**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.**

**SRS-01**: System shall provide user interface to user for input username, password, confirm password, E-mail, phone number and address.

**SRS-02**: 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.

**SRS-03**: System shall show the warning 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.

**SRS-04**: System shall validate password that must be 6-20 characters, include letters, number and match with confirmed password and not empty.

**SRS-05**: System shall show the warning 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.

**SRS-06**: System shall validate E-mail that must be correct email format (RFC5322), exist in system and not empty.

**SRS-07**: System shall show the warning 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.

**SRS-08**: System shall validate phone number that must be 0-9, 10 digits number and start with 0.

**SRS-09**: System shall show the warning 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.

**SRS-10**: System shall validate address which are address number, village No, sub-district, district, province and postal that must be not empty.

**SRS-11**: System shall show the error message “address must be not empty” if address don’t be input.

**SRS-12**: 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.**

**SRS-13**: System shall provide user interface for receive username and password form the user.

**SRS-14**: System shall make checking form input username and password for login to the system.

**SRS-15**: System shell show error message “invalid username or password” if username and password doesn’t correct.

**URS03: Member can edit his own account information.**

**SRS-16**: System shall provide user interface for edit Member account information which are input username, password, E-mail, phone number and address.

**SRS-17**: System shall store updated information

**URS04: Member can view his own account information.**

**SRS-18**: System shall provide user interface that show username, email, phone number and address of that member account.

**URS05: Member can change his own password**

**SRS-19**: System shall provide user interface to send forgot password request to the system.

**SRS-20**: System shall send the email to the user email that system get forgot password request that contain URL to make change for password.

**SRS-21**: System shall update new password in database.

**URS06: Member can logout to the system.**

**SRS-22**: System shall provide user interface to request to logout form the system.

**SRS-23**: System shall logout for user.

**URS07: Admin can edit member account information**

**SRS-24**: System shall provide user interface for show list of member account.

**URS08: Admin can delete member account.**

**SRS-25**: System shall provide user interface for delete Member account information.

**SRS-26**: System can be delete a Member form database.

**Purchase system**

**URS09: everybody can see list of products.**

**SRS-27**: System shall provide user interface that show the list of product.

**URS10: member can make order by select product on the product list.**

**SRS-28**: 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.

**SRS-29**: system shall provide user interface that show selected product.

**SRS-30**: System shall provide user interface for receive amount of selected product and donate.

**SRS-31**: System shall validate amount of selected product that must be integer.

**SRS-32**: System Shall Validate donate that must be integer.

**SRS-33**: System shall provide total price form selected product.

**SRS-34**: System shall provide user interface for make order.

**SRS-35**: 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.

**SRS-36**: 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.**

**SRS-37**: System shall provide user interface for make payment for each order that will use PayPal service.

**URS12: member can view Ordering history.**

**SRS-38**: 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.**

**SRS-39**: 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.

**SRS-40**: System shall validate product name that must be A-Z, a-z and 0-9.

**SRS-41**: System shall validate product price that must be integer.

**SRS-42**: System shall validate product description that must no longer than 255 character.

**SRS-43**: System shall validate amount of product that must integer and not empty.

**SRS-44**: System shall store new product data.

**URS14: admin can add new lot of product.**

**SRS-45**: System shall provide user interface for admit to input expired date and amount of product.

**SRS-46**: System shall validate expired date must be date format.

**SRS-47**: System shall validate amount of product that must be interger.

**SRS-48**: System shall store lot of product.

**URS15: admin can edit lot of product.**

**SRS-49**: System shall provide user interface for show lot of product.

**SRS-50**: System shall update lot of product form input expired date and amount of product.

**URS16: Admin can delete lot of product.**

**SRS-51**: System shall delete lot of product that selected form the system.

**URS15: admin can edit product information.**

**SRS-52**: System shall provide user interface for admin account to edit product information in product list.

**SRS-53**: System shall update product information.

**URS16: admin can delete product in inventory.**

**SRS-54**: System shall provide user interface for admin account for delete product.

**SRS-55**: System shall delete product and its lot.

**URS17: admin can view inventory report.**

**SRS-56**: 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**

**URS17: admin can change status order.**

**SRS-57**: System shall provide user interface for admin for change order status by select order status which are waiting for payment, paid, transferring, cancel and close.

**SRS-58**: System shall decrease amount of product in lot when order status change to paid.

**URS18: admin can view order.**

**SRS-59**: System shall provide user interface that show all of order in the list.

**SRS-60**: System shall can show all order that occur in the same day that select.

**SRS-61**: System shall can show all order that occur in the same month that select.

**URS20: Member his own order.**

**SRS-62**: System shall provide user interface for member that show owner order

**Use case diagram**

**Class diagram**

**Construction plan**

**Sequence diagram**

**The method design**

**The traceability matrix**

**Unit Test case**

**Acceptance test**

**User manual**