Project Report

Source Code

GitHub & Project Demo Link

1. INTRODUCTION

1.1 PROJECT OVERVIEW

Retail inventory management is the process of ensuring you carry merchandise that shoppers want, with neither too little nor too much on hand. By managing inventory, retailers meet customer demand without running out of stock or carrying excess supply. It's essential if retailers like to avoid situations where they run out of popular items or end up with excess items that nobody is buying. Whether it's an online or brick-and-mortar retailer, it can allow to manage the inventory in a way that reduces costs and has a positive impact on your bottom line.

In practice, effective retail inventory management results in lower costs and a better understanding of sales patterns. The other benefits of retail inventory management include increased profits, reduced dead stock, time savings, increased finances and better forecasting. Retail inventory management tools and methods give retailers more information on which to run their businesses. Applications have been developed to help retailers track and manage stocks related to their own products. The System will ask retailers to create their accounts by providing essential details. Retailers can access their accounts by logging into the application.

Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock. They can view details of the current inventory. The System will automatically send an email alert to the retailers if there is no stock found in their accounts. So that they can order new stock.

1.2 PURPOSE

The goal of this project is to create an effective inventory system for retailers that will provide several benefits such as lowering storage costs, not having to tie up money due to dead stock, avoiding many of the tedious, time-consuming tasks that come with managing your inventory, fewer items that take up space rather than meeting your customers' needs and bringing in a profit, lower inventory costs, less dead stock, and enough supply to fill all customer orders, and improving inventory accuracy.

2. LITERATURE SURVEY

2.1 EXISTING PROBLEM

Inventory is the lifeblood of any product-based business, and it is critical that you manage it effectively in order to achieve business success and growth.

Inventory management presents a number of challenges. They include being unable to locate or identify stocks in your inventory, as well as having difficulty shipping products on time, which can harm your company's reputation. Incomplete, difficult-to-find, or incorrect inventory will inevitably hurt your bottom line.