



Supermarket



What is Supermarket Management System?

The supermarket management system is a system that stores data and enables functionality that organizes and maintains the product use process within supermarket.

This system contains:

- **ERP (Enterprise Resource Planning) System**

that helps to track business resources, raw materials production capacity and the status of business commitments: orders, purchase, and payroll.



- **HR (Human Resource) management**

also included and it involves in both strategic and comprehensive approaches to managing people, as well as workplace culture and environment. ERP system also contains POS (Point of Sale) which is what takes place between a merchant and a customer when a product or service is purchased, commonly using a point of sale system to complete the transaction.





● AR (Augmented Reality)

technology is a part of this system and its features as follows:

Cardboard Videos:

Is a virtual reality (VR) platform developed by Google for use with a head mount for a smartphone. Named for its fold-out cardboard viewer, the platform is intended as a low-cost system to encourage interest and development in VR applications.



Walkthrough VR:

A virtual walkthrough is a moving representation of a place, such as a supermarket. This supermarket can be an actual supermarket, a supermarket with empty shelves, or a planned supermarket in development. Virtual Walkthrough is a very powerful way of 'feeding' the visitor's imagination. It's like somebody is moving through the property with a video camera, giving the viewer a first person view with the feeling of 'presence' and the ability to move through the property as if they're actually there.



Interactive 360 Panorama:

360-degree videos, also known as immersive videos or spherical videos, are video recordings where a view in every direction is recorded at the same time, shot using an omnidirectional camera or a collection of cameras. It can also be played on a displays or projectors arranged in a sphere or some part of a sphere.



Oculus Rift Apps:

The system's Constellation positioning technology uses gaze tracking and IR LED sensors to identify the user's position while interacting with the virtual environment.

Users can move freely within their physical environment, sitting, standing, walking, turning, ducking and dodging as they desire. An Xbox One controller provides familiar gaming functionality and the system's Touch input devices enable left and right virtual hand control.

