

ABSTRACT

Inventory management that is not yet optimally computerized can hamper retail operations, particularly in stock recording and purchasing. This is the case at the Frontline Clothing store, which still uses manual record keeping, creating the risk of data errors and delays in purchasing decisions. To address these issues, a web-based system was designed that can record purchase transactions, automatically integrate stock data, and provide real-time accounting information in the form of a general journal and ledger. The system was developed using the Software Development Life Cycle (SDLC) approach using the Agile method, consisting of planning, implementation, testing, documentation, launch, and maintenance. The tools used in developing this application include PHP, the CodeIgniter framework, a MySQL database, and a local XAMPP server. The results of this system implementation demonstrate that the application is capable of automatically recording purchases, displaying stock cards using the average method, and recording financial transactions using the established COA structure. This system also simplifies the stock evaluation and financial reporting processes and supports store operations in making more precise and accurate purchasing decisions.

Keywords: information systems, inventory management, purchasing, stock card, codeigniter