Group01-SQAtut04

**Software Requirements Description  
 for**

**Project: Ecommerce Website (FourSeasons Shop)**

# **I. INTRODUCTION**

This section gives a scope description and overview of everything included in this Requirement Description document. Also, the purpose for this document is aimed to describe the overall scenario and UI for each feature of the website.

## **I.1. Purpose**

The purpose of the Requirements Description is to outline the detailed requirements for the e-commerce website, named F, as well as to describe the project's target audience, its user interface and functionality. This document is primarily intended to be proposed to a customer for its approval and a reference for developing the first version of the system for the development team.

## **I.2. Project Scope**

The scope pertains to the website features as well as focuses on the stakeholders, which allow for online sales, distribution and marketing of products.

# **II. DISCUSSION OF FINDINGS**

The <…> is a set of desktop software programs with Graphical User Interface (GUI). The two main programs are:

* Customer Front-end: for customers to create their account, view products’ details and purchase products.
* Admin Back-end: for admin(s) to manage customer accounts, manage products and manage customer orders, as well as revenue reports.

## **II.1. Overall requirements**

The website should contain the following features:

### **II.1.1. Actor: Customer**

***a. Home page:*** This section provides customers with a broad overview of the website: typical products, functionalities or navigation to other pages on the site by providing their links.

***b. Account:*** This section allows the users to create a new account or login the private account as a customer.

***c. Cart:*** In this section, customers can see all the products, which they added to cart. They also can delete a product from cart or proceed the order step.

***d. Products:***This section provides customers with the entire products (including name, price and image) that the website currently has, divided into different categories.

***e. Search:*** In this feature, customers can easily find the items they want to view and purchase.

***f. News:*** Customers can view news, articles about current fashion trends through this section.

***g. About us:*** The main purpose of this section is to give visitors a glimpse of this e-commerce website, as well as to display contact information about it.

### **II.1.2. Actor: Administrator**

***a. Account:*** This section allows the users to login the private account as an administrator.

***b. Admin Page:*** This section (1) displays the website statistics, such as: number of orders, number of registered users, revenue, etc. (2) Moreover, the administrator can also switch to the website as a customer to get an overview of the website's interface.

***c. Sidebar Menu:*** This section provides administrators with a list of website management functions with basic operations (preview, add, edit, delete):

* User management
* Product Management
* Article management
* Tag management
* Category management
* Banner management
* Voucher management
* Address management

## **II.2. Detailed Requirements**

### **II.2.1. Actor: Customer**

***a. Home page:*** There are 2 main parts displayed in this page: list of typical products and main functionalities of the website.

* List of typical products: This part will be presented in the middle of the Home Page. (1) Some products are organized by different categories with preview information, including: name, price and image. Below each product, customers can immediately choose the "Add to cart" button or view detailed information by clicking on that product.

(2) When any product is selected, the system will navigate to another page with detailed information about that product: description, color, size, quantity, etc. They can choose the color and size, and then add them to their cart by clicking the "Add to cart" button.

* Main functionalities: Account (registration, login), cart, search and others are allocated to different positions of the website.

***b. Account:***This functionality is performed when the user moves the mouse pointer to the "Account" button located on the top of the right column of Home Page.

**(1)** Scenario 1: If the visitor is not logged in, a drop-down menu can be appeared with two extra buttons: Login and Register.

* If the customers click the Login function, the system will navigate to another page with a login form which contains 2 fields: email and password. They fill in the form with their account and choose to save their login information for the next time by ticking the box "Remember Password". After that they can click the Login button to redirect to the website. If the email address or password is wrong, the system will prevent customers from signing in and display a warning message that requires customers to enter again.

On the other hand, customers can redirect from the login page to the registration page by clicking the "Register for a new account immediately" button, which is sited at the bottom of the form.

* If the customers do not have any account, they should click the “Register” button. The system will navigate to another page with a register form, which requires the customer to enter the necessary information (full name, email, password and confirm password). After entering all information and ticking the box “I agree to the terms”, customers click the “Register” button. If all information is valid, the system will create a new account in the database and navigate to Home Page as this account. In some cases (email is duplicated or password and confirm password does not match), the system shows a warning and prevents adding an account.

On the other hand, if the customer already has an account, they can click the button "Already have an account" at the bottom of the form to redirect to the Login page.

**(2)** Scenario 2: If the customer logged in, a drop-down menu can be appeared with two extra buttons: Account Details and Logout.

* “Account Details” function allows customers to review their purchase history at another website.
* If the customers choose the “Logout” button, the system will log out of their account and return to the website as a visitor.

***c. Cart:***

**(1)** Scenario 1:If the customers click the “Cart” button (below the “Account” button), the entire product will emerge as a drop-down menu. They can easily delete any product with the corresponding "Delete" button.

**(2)** Scenario 2: If they click the "View cart" button, the shopping cart page will be redirected. There are 2 main parts: list of products and Proceed to Order.

* List of products: The entire products added by customers will be displayed with their names, images, attributes, quantity and price. In the right corner of this list, the system will calculate and announce the total price of all products in the cart.
* Check out: When the customers click the "Proceed to order" button at the right corner, the system will take to the checkout page. There is an order form which requires customers to fill some information: Full Name, Phone Number, Email and Address. They can select the payment method: Cash on delivery or Payment via bank transfer, then enter a discount code (if applicable). Customers will receive an email about their order after clicking the "Order Confirmation" button.

***d. Products:*** The entire products are divided into different categories. Each product is shown with preview information, including: name, price and image. Below each product, customers can immediately choose the "Add to cart" button or view detailed information by clicking on that product.

When customers click on a product, the system will take customers to this page which shows more detailed information: name, images, price, description, color, size, quantity, etc. Customers can choose the characteristics and quantity of product and add them to the shopping cart by clicking the “Add to cart” button.

***e. Search:*** The “Search” field is located in the middle part of Home Page, just below the Top Navigation bar. This section lets customers search for the products by entering the keywords related to them. After that, customers click the icon "Search", the system will run the query and announce the number of matching search results. If there are products that match the keywords, they will be displayed on the website.

***f. News:*** Customers can view a series of articles and news about current fashion trends. If they are interested in any one, they should click the "Read more" button to be redirected to the page containing that article.

***g.******About us:*** This section provides customers with necessary information about the website: contact methods, operating policies, social networking sites.

### **II.2.2. Actor: Administrator**

***a. Account:*** This functionality is performed when the admins move the mouse pointer to the "Account" button located on the top of the right column of Home Page. They should click the “Login” button and the system will navigate to another page with a login form which contains 2 fields: email and password. They fill in the form with their administrator accounts and choose to save their login information for the next time by ticking the box "Remember Password". After that they can click the Login button to redirect to the Admin Page. If the email address or password is wrong, the system will prevent customers from signing in and display a warning message that requires customers to enter again.

***b. Admin Page:*** (1) Admin page provides the administrator an overview of the website statistics through charts: number of orders, number of registered users, revenue and processed orders. (2) Moreover, the navigation bar at the top of this page allows the admin to switch between the customer’s home page and the Admin page as well as to log out of the admin account.

***c.* Sidebar Menu:** This section, placed on the left side of Admin page, provides administrators a list of website management functions: (1) User management, (2) Product management, (3) Article management, (4) Tag management, (5) Category management, (6) Banner management, (7) Voucher management, (8) Address management.

With each function, the system will navigate to another corresponding page. Each page will consist of a table of items with detailed information and basic operations:

* Admin can add items by choosing the “Add a new product” button above the table of items. After entering valid information for them, he/she can click the “Add” button. The database will create a new product.
* Admin can update an item by choosing the “Edit” icon in the “Action” column that corresponds to this item. After entering valid information for them, he/she can click the “Update” button. The system will run the appropriate query and update the database again.
* Admin can delete an item by choosing the “Delete” icon in the “Action” column that corresponds to this item. The system will display an alert dialog, which lets him/her to reconfirm the removal request. Admin selects “Cancel” to cancel the request, otherwise, chooses “OK” to complete the process of removing the item.