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| **Software Requirement Specification** |

###### **Topic: Online Retail Application**

###### **Swim Wear a E-Commerce online Shopping**

###### **A Web Application**

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[Introduction](http://www.enteract.com/~bradapp/docs/sdd.html#TOC_SEC4)

This document is designed to specify the overall system requirements that will govern the development and implementation of the system. The document will also establish the system requirements, user requirements, as well as, functional and non-functional requirement and stakeholders.

Requirement Engineering

Swim Wear a E-Commerce online Shopping

1/ Stakeholders

Administrator ,Guest, customer, shop manager, shop staff, cashier, shipper.

2/ System requirements

Swim Wear a E-Commerce online Shopping is a website that provides the products (swimwear) for customers to go shopping online and also help the administrators to easily manage the customers and their products (swimwear) in a shop by using this admin system.

1. The system shall be implemented as a client-server system with the information of product, customer, bank account held on a server maintained by a Swim Wear shop authority.
2. Client access to the system shall be provided through a standard web browser. In keeping with the E-Commerce online Shopping authorities policy of using open-source software wherever possible, the Firefox web browser shall be the standard browser that is supported.
3. The user interface to the system shall be an interactive forms-based interface.
4. All user selections shall be interacted with the system.
5. All user inputs shall be validated according to validation rules to be established when the system user interface is designed. If an input is invalid, the user shall be informed why it has been rejected by the system.

3/ User requirements

3.1 Guest requirements:

The guests can access the website in guest mode, they can view the information of shop, the information of products (swimwear) and also search some products to view. Moreover, the guests can register to have an account and become a customer.

1. The system shall provide list of products (swimwear) inside each category.
2. The system shall include a search feature that allows users to discover the swim wears in shop. Search may be based on name, category, type, brand, price and discount of each swim wear.
3. The system shall generate the account each time the guest register successfully.

3.2 Customer requirements:

Customers can access the website in customer mode directly when they logged into the system by their account, they can view the information of shop, the information of products (swimwear) and also search some products to view. In addition, the customers can order products to their shopping cart, manage their shopping cart, manage their profile, pay for the bill to receive the products (swimwear), and also view their transaction.

1. The system shall provide list of products (swimwear) inside each category.
2. The system shall include a search feature that allows users to discover the swim wears in shop. Search may be based on name, category, type, brand, price and discount of each swim wear.
3. The system shall add some features such as edit profile, shopping cart, payment and transaction whenever the guest have an account and login to the system.
4. The system shall combine the same products that customer add to their shopping cart and also calculate the new quantities and the total cost of shopping cart.
5. The system shall generate the bill when customer pay for their orders. The information of the bill includes products, quantities, total payment, created date.
6. The system shall generate the created date when any payment of customer is successful and this date will be displayed when customers view their transactions.

3.3 Administrator requirements

Administrators use the system directly when they logged into the system. They can also edit their profile. They can also manage the customer accounts, view customer’s transaction and update products (swimwear) to the shop.

1. The system shall allow the administrators to add new products (swimwear) to the database system and update the products information or delete some products if necessary.
2. The system shall allow the administrators access any information of a customer and all the transaction of this customer.
3. To easily manage and update the products, system shall provide a ‘select all’, ‘deselect’ and ‘delete selected’ button, administrators can delete many products at one time.

4/ Functional requirements

4.1. The system *shall* generate a summary of the drugs prescribed, their cost, and the prescribing clinics.

* 1. A report *shall* be created for each clinic and *shall* list the individual drug names, the total number of prescriptions, the number of doses prescribed, and the total cost of the prescribed drugs.

Other examples

* A user *shall* be able to search the appointments lists for all clinics.
* The system *shall* generate each day, for each clinic, a list of patients who are expected to attend appointments that day.
* Each staff member using the system *shall* be uniquely identified by his or her 8-digit employee number.

5/ Non-functional requirements

**Product requirements**

1. The system *shall* automatically generate the report for printing after 17.30 on the last working day of the month.
2. If drugs are available in different dose units (e.g., 10 mg, 20 mg) separate reports *shall* be created for each dose unit.

**Organizational requirements**

1. Access to all cost reports *shall* be restricted to authorized users listed on a management access control list.

Other examples

**Product requirements**

The Mentcare system *shall* be available to all clinics during *normal working hours* (Mon–Fri, 0830–17.30). Downtime within normal working hours *shall* not exceed *five seconds* in any one day.

**Organizational requirements**

Users of the Mentcare system *shall* authenticate themselves using their health *authority identity card*.

**External requirements**

The system *shall* implement *patient privacy provisions* as set out in HStan-03-2006-priv.

### **Reference**

* Team Discussion
* Vision & Scope
* Project Plan
* Requirements Engineering of The Mentcare system