**Software Requirement Specification**

# **Functional Requirement**

SRS.1-0-1: System shall store the picture file formats, which are “JPG/JPEG” and/or “PNG” file format into the system.

SRS.1-0-2: System shall capable to display the stored picture file format from the System, for any User types.

SRS.1-0-3: System shall display message “No picture file is uploaded” to the any user types.

SRS.1-1-1: System shall provide Registration Interface, including the username, password, email address, name, address, customer picture for the Customer to register to the system.

SRS.1-1-2: System can store the Customer information, into the system after the Customer submitted his/her register information from Registration Interface.

SRS.1-1-3: System can display “Registration Successful” message to the newly registered Customer, in Product Catalog Interface.

SRS.1-1-4: System shall validate the format of the Customer information, after the Customer submitted his/her information from Registration Interface.

SRS.1-1-5: System can display “The name must be only 4-10 alphabet characters” message to the user

SRS.1-1-6: System can display “The password must be only 4-10 characters” message to the user

SRS.1-1-7: System can display “The name must be the combination of alphabet and space only” message to the user

SRS.1-1-8: System shall validate the duplication of the username, after the Customer submitted his/her information from Registration Interface.

SRS.1-1-9: System can display “Existing Username, please using different Username” message to the user, on Registration Interface.

SRS.1-2-1: System shall provide Customer Authentication interface for the user to log in as Customer.

SRS.1-2-2: System can fetch the Customer information to validate the correctness of the information in Customer Authentication Interface.

SRS.1-2-3: System can display “Invalid Username and/or Password” message to the user, on Customer Authentication Interface.

SRS.1-3-1: System shall provide Administrator Authentication interface for the user to log in as Administrator.

SRS.1-3-2: System can fetch the Administrator information to validate the correctness of the information in Administrator Authentication Interface.

SRS.1-3-3: System can display “Invalid Username and/or Password” message to the user, on Administrator Authentication Interface.

SRS.1-4-1: System shall display the Customer Basic Information section, including his/her display picture, on the top right of the every customer interface, after the customer has been logged in.

SRS.1-4-2: System can fetch the Customer information to display those information in Customer Basic Information section.

SRS.1-5-1: System shall provide Edit Customer Information Interface, for the customer to edit his/her own information after the customer has been logged in.

SRS.1-5-2: System can fetch the Customer information to display it in Edit Customer Information Interface.

SRS.1-5-3: System can save the Customer information to the system, after the Customer save the edited Customer information from Customer Information Interface.

SRS.1-6-1: System shall provide Add a New Product Interface, including the product name, product description, product price and product pictures, for the Administrator to add the new product into the system.

SRS.1-6-2: System can store the Product information, into the system after the Administrator submitted his/her register information from Add a New Product Interface.

SRS.1-7-1: System shall display the Product Catalog Interface for the Customer, after the Customer has been logged in, or Customer registration is successful.

SRS.1-7-2: System shall display the Product Catalog Interface for the Administrator.

SRS.1-7-3: System can fetch the Product information to display it in Product Catalog Interface.

SRS.1-8-1: System shall display the Product Search section, on Product Catalog Interface and Product Search Result Interface for the Customer to search the product by the keyword.

SRS.1-8-2: System shall capable to search the Product information, which is Product name, for matching keyword that the Customer submitted from the Product Search section.

SRS.1-9-1: System shall display the Product Search Result Interface for the Customer, after the Customer has submitted the form in Product Search section.

SRS.1-9-2: System can fetch the Product information, which matching with the Customer search result, to display it in Product Search Result Interface.

SRS.1-9-3: System shall validate the number of the matching result with the keyword.

SRS.1-9-4: System can display “No search result, please try again” message to the Customer, on Product Search Result Interface.

SRS.1-10-1: System shall display Add to Cart section, including the product quantity, for each Product, in Product Catalog Interface and Product Search Result Interface.

SRS.1-10-2: System shall validate the format of the Product quantity in Add to Cart section.

SRS.1-10-3: System shall store the Shopping Cart, which use for storing Shopping Item, for each Customer into the system, after the Customer submitted the form in Add to Cart section on each Product. If that Customer have active Shopping Cart in the database.

SRS.1-10-4: System shall create the new Shopping Cart to store Shopping Item, for each Customer into the system, after the Customer submitted the form in Add to Cart section. If that Customer don’t have active Shopping Cart in the database.

SRS.1-10-5: System shall store the Shopping List, which use for storing information of each Shopping Item that is Product Name, Product Description, Product Price, Quantity and Total Price of each Product. After the Customer submitted the form in Add to Cart section. If that Customer have active Shopping Cart in the database.

SRS.1-10-6: System shall create the Shopping List to store information of each Shopping Item that is Product Name, Product Description, Product Price, Quantity and Total Price of each Product. After the Customer submitted the form in Add to Cart section. If that Customer don’t have active Shopping Cart in the database.

SRS.1-11-1: System shall display the Checkout Interface, including the information in Shopping Cart, Total Price of All Products in Shopping Cart Payment Method and Payment Customer, for the Customer.

SRS.1-11-2: System shall store the information from the Checkout Interface, as Buying Transaction, after the Customer submitted the information from the Checkout Interface.

SRS.1-11-3: System shall mark the Shopping Cart as archived and inactive Shopping Cart, once the Customer submitted the information from the Checkout Interface.

SRS.1-12-1: System shall display Customer Shopping History Interface, for the Customer to view his/her Buying Transaction, as Shopping History.

SRS.1-12-2: System can fetch the Buying Transaction from the system by Customer information, to display it in Customer Shopping History Interface.

SRS.1-12-3: System shall validate the number of the Buying Transaction of each Customer.

SRS.1-12-4: System can display “No shopping history was found” message to the Customer, on Customer Shopping History Interface.

SRS.1-13-1: System shall display the History Shopping List Interface, for the Customer to view his/her Shopping List in his/her Shopping Cart in Shopping History.

SRS.1-13-2: System can fetch the Shopping List from his/her Shopping Cart of Customer.

SRS.1-14-1: System shall display Administrator Shopping History Interface, for the Administrator to view all customer Buying Transaction, as Shopping History.

SRS.1-14-2: System can fetch all of the Buying Transaction from the system, to display it in Administrator Shopping History Interface.

SRS.1-14-3: System shall validate the number of the Buying Transaction of all Customers.

SRS.1-14-4: System can display “No shopping history was found” message to the Administrator, on Administrator Shopping History Interface.

SRS.1-15-1: System shall have the Payment History interface to display the Payment Information, that is Payment Status, Payment Number, Shopping Cart ID, Created Date and Checked out Date for Administrator.

SRS.1-16-1: System shall have the Payment Detail interface for Administrator to edit each Payment History from the Payment History interface that is Payment Status, Payment Number, Shopping Cart ID, Created Date and Checked out Date for Administrator.

SRS.1-17-1: System shall provide Edit Product Information Interface, for Administrator to edit the product information after Administrator has been logged in.

SRS.1-17-2: System can fetch the product information to display it in Edit Product Information Interface.

SRS.1-17-3: System can save the Product information to the system, after the Administrator save the edited Product information from Product Information Interface.

SRS.1-18-1: System shall display the History Shopping List Interface, for the Administrator to view Customer Shopping List in Customer Shopping Cart in Shopping History.

SRS.1-18-2: System can fetch the Shopping List from Customer Shopping Cart for Administrator.

# **Non-Functional Requirement**

SRS.2-1: System shall use American English as the main interface language.

SRS.2-2: System shall use Thai Baht as the main currency.