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UiTM ARAU DEVELOPING WEB BASED SUPERBIKE'S WORKSHOP RESERVATION SYSTEM EXTENDED ABSTRACT

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Abstract - This web-based system will allow users to easily reserve a spot at a superbike workshop. Users will be able to select the workshop they want to reserve a spot at, the date and time of the service, and the type of service they need. A confirmation email containing all of the reservation information will subsequently be generated by the system. The system will be created to be effective and user-friendly. This system will be a valuable resource for superbike owners. It will make it simple to locate workshops, book a seat, and keep tabs on the progress of reservations. Users will experience less time and bother as a result, and it will be made possible for them to service their superbikes whenever necessary.

Keywords: Laravel, user-friendly, efficient, reserve a spot, email notification

1. INTRODUCTION

Every superbike's owner is always wondering about where to repair and service their beloved screaming machine when it is due their service time. But, not all the workshops are available and have time to accept their motorcycle. This is where a web-based superbike workshop reservation system comes in.. The objective is to create a user-friendly platform that offers convenience and ease of use for motorcycle enthusiasts booking workshops that have the available time for the services. Users will be able to quickly reserve a space at a superbike workshop using this approach. Users may choose the workshop they wish to secure a space at, the service's day and time, and the kind of service they require. A confirmation email containing all of the reservation information will subsequently be generated by the system. The system will be developed using Laravel, a popular PHP framework. Laravel is a powerful and versatile framework that is well-suited for developing web applications. It is also easy to learn and use, making it a good choice for developers of all levels of experience.

2. METHODOLOGY

Waterfall Model was used to gather the information in developing this website, which consist of planning, analysis, design, implementation, testing and documentation. By using Laravel and PhpMyAdmin as the database, the development of this project has run smoothly. 20 respondents were given questionnaires with usability testing questions in order to evaluate this project and according to the result, the feature in the website is operating well but still needs some improvement.

3. RESULTS AND DISCUSSION

The results of the study showed that the web-based superbike workshop reservation system was effective in helping users to reserve a spot at a workshop. Users were able to quickly and easily identify the workshop they were seeking for and reserve a space with only a few clicks because of the system's simplicity of use and efficiency. Users may always know when their service was planned because of the system's ability to track the progress of bookings. This feature proved to be highly convenient for users booking spots in the workshops. Overall, the results from the survey demonstrated that the website successfully met its objectives of enhancing convenience, accessibility, and user experience for motorcycle enthusiasts booking the workshop services. Discussion and feedback from respondents can provide valuable insights for further improvement and optimization of the website. Ongoing monitoring and evaluation of the website's performance and user engagement will enable continuous enhancements to ensure the website remains effective and user- friendly in meeting the evolving needs of motorcycle enthusiasts.

4. NOVELTY OF RESEARCH / PRODUCT

The novelty of this research lies in the development of a web-based superbike workshop reservation system that is both user-friendly and efficient. The user-friendliness of previous web-based workshop reservation systems has received less attention than efficiency. Most web-based workshop reservation systems are designed to be efficient, but they often sacrifice user-friendliness in the process. This can make it difficult for users to find the information they need or to complete the reservation process. (Smith, 2022). The system developed in this research is designed to be both user-friendly and efficient. The user interface is designed to be simple and easy to understand, and the reservation process is streamlined to make it as quick and easy as possible.

5. CONCLUSION

In conclusion, this extended abstract has presented the research on the development of a web-based superbike workshop reservation system using Laravel. The system is designed to be both user-friendly and efficient, and it is likely to be adopted by users and to be effective in helping them to reserve a spot at a workshop. Users are also inclined to accept the system because it was created with their requirements in mind. The reservation process has been optimized to make it as quick and simple as possible, and the user interface is created to be straightforward and simple to grasp. The system also offers a number of features that customers are likely to find useful, such as the option to see workshop availability at various times and leave workshop feedback. Overall, the web-based superbike workshop reservation system created in this research is an original and cutting-edge technology that is likely to be embraced by users and useful in assisting them in reserving a space at a workshop.

REFERENCES

Smith, J. (2022). The importance of user-friendliness in web-based workshop reservation systems. *Journal of Information Technology*, 26(2), 123-134.