

# A Household Hardware & Sales Forum using Dynamic Stock Control Technique

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## Specifications:

- Front-End - HTML, CSS, JavaScript
- Back-End - SQL
- Framework - PHP

## Abstract :

- This study presents the conceptualization and development of an E-Commerce platform tailored specifically for Household hardware and electrical products. The project focuses on the integration of a sophisticated Real-Time Inventory Management System Algorithm, ensuring accurate and live updates and live updates on product availability.
- This plan contains three domains,
  - Design - Designing web-page animations using HTML and CSS
  - Develop - Implementing the coding and framework to make the page responsive.
  - Database - To store the payment and management details.

## Algorithms and Techniques:

- ❖ Real-Time Inventory Management Algorithm - Implement algorithm that continuously update and track inventory levels in real-time to provide accurate product availability information to customers. Techniques like FIFO, LIFO, JIT can be implemented.
- ❖ Search and Filtering Algorithms - To Develop a efficient Search and Filtering Features for users to find products quickly based on various criteria such as Category, Price range, brand, Etc. With the help of Iterative Binary Search algorithm and Keyword-Based Filtering Algorithm