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APPLICATION DEVELOPMENT FOR BOARDING HOUSE MANAGEMENT
BACK-OFFICE BOARDING HOUSE MANAGEMENT
(OWNER ACCESS SIDE APPLICATION)

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Abstract

As a metropolitan city, Jakarta has many people especially workers and students coming from outside Jakarta that need a place to stay. To accommodate the need for housing, some people run a business by providing a boarding house for this particular walk of life. However, the boarding house is generally managed traditionally in that manual business process with heavy usage of paper is still dominant resulting in slow business process and low-quality service. Although Some of the business processes of the existing boarding house management has involved the digital technology but its usage is still limited and unintegrated. In order to be competitive in running the boarding house business, it is necessary that there should be improvement in the business process using digital technology to increase the quality service for the customers. Hence a website that has a capability of integration between the marketplace and the back-office need to be created. Furthermore, the website has the features of screening the candidate, tenant management, inventory control as well as productivity that helps the business owner manage the boarding house. The website developed with Express.js and React.js, with MySQL as a database. The application was tested with several test cases for interface flow and API, and also UAT test for targeted participants.

Key Words

Boarding House Management System, Web Application, API, Node.js, Express.js, React.js