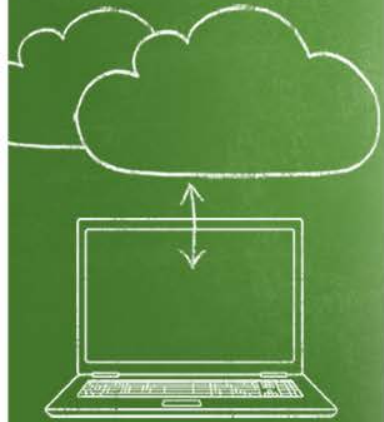


EEI Final Presentation

106034548 周博仁

Outline

- As-Is
- 5W1H
- Demo
- Future Direction



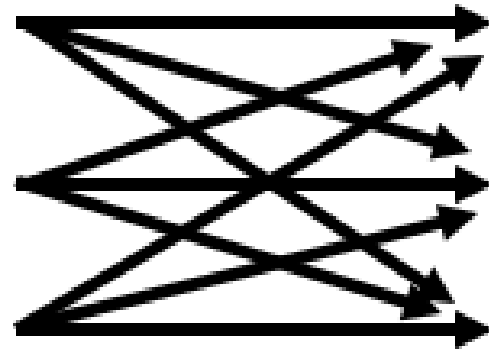
As-Is

As-Is

Wholesaler1 ↵

Wholesaler2 ↵

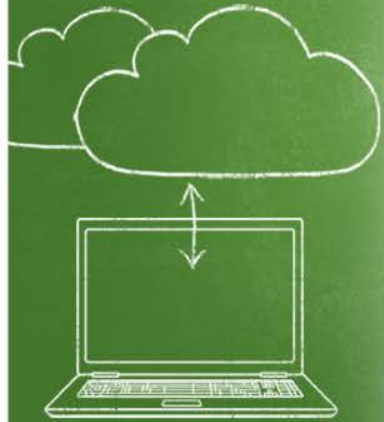
Wholesaler3 ↵



Restaurant1 ↵

Restaurant2 ↵

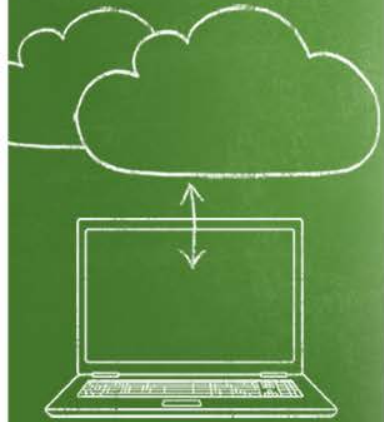
Restaurant3 ↵



5W1H

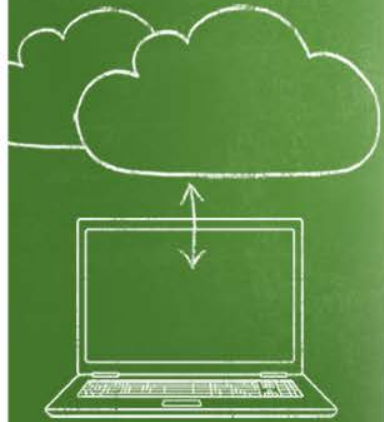
What

- Warehouse Management System (WMS) for restaurants
- It is a platform that allows restaurants to input their demand for ingredients such as vegetable, meat and oil
- The platform then can deliver the needs to the restaurants



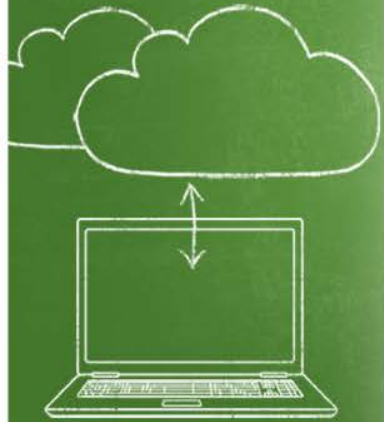
Why

- With WMS the service level, cost and quality of the restaurant can be stable and assured
- The waste of food and transportation costs can be eliminated
- The whole supply chain can benefit from the WMS



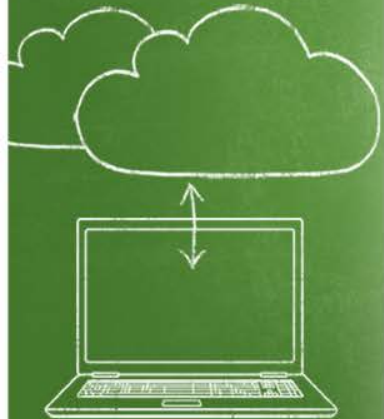
Where

- We can access the WMS through website
 - Allows the restaurants to order conveniently and simple for the warehouse to manage the data
- There is a warehouse nearby to support the system
 - With the warehouse, the restaurant can save more storage space



When

- The WMS updates simultaneously
- The delivery frequency is once a day
 - One of the three options morning, noon and night depends on what kind of restaurant



Who

- The roles in the model include Wholesaler (Supplier), Restaurant (Customer), Warehouse
 - Wholesaler : Act as a supplier that provides the restaurant the ingredients they need
 - Restaurant : Customer that send orders to the WMS
 - Warehouse : Manages the orders and delivers the goods to the restaurant



How

- The order is sent by the restaurant, then after organized by the warehouse the order will be passed to the wholesaler
- While the ingredients is sent to the warehouse then delivered to the restaurant



Demo

Shopping Page

WMS

產品 購物車 訂單 會員 登入 登出



豬肉
正統台灣黑豬肉
1kg/份
NT\$700元

加入購物車



牛肉
進口美國牛Prime級
1kg/份
NT\$1000元

加入購物車



高麗菜
有機栽培安心吃
1kg/份
NT\$60元

加入購物車



空心菜
傳統好味道空心菜
1kg/份
NT\$50元

加入購物車



Shopping Cart

WMS

產品 購物車 訂單 會員 登入 登出

購物車

| 產品編號 | 品名 | 單價 | 數量 | 總價 | |
|------|-----|------|----|------|-------------------------------------|
| 1 | 豬肉 | 700 | 2 | 1400 | <input type="button" value="刪除"/> |
| 2 | 牛肉 | 1000 | 3 | 3000 | <input type="button" value="刪除"/> |
| 3 | 高麗菜 | 60 | 1 | 60 | <input type="button" value="刪除"/> |
| 4 | 空心菜 | 50 | 4 | 200 | <input type="button" value="刪除"/> |
| 合計 | | | | 4660 | <input type="button" value="全部刪除"/> |



Order Page

WMS

[產品](#) [購物車](#) [訂單](#) [會員](#) [登入](#) [登出](#)

訂單列表

| 訂單編號 | 下單日期 | 配送地址 | 到貨日期 | 訂單狀態 |
|------|---------------------|--------------|------------|------|
| 1 | 2018-01-03 20:34:28 | 新竹市千甲路61號 | 2018-01-11 | 已出貨 |
| 2 | 2018-01-03 20:37:49 | 新竹市光復路二段101號 | 2018-01-16 | 已到貨 |



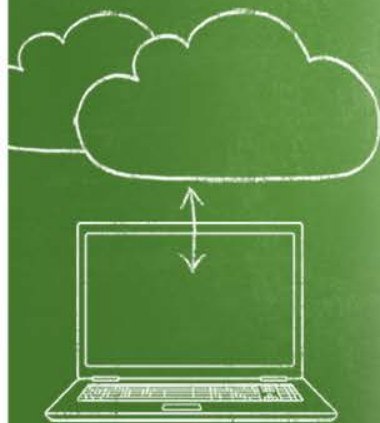
Order Page

WMS

[產品](#) [購物車](#) [訂單](#) [會員](#) [登入](#) [登出](#)

訂單列表

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| 2 | 2018-01-03 20:37:49 | 新竹市光復路二段101號 | 2018-01-16 | 已到貨 |



Member Information Revision

WMS

[產品](#) [購物車](#) [訂單](#) [會員](#) [登入](#) [登出](#)

修改資料

姓名

信箱

地址

電話

手機

帳號

密碼



Member Registration

WMS

[產品](#) [購物車](#) [訂單](#) [會員](#) [登入](#) [登出](#)

註冊會員

姓名

信箱

地址

電話

手機

帳號

密碼



Login Page

WMS

[產品](#) [購物車](#) [訂單](#) [會員](#) [登入](#) [登出](#)

登入

帳號

密碼

登入

註冊會員



Order Status

WMS

訂單狀態 地圖 產品計算 登出

修改訂單狀態

請輸入訂單編號

查詢

訂單列表

| 訂單編號 | 下單日期 | 配送地址 | 到貨日期 | 訂單狀態 | |
|------|---------------------|-----------|------------|-------|------|
| 1 | 2018-01-03 20:34:28 | 新竹市千甲路61號 | 2018-01-11 | 已出貨 ▾ | 確定修改 |



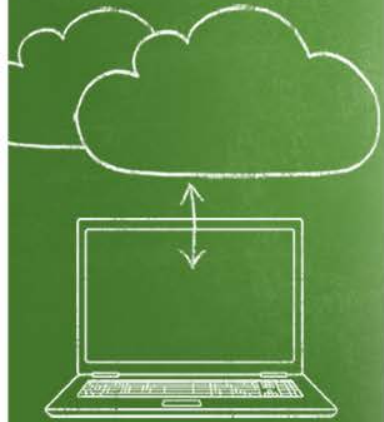
Product Total Number

WMS

[訂單狀態](#) [地圖](#) [產品計算](#) [登出](#)

產品總數量計算

| 產品名稱 | 產品數量 | |
|------|------|-----------------------------------|
| 豬肉 | 2 | <input type="button" value="確定"/> |
| 牛肉 | 2 | <input type="button" value="確定"/> |
| 高麗菜 | 5 | <input type="button" value="確定"/> |
| 空心菜 | 4 | <input type="button" value="確定"/> |

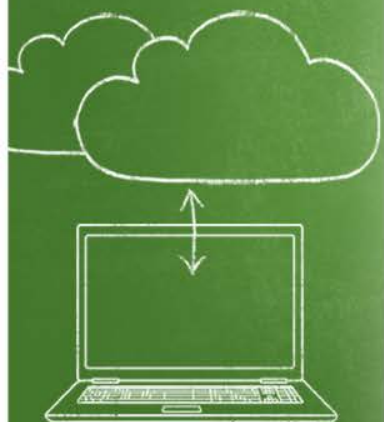


Map

WMS

訂單狀態 地圖 產品計算 登出

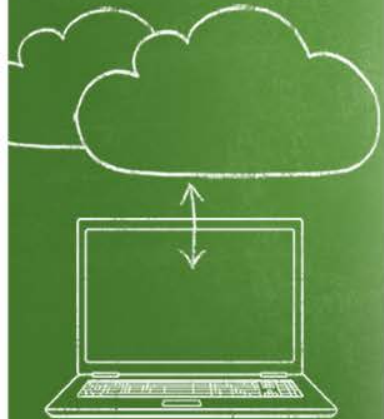
配送地圖



Future Direction

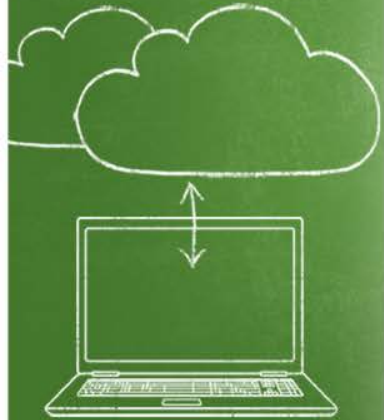
Future Direction

- The warehouse management system can have the power to bargain price
 - With economies of scale the quality and price will be more stable
- The warehouse management system can predict the total demand and reduce waste



Future Direction

- The warehouse management system can store the ID of the ingredient to make the distribution more transparent
- Then the food will be sorted into different categories so that each group has similar quality



Thank you for your listening