

Abstract

Inventory Management System for Retailers

Problem statement:

The problem faced by the retailers is that they do not have any system to record and keep their inventory data. It is difficult for the owner to record the inventory data quickly and safely because they only keep it in the logbook and not properly organized.

Objective:

Retail inventory management is the process of ensuring retailers meet customer demand without running out of stock or carrying excess supply. The objective of the project is to create an application that help retailers to track and manage stocks which results in lower costs and a better understanding of sales pattern.

By creating an application, retailers can log in to it and can update inventory details, also users will be able to add new stock by submitting essential details related to the stock. Retailers can also 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.

Software Required:

Software required to implement this project are IBM Cloud, HTML, JavaScript, IBM Cloud Object Storage, Python-Flask, Kubernetes, Docker, IBM DB2, IBM Container Registry.

Proposed model:

