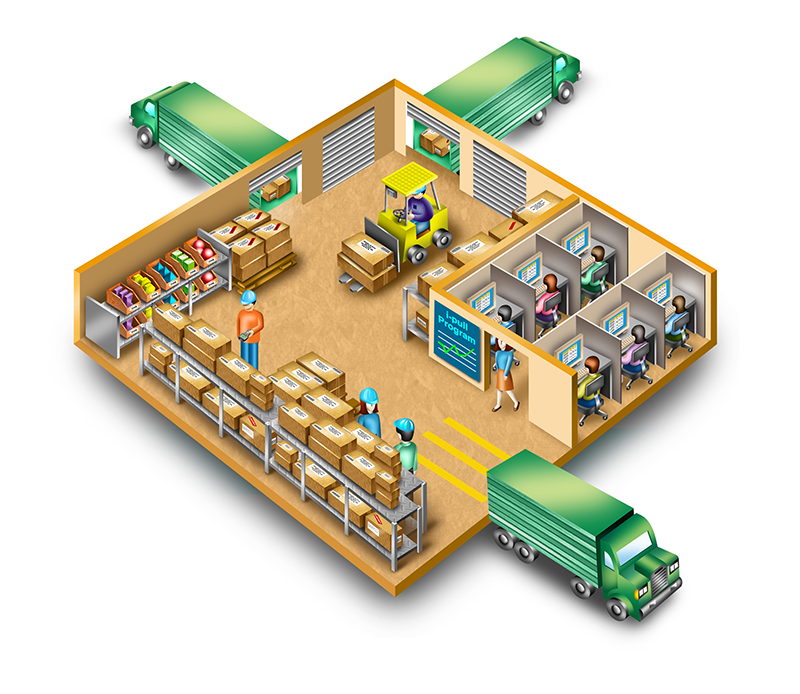


**Palestine Technical University-Kadoorie**

Computer Systems Engineering Department



**A Warehouse Management System**

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**Abstract:**

This project introduces a sophisticated Warehouse Management System (WMS) designed to meticulously track inbound and outbound inventory movements, monitor stock levels, manage expiration dates, and advance reservation for warehouses ,easy access to the storage with financial reports.

The system offers real-time visibility into inventory flows, ensuring accurate records of goods entering and leaving the warehouse. Additionally, it includes features to monitor and prevent stock from expiring, minimizing wastage and maximizing profitability. By integrating payment methods, the system facilitates seamless transactions, enhancing operational efficiency. Through this comprehensive approach, the WMS optimizes inventory control, mitigates losses due to expiration, and streamlines financial processes, ultimately bolstering warehouse operations.

**1 . INTRODUCTION**

This project introduces a sophisticated Warehouse Management System (WMS) designed to meticulously track inbound and outbound inventory movements, monitor stock levels, manage expiration dates, and streamline payment methods with easy access to the storage

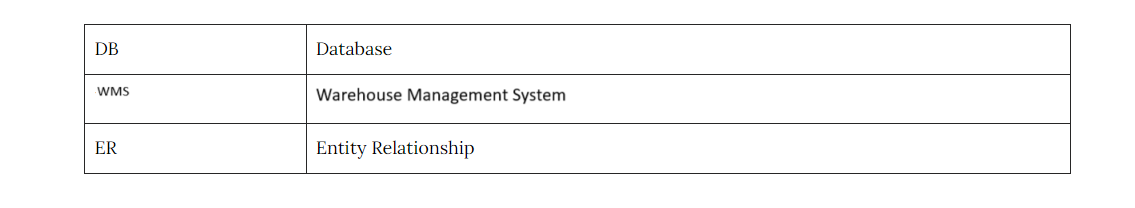
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**1.1 Purpose**

The purpose of this document is to build an online system to manage the warehouses and track inbound and outbound inventory to ease access to the storage.

**1.2 DOCUMENT CONVENTIONS**

This document uses the following conventions.



**1.3 INTENDED AUDIENCE AND READING SUGGESTIONS**

This project is a prototype for the warehouse management system and it is restricted within the college premises. This has been implemented under the guidance of college professors(**Dr. Osama Hamed**)

This project is useful for the large companies that have very large storage spaces that and as well as to the shop owners

**1.4 PROJECT SCOPE**

The purpose of the online warehouse management system is to ease manage the warehouses and track inbound and outbound inventory to ease access to the storage and to create a convenient and easy-to-use application for shop owner to request an order and know my estimated time of arrival.

The system is based on a relational database with its warehouse management and functions to control the outbound ,inbound and storage.

We will have a database server supporting thousands of types of goods, that is available in Palestine . above all, we hope to provide a comfortable a user experience along with the best pricing available and accurate timing.

* 1. **REFERENCES**
* <https://krazytech.com/projects>
* Software Engineering 9th Edition by Ian Sommerville

## 5. NONFUNCTIONAL REQUIREMENTS 5.1 PERFORMANCE REQUIREMENTS

## A) E-R DIAGRAM

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## 

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## GitHup resp: [Warehouse-management-system](https://github.com/ahmadtomeh03/Warehouse-management-system)