

Building a household inventory management system: ensuring data integrity and optimizing picking location during outbound operations.

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Abstract: During the operation of household warehouses, ensuring data integrity and optimizing the picking process during outbound shipments has become an urgent issue. This topic focuses on building a warehouse management system to address these challenges by combining theoretical research with practical application implementation. The methods employed include requirements analysis, model design, and system testing. It is expected that the success of this topic will significantly contribute to improving household warehouse management, enhancing operational efficiency, and reducing transportation costs.

Keywords: Household warehouse management, Data integrity, Pick location optimization, Applied research, Warehouse management system