# Project Definition

Guest: Every people which is access to this web application and haven’t register before.

Customer: Account of people which is register to this web application.

Member: Account of Customer and Admin.

Admin: Account that have permission to do application data configuration activity and view the summary report.

Member account information: Data that every account in the system must have; there are username, password, E-mail.

# URS-SRS

## Member system for the customer and the administrator

URS01: Guest can register to become a customer by filling information.

SRS01: System shall provide graphic user interface to user for input username, password, confirm password, E-mail, phone number and address.

SRS02: System shall validate username that must be 6-20 characters, a-z, A-Z, 0-9, didn’t exist in the system and not empty.

SRS02: System shall show the error message “username must be 6-20 characters, a-z, A-Z, 0-9, and didn’t exist in the system” if input username don’t be 6-20 characters, a-z, A-Z, 0-9, or already have in the system.

SRS03: System shall validate password that must be 6-20 characters, include letters, number and match with confirmed password and not empty.

SRS02: System shall show the error message “password must be 6-20 characters, a-z, A-Z, 0-9,” if input password don’t be 6-20 characters or include letters and number.

SRS04: System shall validate E-mail that must be correct email format (RFC5322), exist in system and not empty.

SRS02: System shall show the error message “email already exist or email must be correct type” if input email don’t be correct format, already exist in system and not empty.

SRS05: System shall validate phone number that must be 0-9, 10 digits number and start with 0.

SRS02: System shall show the error message “phone number must be 0-9 or number must be 10 digits or number must be start with 0” if input phone number don’t be 0-9 or 10 digits number or don’t start with 0.

SRS06: System shall validate address which are address number, village No, sub-district, district, province and postal that must be not empty.

SRS02: System shall show the error message “address must be not empty” if address don’t be input.

SRS07: System shall store username, password, E-mail, phone number and address that passed validation to be a customer account.

URS02: Member can login to the system by using username and password.

SRS07: System shall provide user interface for receive username and password form the user.

SRS08: System shall make checking form input username and password for login to the system.

SRS09: System shell show error message “invalid username or password” if username and password doesn’t correct.

URS03: Member can edit his own account information.

SRS09: System shall provide user interface for edit Member account information which are input username, password, E-mail, phone number and address.

SRS10: System shall store updated information

URS04: Member can view his own account information.

SRS08: System shall provide user interface that show username, email, phone number and address of that member account.

URS05: Member can change his own password

SRS10: System shall provide user interface to send forgot password request to the system.

SRS11: System shall send the email to the user email that system get forgot password request that contain URL to make change for password.

SRS12: System shall update new password in database.

URS06: Member can logout to the system.

SRS13: System shall provide user interface to request to logout form the system.

SRS13: System shall logout for user.

URS07: Admin can edit member account information

SRS14: System shall provide user interface for show list of member account.

URS08: Admin can delete member account.

SRS15: System shall provide user interface for delete Member account information.

SRS16: System can be delete a Member form database.

## Purchase system

URS09: everybody can see list of products.

SRS17: System shall provide user interface that show the list of product.

URS010: member can make order by select product on the product list.

SRS18: System shall provide user interface for member to select product form the list of product and product detail which are product name, product price, product image and product description.

SRS19: system shall provide user interface that show selected product.

SRS19: System shall provide user interface for receive amount of selected product and donate.

SRS20: System shall validate amount of selected product that must be integer.

SRS21: System Shall Validate donate that must be integer.

SRS20: System shall provide total price form selected product.

SRS24: System shall provide user interface for make order.

SRS25: System shall provide order detail which are product selected list, member username, order tag, member address and phone number that user can edit before confirm.

SRS26: System shall store order detail which are list of product, member id, time stamp, order status and update address and phone number.

URS11: member can make payment by using PayPal.

SRS27: System shall provide user interface for make payment for each order that will use PayPal service.

URS12: member can view Ordering history.

SRS28: System shall provide user interface that show order list of that member account with order detail are order time, order status, product list, total price and amount of each product.

## Inventory management

URS13: admin can add new product to the inventory.

SRS29: System shall provide user interface for receive input form admin account which are name of product, price of product, product description, product tag and product active status.

SRS31: System shall validate product name that must be A-Z, a-z and 0-9.

SRS31: System shall validate product price that must be integer.

SRS31: System shall validate product description that must no longer than 255 character.

SRS31: System shall validate amount of product that must integer and not empty.

SRS30: System shall store new product data.

URS14: admin can add new product lot to the inventory.

SRS31: System shall provide user interface for admit to add new product lot that have to input expired date and amount of product.

SRS31: System shall validate expired date.

SRS31: System shall validate amount of product.

SRS31: System shall store lot of product.

URS15: admin can edit product lot information.

URS15: admin can edit product information.

SRS32: System shall provide user interface for admin account to edit product information in product list.

SRS33: System shall update product information.

URS16: admin can delete product in inventory.

SRS34: System shall provide user interface for admin account for delete product.

SRS35: System shall change product active status.

URS17: admin can view inventory report.

SRS36: System shall provide user interface for admin that show table of product id, product name, amount of product, product price, total price of each product,

## Delivery management

URS18: admin can view order that occur in the same week.

URS19: admin can view order that occur in the same location.

URS20: Member can view status of product shipping.

# Use case diagram

# Class diagram

# Construction plan

# Sequence diagram

# The method design

# The traceability matrix

# Unit Test case

# Acceptance test

# User manual