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S2 PET SHOP

Design Document

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Semester:	4	
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REVIEW 1

1. Introduction

In this day and age, with the growing popularity of the Internet and technological advancement, is it much quicker and easier to buy and sell online now than ever.

Many people browse through popular ecommerce stores and search engines to find whatever they are looking for and find the best price.

As a seller with an eCommerce website, you can tell your customers about your store, showcase your products and get sale orders online.

S2Pet Shop is a online store, provide food for pet and other.

So they need a website to sell products online, manage their business such as sale orders, revenue, profit, ...

Customers will enjoy the round-the-clock convenience of being able to purchase what they want and when they want it, and they won't lose out on sales with an online shop that is open 24 hours a day, 7 days a week, compared to regular store hours.

2. Existing Scenario

Nowadays, online shopping is an important and potential market. After gathering enough information about the product and the saler, online customers can decide to buy it or not without coming to the store.

To widen the company's market and aim to online customers, S2Pet Shop reach online customers in an attractive, trusty and completely way.

3. Customer Requirement Specification

Website will be a 24/7 sales channel to provide customers information about the product, order online at the website at any time.

For customers, they can:

- Search products by name.
- Filter products by categories, types, brands and price.
- View detailed information about the product.
- Track recently viewed products.
- Register an member account, logged in system to rate stars for products, leave review, manage own profile, order online.

For administrator, they can full access (create, read, update, delete) to every information of the website after logging in by admin account.

4. Functional Requirement Specification

4.1 Guests (unregistered customers)

4.1.1 Description

Guests can use basic functions of the website such as:

- Viewing product details, about shop, contact shop via submit form.
- Searching products, filtering products by category, brand.
- Comparing products.
- View shopping cart, check out order.
- Tracking recently viewed products.
- Signing up to become members.

4.1.2 Functional Requirement

When customers (include guest and member) access the home page, there should be:

- Top bar shows some important items such as hotline number, text box to search product, register / login button.
 - + Customers can search product by name, system process and response to page to display results.
 - + Customer can register member account

Website provides a page for guest to register member account by providing necessary information: email (unique), password, name, mobile, address.

- Menu bar including: Home, category, brand, contact us, faq, shopping cart icon.
 - + Shopping cart is working for both members and guests.
 - + Customers can add products to shopping cart while surfing the website for the creating order step.
 - + Customers can view shopping cart, check out order as guest.
- Slideshow: new product, hot sale, promotion,...
- List of featured products: new, best selling, best rating, most viewed
- Customers should be able to filter products by categories, brands or price.
 - + Web page should have a section to show all categories with types in every category, all brands, a seek bar to choose price between a range.
 - + List of filtered products will appear after customer click on the link of above section. List should show products in grid view or list view.

- + List should have pagination function, which let customer to choose the number of items in each displayed page (page size).

- Footer

4.2 Member

4.2.1 Description

Guests can register on the website to become a member. After having their accounts, they can still do all function as guests but they will be able to access more features after login.

After login, they can:

- Update their information including password change.
- Manage orders
- Rating products
- Leave Comments

4.2.2 Functional Requirements

- Customer can login into the system with account credentials: email, password

After members login:

- Member can modify his/her profile: change password, name, mobile, address.
- Member account can view shopping cart, check out order:

Customers go to creating order step from shopping cart by clicking Order button. The website has to check current customer is Member or Guest.

- + If member, continue to creating order step as member
- + If guest, continue to creating order step as guest.

Notes: Checking all information of products in shopping cart before create an order

- Make ratings for products: rate for products (from 1 to 5 stars), if rated, they can view their ratings and can update ratings.
- Leave a review

After logging in, member can rate stars and leave comments to review products. The website has to check current customer is Member or Guest.

- + If current customer is Member (registered), display rate and leaving comment section.
- + If current customer is Guest (not registered), require login if customer wants to rate or leave comment

4.3 Administrator

4.3.1 Description

Admins are shop's staffs. After login, they will manage information related to products and customers, follow customers' orders, diagnostic shop's business status via number of sales and charts.

4.3.2 Functional Requirement

Via admins' pages, after log in using email and password, admins can:

- Manage information related to products and customers, admins:

Create, Read, Update, Delete: data in tables such as: products, categories, types, brands, customers, admins.

- Follow customers' orders:

Have a page to change the orders' status with values (listed base on real order): processing (default - 1), shipping (2) and completed (3).

- Can view reports:

Website provides a page for admin account to view Statistics & Reports about:

- Total profit
- Total reviews
- Total orders
- Total accounts
- Products: Top selling, Most viewed, Top rating
- Orders: Last 10 orders, Pending order, Success order, Canceled order

5. System Requirements

5.1 Hardware Requirements

- Pentium core i3 CPU 2.80 Ghz or higher.
- 4GB of RAM or higher.

5.2 Software Requirements

- Win 7, Win 8 or Win 10. - SQL Server 2017 or higher.
- Netbean 7.4 or higher. - JavaEE 7 SDK.

- Java Development Kit (JDK) 1.7
- Glassfish Server 4.0.
- Google Chrome70.0 or higher.

6. Technologies

- J2EE
- JSP, Servlet
- HTML
- CSS
- Javascript
- EJB
- JQuery
- Ajax
- Bootstrap
- AngularJs

7. Scope of project

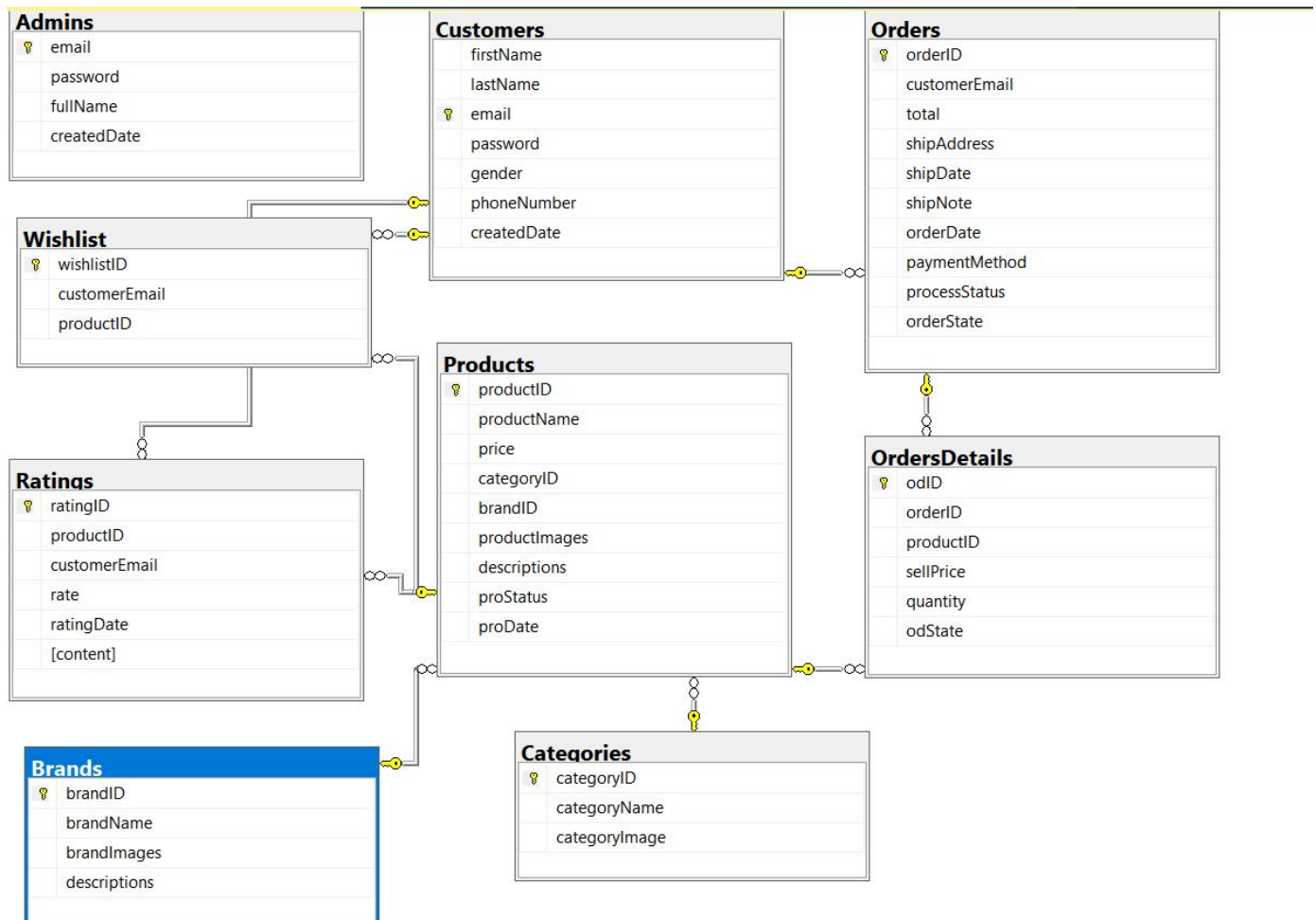
There are some functions not to be included in this project as follows:

- Manage the warehouse: all products with different sizes and colors will be always available.
- Manage promotions: No promotion will be apply.
- Manage the shipping.
- Manage payment methods via credit card.

8. Task sheet

Project Ref. No.		Project Name: Tshop Computer	Date of Preparation of Activity Plan		
No.	Task	Description	Start Date	Complete Date	Team member
01	Review 1	Problem Definition	08/05/2019	15/05/2019	Dao Hoang Tuan
02		Customer Requirements Specifications			Nguyen Trieu Vi
03		Functional Requirement Specification			Nguyen Qui Thai
04		System Requirements			Ha Hoai Nam
05		Technologies			Tuan,Thai,Vi
06		Scope of project			Ha Hoai Nam

* Database Diagram :



Project Ref. No.: eP/Advertisement Portal Management System/01		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Name s	Status
1	Database	S2 Pet Shop	15/05/2019	15/5/2019	1	Tuan Vi	Completed
2	Login , Logout,Multi Language			15/5/2019	3	Nam	Completed
3	Shopping Cart,Compare,Check Out			15/5/2019	3	Thai	Completed
4	Search,Wishlist,Rating, Recommendation			15/5/2019	3	Vi	Completed
5	Design			15/5/2019	3	Tuan	Completed
6	Admin Management			15/5/2019	3	Tuan	Completed
7	Database Design Diagram			15/5/2019	2	Tuan	Completed
8	GUI Design back- end			15/5/2019	3	Thai Vi	Completed
9	Task sheet review			15/5/2019	1	Tuan Vi	Completed

