**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, E-mail,phone number and address.

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

**SRS03**: 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.

**SRS04**: System shall validate password that must be 6-20 characters, include letters and number and match with confirmed password.

**SRS05**: 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.

**SRS06**: System shall validate E-mail that must be correct email format (RFC5322)

**SRS07**: System shall show the error message “email already exist or email must be correct type” if input email don’t be correct format or already exist in system.

**SRS08**: System shall validate phone number that must be 0-9, 10 digits number and start with 0.

**SRS09**: 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.

**SRS10**: System shall validate address that must be not empty.

**SRS11**: System shall show the error message “address must be not empty” if address don’t be input.

**SRS12**: System shall store username, password, E-mail, phone number and address that passed validation.

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

**SRS13**: System shall provide user interface for receive username and password form the user.

**SRS14**: System shall make checking form input username and password for login to the system.

**SRS15**: System shell show error message “invalid username or password” if username and password doesn’t correct.

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

**SRS16**: System shall provide user interface for edit Member account information which are input username, password, E-mail, phone number and address.

**SRS17**: System shall store updated information

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

**SRS18**: System shall provide user interface that show username, email, phone number and address of that member account.

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

**SRS19**: System shall provide user interface to send forgot password request to the system.

**SRS20**: System shall send the email to the user email that system get forgot password request that contain URL to make change for password.

**SRS21**: System shall update new password in database.

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

**SRS22**: System shall provide user interface to request to logout form the system

URS07: Admin can edit member account information

**SRS23**: System shall provide user interface for show list of member account.

URS08: Admin can delete member account.

**SRS24**: System shall provide user interface for delete Member account information.

**SRS25**: System can be delete a Member form database.

**Purchase system**

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

**SRS26**: System shall provide user interface that show the list of product.

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

**SRS27**: 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.

**SRS28**: system shall provide user interface that show selected product.

**SRS29**: System shall provide user interface for receive amount of selected product and donate.

**SRS30**: System shall validate amount of selected product that must be integer.

**SRS31**: System Shall Validate donate that must be integer.

**SRS32**: System shall provide total price form selected product.

**SRS33**: System shall provide user interface for make order.

**SRS34**: 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.

**SRS35**: 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.**

**SRS36**: System shall provide user interface for make payment after confirm an order that will link to PayPal.

**SRS37**: System shall provide user interface for make payment on the order list that will link to PayPal.

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

**SRS38**: 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.**

**URS14: admin can edit product information.**

**URS15: admin can delete product in inventory.**

**URS16: admin can view inventory report.**

**Delivery management**

**URS17: admin can view order that occur in the same week.**

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

**URS19: 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**