## Definition

* Guest - unregistered user.
* User - registered user of the system who able to buy products in the system.
* Admin - administrator who can manage the system.
* Product - item that the system want to sell
* Omise - payment gateway for Southeast Asia, based in Thailand, providing a secure and white label solution to merchants and enterprise businesses.
* Paypal - payment gateway
* Kerry Express - logistic parcel delivery service
* Tracking code - tracking code of logistic parcel delivery service that provide us after we posted a parcel.
* Activate token - a random code that send to user’s email for activating their account.

## User Requirement Specification

### Guest

* Urs-01: Guest can register to the system

### Admin

* Urs-02: Admin can login to the system by using their email and password.
* Urs-03: Admin can log out from the system.
* Urs-04: Admin can add new product to the system
* Urs-05: Admin can edit product in the system
* Urs-06: Admin can remove product in the system
* Urs-07: Admin can view statistics record of sale
* Urs-08: Admin can view trend of products (forecast) in quarter
* Urs-09:Admin can view products in the inventory
* Urs-10: Admin can view user’s account
* Urs-11: Admin can delete user’s account
* Urs-12: Admin can search user’s account
* Urs-13:Admin can view pending shipping product.
* Urs-14: Admin can add the tracking code of order

### Users

* + Urs-15: Users can login to the system by using their email and password.
  + Urs-16: Users can logout from the system.
  + Urs-17: Users can activate their account by using activate token
  + Urs-18: Users can edit their profile
  + Urs-19: Users can reset their password
  + Urs-20: Users can view product
  + Urs-21: Users can put product into shopping cart.
  + Urs-22: Users can view their shopping cart.
  + Urs-23: Users can edit amount of product in shopping cart
  + Urs-24: Users can view total cost of products and delivery charge
  + Urs-25: Users can select delivery address before click purchase
  + Urs-26: Users can select payment gateway before click purchase
  + Urs-27: Users can view order tracking code after admin has added the code.
  + Urs-28: Users can search product in the system

## User Requirement Specification with System Requirement Specification

* Urs-01: Guest can register to the system
  + Srs-01: The system shall provide registration UI to register to be a member
  + Srs-02: The system shall check all input required.
  + Srs-03: The system shall stores the Guest data as new User
  + Srs-04: The system shall send the activate token to user’s email.
* Urs-02: Admin can login to the system by using their email and password.
* Srs-05: The system shall provide UI to log in.
* Srs-06: The system shall authenticate user/admin
* Srs-07: The system shall authorize user/admin
* Urs-03: Admin can log out from the system
  + Srs-08: The system shall provide UI to logout.
  + Srs-09: The system shall unauthenticated user/admin
* Urs-04: Admin can add new product to the system
  + Srs-10: The system shall provide add product UI to add new product.
  + Srs-11: The system shall create a sub directory for product.
  + Srs-12: The system shall upload image to directory.
  + Srs-13: The system shall get file path.
  + Srs-14: The system shall check all input required.
  + Srs-15: The system shall record new product into database.
* Urs-05: Admin can edit product in the system
  + Srs-16: The system shall provide edit promotion user interface to edit product.
  + Srs-14: The system shall check all input required.
  + Srs-15: The system shall record new product into database.
* Urs-06: Admin can remove product in the system
  + Srs-17: The system shall provide UI to remove product
  + Srs-18: The system shall remove image in directory
  + Srs-19: The system shall check there is no image in directory
  + Srs-20: The system shall remove directory
  + Srs-21: The system shall remove image path in database
  + Srs-22: The system shall update UI
* Urs-07: Admin can view statistics record of sale
  + Srs-23: The system shall provide the UI of statistics records of sales
  + Srs-24: The system shall receive selected range of records by day, week, month or year from user
  + Srs-25: The system shall query records of sales from the system storage
  + Srs-26: The system shall filter queried records
  + Srs-27: The system shall show result of queried items from system storage
* Urs-08: Admin can view trend of products (forecast) in quarter
  + Srs-28: The system shall provide the UI that consists of trend of products (forecast) in quarter
  + Srs-29: The system shall computes the trend of product in quarter
  + Srs-30: The system shall display the trend of product
* Urs-09:Admin can view products in the inventory
  + Srs-31: The system shall get data from database
  + Srs-32: The system shall provide UI to show product list
* Urs-10: Admin can view user’s account
  + Srs-31: The system shall get data from database
  + Srs-33: The system shall provide UI to show user account
* Urs-11: Admin can delete user’s account
  + Srs-34: The system shall provide user interface to delete user
  + Srs-18: The system shall remove image in directory.
  + Srs-19: The system shall check there is no image in directory
  + Srs-20: The system shall remove directory
  + Srs-21: The system shall remove image path in database.
  + Srs-22: The system shall update UI
* Urs-12: Admin can search user’s account
  + Srs-34: The system shall find account in database
  + Srs-35: The system shall return account list
  + Srs-36: The system shall provide user interface to show account list
* Urs-13:Admin can view pending shipping product.
  + Srs-31: The system shall get data from database
  + Srs-37: The system shall provide UI to show pending shopping product list
* Urs-14: Admin can add the tracking code of order
  + Srs-38: The system shall provide add tracking code UI to add new code of tracking order
  + Srs-39: The system shall create a sub directory for tracking code.
  + Srs-40: The system shall check all input required.
  + Srs-41: The system shall record new tracking code into database.
  + Srs-42: The system shall send the tracking code to user’s email