

ABSTRACT

Instarent is a Website created to make it easier for people to rent vehicles, particularly cars and motorcycles, without having to visit the rental location in person. The idea for this system emerged after observing that the manual rental process was still complicated and time-consuming. Through this platform, users can search for available vehicles, make online reservations, and pay directly via Midtrans. Meanwhile, the admin can manage vehicle data and monitor rental history. During its development, the author used the Waterfall methodology, starting from requirement analysis, system design, coding, testing, and finally maintenance. This Website was built using Codeigniter 4 with the support of PHP, JavaScript, and a MySQL Database. The integration of Midtrans as a payment gateway in the system has proven to facilitate smooth digital payment processes. The final results show that the system works as expected and meets user needs. It is hoped that Instarent can become a solution for vehicle rental businesses, especially in the Bandung area, to transition to a more modern system.

Keywords: vehicle rental, Website, online reservation, Midtrans, payment gateway