

Abstract

Zewa Indonesia is a digital platform that brings together rental partners who want to rent their goods with renters. Through this rental website, renters can search, compare and book goods for a certain period of time. However, to ensure the success of this platform, it focuses on understanding user needs and providing an easy-to-use interface. The lack of information about renting goods requires a more effective data collection method. Therefore, the web scraping method is applied to collect complete data from the zewaindonesia.com website. The web scraping method uses selenium and appropriate protocols to automate the data collection process in chrome. Using laravel, a responsive and user-friendly interface design was developed for this testing rental platform using black box testing. Application development follows the waterfall method with Requirements Analysis, Design, Development, Testing, and Maintenance with UML design using PHP and MySQL. This study provides important insights into an effective rental platform for the development of an optimal rental platform. With the methods applied, this study helps platforms like zewaindonesia.com in better meeting customer needs, and improving the rental experience. The results of this study indicate that the approach used not only supports the design of responsive and functional systems, but also facilitates the delivery of accurate and useful data to users.

Keywords: User Requirements, rental platform, Web Scarping and Laravel