

# WAREHOUSE MANAGEMENT SYSTEM

## Introduction

This project is developed using SQL server 2017 and visual studio 2019. Choose Amazon's cloud service in the database. The system is divided into the manager interface and staff interface according to the user's authority. The functions of the two interfaces are different. The employee interface can modify the account password, query the product information in the warehouse, and fill out the warehouse order and purchase order. The manager interface can create and delete staff accounts and approve orders.



## Integration-test

Although there were many accidents and problems during the development stage, these were overcome in the process of the project. Finally, the EXE file was exported from Visual Studio, which can be run directly. The result of the operation is the same as originally planned. When the purchase order filled by the employee is approved, different sources will be displayed—a different color. Products with a quantity of less than 10 in the warehouse will be displayed on the employee interface's left side. The cloud database can also be connected stably during operation.



CLOUD DATABASE

## Future plan

Improve current functions, such as adding delete function in the approval order interface. In pursuit of a more mature interface design, the contemporary front design is too monotonous. Add new features to meet more diverse requirements.

## Background

Warehouse management systems have high work efficiency, easy operation, and diversified systems, becoming more and more popular in the business environment. But its cost is usually relatively high. The purpose of the system developed for this project is to provide a low-cost warehouse management system, but it also has essential functions and is in line with current trends. It is connected to a cloud database to save costs further. This system is suitable for small warehouses and operators who want to reduce costs in the early stage.

Name: Zaihong Shi

Supervisor: Lars Oliver Dam

**nmit**

Nelson Marlborough Institute of Technology  
Te Whare Wānanga o Te Tau Ihu o Te Waka a Maui