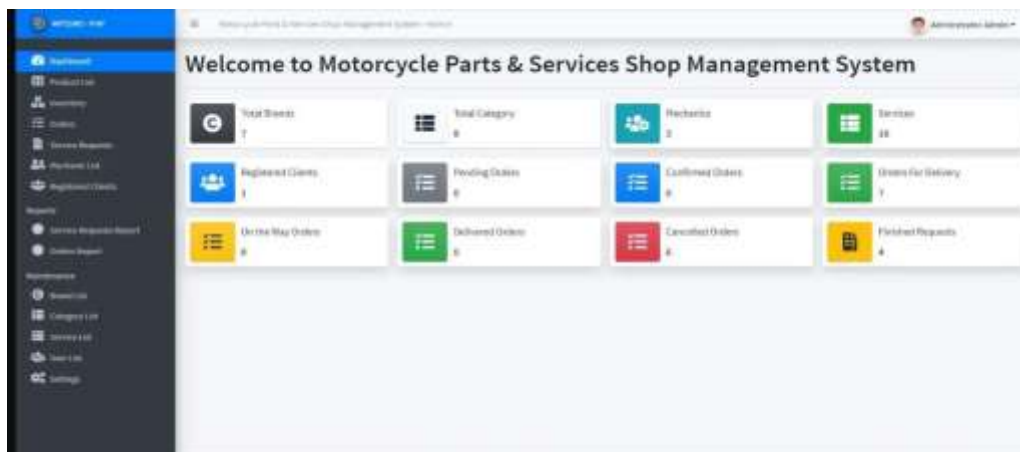**RESULT**

Fig. a: Front view

Fig. b: Login page

Fig. c: Dashboard

CONCLUSION

In conclusion, owning and working at a motorcycle dealership can be a rewarding career with many b enefits. A growing business, a stable customer base, a wide range of different products and income from mai ntenance need to provide a solid foundation for a successful business. Additionally, engagement with the cus tomer base, changing trends, online sales opportunities, and community involvement further enhance the gro wth and potential of the market.

REFERENCES

[1]   https://www.sih.gov.in/

[2]   https://chat.openai.com/

[3]   https://www.researchgate.net/profile/Mark-Van-Buladaco/publication/