

# **Knowhere Restaurant POS**

Design Document

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| **Batch No:** | F2-13-1610-S1 | |  |
| **Group No:** | 04 | |  |
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**REVIEW 1**

1. Problem Definition:
   1. **Introduction:**

Knowhere Restaurant POS is an online sales management application for Knowhere Company to help companies manage chain restaurants more easily and efficiently.

* 1. **Existing Scenario:**

In order to help Knowhere Company's restaurant management to a new height, apply modern technology to simplify the work of the employees and minimize the possible mistakes in the work. This increases the productivity of the restaurant and helps to manage the restaurant chain more easily and efficiently.

1. Customer Requirements Specifications:

**2.1. Sales Staff:**

* Sale Staff can help customers book seats and order food.
* Sale Staff can manage the bills of each table and help customers pay bills
* Sale Staff can manage the store’s menu.

**2.2. Waiter:**

* Waiter can help customers book seats and order food.

**2.3. Kitchen:**

* Kitchen can view the order menu of each table, order confirmation and print the receipt.

**2.4. Administrator:**

* Administrator can manage employees and customer information
* Administrator can manage store
* Administrator can manage the products of the store
* Administrator can view and manage order information
* Administrator can view customer and product reports

1. Function Requirement Specification
   1. **Sales Staff:**

* Sales Staff can update his/her profile
* Sales Staff can view all customer
* Sales Staff can add new custemer
* Sales Staff can edit customer
* Sales Staff can delete customer
* Sales Staff can help customers book seats
* Sales Staff can help customers order food
* Sales Staff can help customers change dishes
* Sales Staff can view information of all oder
* Sales Staff can issue invoices to customers
* Sales Staff can add new product
* Sales Staff can view the store's product information
* Sales Staff can edit the store's product information
* Sales Staff can delete the store's product information
* Sales Staff can view and print store menus
* Sales Staff can set a product for sale or not for sale.
* Sales Staff can add new table and new zone
* Sales Staff can edit table and zone
* Sales Staff can delete table and zone
  1. **Waiter:**
* Waiter can update his/her profile
* Waiter can help customers book seats
* Waiter can help customers order food
* Waiter can help customers change dishes
  1. **Kitchen:**
* Kitchen can update his/her profile
* Kitchen can view the order of each table
* Kitchen can confirm the order and print the receipt
  1. **Administrator:**
* Administrator can add new account.
* Administrator can delete account.
* Administrator can view all customer
* Administrator can add new custemer
* Administrator can edit customer
* Administrator can delete customer
* Administrator can view all order.
* Administrator can add new table and new zone
* Administrator can edit table and zone
* Administrator can delete table and zone
* Administrator can add new product
* Administrator can view the store's product information
* Administrator can edit the store's product information
* Administrator can delete the store's product information
* Administrator can set a product for sale or not for sale.
* Administrator can view and print store menus
* Administrator can view reports (customers, product number) (monthly stats in the current or other years) ... etc

1. System Requirement:
2. **Hardware Requirements:**
   * AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support
   * Processor Speed minimum 1.4hz
   * 1G of RAM or higher. (4 GB **Recommended**)
   * Hard disk requirement: minimum 50GB
   * Windows 7 ultimate, or window server 2008 R2 or higher
3. **Software Requirements:**
   * SQL Server 2012 x64 bit
   * Netbean 7.4 or higher
   * JavaEE 7 SDK
   * Java Development Kit (JDK) 1.7 or higher (Recommended jdk 1.8)
   * Glassfish Server 4.0
   * Type 4-2.0 JDBC driver for SQL Server 2012 RC4
   * Internet Explorer 10 or higher

## Task Sheet 1

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| **Project Ref. No.** | | **Project Name:**  **Knowhere Restaurant POS** | **Date of Preparation of Activity Plan** | | |
| No. | Task | Description | Start  Date | Complete  Date | Team member |
| 01 | **Review 1** | Problem statement | **28 / 06 / 2018** | **07 / 07 / 2018** |  |
| 02 | Function requirement specification |

**Signature of Team leader** **Signature of Instructor**