**Software Requirement Specification**

**for**

**Online Pet Shop**

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1. Introduction

1.1 Purpose

Defining and describing the functions and specifications of the Online Pet Shop (OPS) is the primary goal of this Software Requirements Specification (SRS). This Software Requirements Specification illustrates, in clear terms, the system’s primary uses and required functionality.

1.2 Scope

This system allows the customers to maintain their cart for add or remove the product over the internet.

1.3 Definitions

OPS- Online Pet Shop

SRS- Software Requirement Specification

GUI- Graphical User Interface

Stockholder- The person who will participate in system

Ex. User, Administrator, Customer

1.4. Overview

The rest of this document contains the overall description of the Online Pet Shop system and the specific requirements for the system.

2. Overall Description

The Online Pet Shop (OPS) application enables vendors to set up online shops, customers to browse through the shops, and a system administrator to approve and reject requests for new shops and maintain lists of shop categories. Also the developer is designing an online shopping site to manage the items in the shop and also help customers purchase them online without having to visit the shop physically.The online shopping system will use the internet as the sole method for selling goods to its consumers.

3. Graphical User Interface ( GIU )

3.1. Log In Page

SIGN IN

Contact us

**ONLINE PET SHOP**

SERCH BAR

BASKET

PRODUCTS FOR DOGS

PRODUCTS FOR CATS

PRODUCTS FOR BIRDS

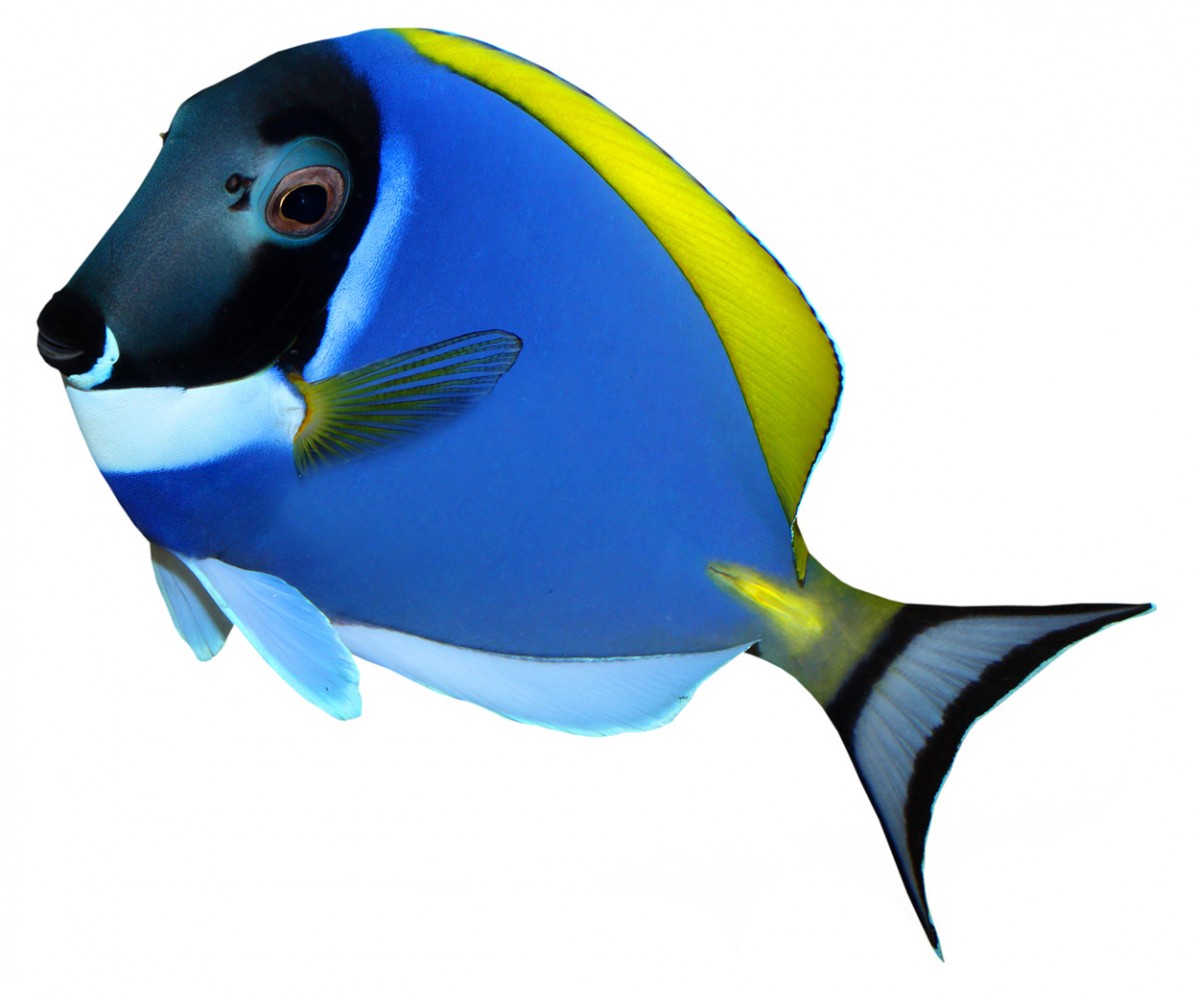
PRODUCTS FOR FISHES

PRODUCTS FOR REPTILES











HOME

PROFILE

LOG IN

3.2. Sign In

**SIGN IN**

USERNAME

EMAIL

PASSWORD

REPEAT PASSWORD

SIGN IN

3.3.Log in

**LOG IN**

USERNAME

PASSWORD

FORGOT PASSWORD

LOG IN

3.4. User’s Profile

**USER’S PROFILE**

ADDRESS

CONTACTS

CREDIT CARD INFO

USERNAME

EMAIL

NEW PASSWORD

CHANGE PASSWORD

HISTORY OF PURCHASES

HOME PAGE

EDIT

EDIT

EDIT

REPEAT NEW PASSWORD

3.5. Product Pages (Dogs, Cats, Birds, Fishes, Reptiles)

**PRODUCT PAGE**

FOOD

MEDICINE

ACCESORIES

HOME PAGE

Item 2

Item 1

Item 2

Item 1

Item 3

Item 4

Item 5

Item 6

Item 3

Item 4

Item 5

Item 6

Item 1

Item 2

Item 3

Item 4

Item 5

Item 6

3.6. Product descriptions

**PRODUCT**

PICTURE

PRODUCT NAME

MANIFACTURER

DESCRIPTION

ADD TO BASKET

\*\*\*\*\*\*(RATING)

PRICE

3.7.Basket

**BASKET**

ITEM 1

ITEM 2

QUANTITY

QANTITY

PRICE

PRICE

REMOVE ITEM

REMOVE ITEM

TOTAL PRICE

SUBMIT

DELIVERY COST

4. Flowchart Diagrams

4.1. Administrator Flowchart

SEARCH PRODUCTS

UPDATE PRODUCT

VIEW USER

LOG IN

MANAGE PRODUCTS

MANAGE USERS

MANAGE ORDERS

ADD PRODUCTS

DELETE PRODUCTS

ADD USER

DELETE / BLOCK USER

VIEW ORDER

DELETE ORDER

ADMINISTRATOR

LOG OUT

USERNAME

PASSWORD

4.2.Customer Flowchart

LOG IN AS USER

REGISTER AS USER

REMOVE ITEMS

SUBMIT ORDER

EDIT PROFILE

INSERT CREDIT CARD INFORMATION

INSERT DELIVERY INFORMATION

DELETE PROFILE

CANCEL ORDER

CUSTOMER

VIEW PRODUCTS

SEARCH PRODUCTS BY NAME

ADD TO CART

USERNAME

EMAIL

PASSWORD

LOG OUT

CHANGE PASSWORD

**5.Stady of the system**

**Moduls**

The system after careful analysis has been identified to be presented with the following modules and roles.

The roles involved are:

-Administrator

-Customer

-User

The system will have two external interfaces: for a credit card verification and for order shipping.

**Credit card authorization system**

The credit card authorization system will be used to accept and verify a customer's credit card information.

The information supplied in this screen will be sent directly to a credit card verification company. The Credit Card Input Screen will be displayed repeatedly with a prompt to re-enter the information in case of a credit card rejection.

**Shipping system**

The shipping system will be used to select a shipping method and to confirm the customer's shipping address and will be connected directly to a shipping company.

**5.1Administrator**

The administrator is the super user of this application. Only admin

have access into this admin page. Admin may be the owner of the shop. The administrator has all the information about all the users and about all products.

This module is divided into different sub - modules:

-Manage Products

-Manage Customers

-Manage Orders

**5.1.1Manage products**

-Add Products

The shopping cart project contains different kind of products. The products can be classified into different categories by name. Admin can add new products into the existing system with all its details including an image.

-Delete Products

Administrator can delete the products based on the stock of that particular product.

-Search products

Admin will have a list view of all the existing products. He can also search for a particular product by name

**5.1.2Manage customer**

-View Customer

The admin will have a list view of all the users registered in the system. Admin can view all the details of each user in the list except password.

-Add Users

Admin has privileges to add a user directly by providing the details.

-Delete & Block Users

Administrator has a right to delete or block a user.

**5.1.3Manage order**

-View Visitor

Administrator can view the Orders which is generated by the visitors.

He can verify the details of the purchase.

-Delete order

Admin can delete order from the orders list when the product is taken for delivery

-Visitor

Visitors can only look at the items. They should log in as user to buy items.

-Customers

**5.1.4Registration**

A new user will have to register in the system by providing essential details in order to view the products in the system. The admin must accept a new user by unblocking him.

**5.1.5Login**

A user must login with his user name and password to the system after registration.

**5.1.6View Products**

User can view the list of products based on their names after successful login. A detailed description of a particular product with product name, products details, product image, price can be viewed by users.

**5.1.7Search Product**

Users can search for a particular product in the list by name.

**5.1.8Add to cart**

The user can add the desired product into his cart by clicking add to cart option on the product. He can view his cart by clicking on the cart button. All products added by cart can be viewed in the cart. User can remove an item from the cart by clicking remove.

**5.1.9Submit Cart**

After confirming the items in the cart the user can submit the cart by

providing a delivery address. On successful submitting the cart will become empty.

**5.1.10History**

In the history the user will have a view of pending orders.

**5.1.11Edit Profile**

The user can view and edit its’ profile.

**6.Specific Requirements**

6.1

Restrictions

1.1.

User Side

1.1.1.

Software

1.1.1.1.

Internet Explorer, Mozilla Firefox, Chrome, Opera, Safari

1.1.2.

Hardware

1.1.2.1.

Any device with operating system (Windows, Mac, Android)

1.2.

System Side

1.2.1.

Software

1.2.1.1.

Web - based application

1.2.1.2.

Database information storage system

1.2.1.3.

The system should use a Relational Database Management System (RDBMS)

2.

Data Structure

2.1.

Items have these attributes

2.1.1.

Unique ID (auto-incremented starting at 1, present only in the database tables)

2.1.2.

Name

2.1.3.

Producer

2.1.4.

Price

2.1.5.

Stock condition

2.1.6.

Stock availability (when the number of available pieces of the item drops to 0, the item should be made unavailable for sale)

2.1.7.

Color

2.1.8

Shipping cost, according to the destination

2.1.9.

Size

2.1.10

General Details

2.1.11

Specific Details (optional)

2.1.12

Feedbacks for the item

2.1.13

Rating

2.1.14

Description

2.1.15

Photos of the item

2.2.

Customer has these attributes

2.2.1.

Unique ID (auto-incremented starting at 1, present only in the database tables)

2.2.2.

Unique Username

2.2.3.

Password

2.2.4.

Full Name

2.2.4.

Email Address

2.2.5.

Postal Address

2.2.6

List of all orders made by the customer

2.2.7

User points

2.3.

Admin has these attributes

2.3.1.

Username

2.3.2.

Password

2.3.3.

Email address

2.3.4.

List of all banned users

2.3.5.

List of all deleted users

2.4.

Order log entries have these attributes:

2.4.1.

Unique ID (auto-incremented starting at 1, present only in the database tables)

2.4.2.

Time and date of the transaction

2.4.3.

Customer’s primary details

2.4.5.

Listing of the contents in customer’s shopping cart

3.

System

3.1.

Browse Inventory

3.1.1.

Organization

3.1.1.1.

Items Listed on single page

3.1.1.2.

Items shown in tabular format

3.1.1.3.

Each Item listing contains

3.1.1.3.1.

Name

3.1.1.3.2.

Producer

3.1.1.3.3.

Price

3.1.1.4.

Listing sorted by Ascending Item Title

3.1.1.5.

No individual Item pages

3.1.2.

Interaction

3.1.2.1.

Each Item has checkbox to mark selection

3.1.2.2.

Single button to add all selected items to Shopping Cart

3.2.

Search Inventory

3.2.1.

Search available only by name or producer

3.2.2.

Search is exact-match only

3.3.

Create, Update and Destroy (CRUD) Functionality

3.3.1.

Only admins are allowed to modify inventory

3.3.2.

Admins have an interface to:

3.3.2.1.

Create an item entry

3.3.2.2.

Update an item entry

3.3.2.3.

Update the stock/quantity of a particular item

3.3.3.

Administrator may delete items from the inventory

3.4.

Shopping Cart

3.4.1.

Logged In

3.4.1.1.

Can add items to cart

3.4.1.1.1.

If Item is not in stock, message displayed informing user to try again later

3.4.1.2.

If shopping cart not empty, a user may begin Checkout procedure

3.4.2.

Not Logged In

3.4.2.1.

Can add items to cart

3.4.2.2.

User required to login before they may begin Checkout procedure

3.5.

Checkout procedure

3.5.1.

User must successfully use shopping cart before beginning this procedure

3.5.2.

Checkout page consists of

3.5.2.1.

A text box for promotion

entering

3.5.2.2.

An overview of the purchase

3.5.2.3.

A text box to hold the credit card number

3.5.2.4.

A button to complete the order

3.5.3.

Order details sent via email after the checkout has completed

3.5.4.

On order completion the inventory is decremented based on items purchased by user

**Functional Specific Requirements**

**The specific requirements may be**

**1.**   **Functionality**

**This subsection contains the requirements for the e-store. These requirements are organized by the features discussed in the document. All these functional requirements can be traced using tractability matrix.**

***1.1***     ***Sell Configured to Ordered Products.***

* The system shall display all the products that can be configured.
* The system shall allow user to select the product to configure.
* The system shall display all the available components of the product to configure
* The system shall enable user to add one or more component to the configuration.
* The system shall notify the user about any conflict in the current configuration.
* The system shall allow user to update the configuration to resolve conflict in the current configuration.
* The system shall allow user to confirm the completion of current configuration

***1.2***     ***Provide comprehensive product details.***

* The system shall display detailed information of the selected products.
* The system shall provide browsing options to see product details.

***1.3***     ***Detailed product Categorizations***

* The system shall display detailed product categorization to the user.

***1.4***     ***Provide Search facility.***

* The system shall enable user to enter the search text on the screen.
* The system shall enable user to select multiple options on the screen to search.
* The system shall display all the matching products based on the search
* The system shall display only 10 matching result on the current screen.
* The system shall enable user to navigate between the search results.
* The system shall notify the user when no matching product is found on the search.

***1.5***     ***Maintain customer profile.***

* The system shall allow user to create profile and set his credential.
* The system shall authenticate user credentials to view the profile.
* The system shall allow user to update the profile information.

***1.6***     ***Provide personalized profile***

The system shall display both the active and completed order history in the customer profile.

* The system shall allow user to select the order from the order history.
* The system shall display the detailed information about the selected order.
* The system shall display the most frequently searched items by the user in the profile.
* The system shall allow user to register for newsletters and surveys in the profile.

***1.7***     ***Email confirmation.***

* The system shall maintain customer email information as a required part of customer profile.
* The system shall send an order confirmation to the user through email.

***1.8***     ***Detailed invoice for customer.***

* The system shall display detailed invoice for current order once it is confirmed.
* The system shall optionally allow user to print the invoice.

***1.9 Provide shopping cart facility.***

* The system shall provide shopping cart during Online Store purchase.
* The system shall allow user to add/remove products in the shopping cart.

***1.10 Provide shipping method.***

* The system shall display different shipping options provided by shipping company.
* The system shall enable user to select the shipping method during payment process.
* The system shall display the shipping charges.
* The system shall display tentative duration for shipping.

***1.11 Allow credit card payment method.***

* The system shall display credit card payment method provided by card verification company.

***1.12 Allow online change or cancellation of order.***

* The system shall display the orders that are eligible to change.
* The system shall allow user to select the order to be changed.
* The system shall allow user to cancel the order
* The system shall notify the user about any changes made to the order.

***1.13 Online Purchase of products***

* The system shall allow user to confirm the purchase.
* The system shall allow user to make changes in the purchase.
* The system shall allow user to cancel purchase.