

PetVista

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1 Introduction

PetVista - Pet Essentials Store containing a vast list of products including Food, Treat, WinterWear, Litter, Toys, Supplements and Grooming Kit is a modern solution that simplifies how pet stores operate. It helps manage pet products efficiently. It ensures a smooth experience for the customers, With features like easy product categorization, order tracking, and customer profiles, it transforms pet retail into a seamless and customer-friendly process. PetVista plans to build an online store that contains all the pet essentials such as food, supplements, toys etc. making it easy for pet owners to manage their orders. This will be achieved by building a database for managing the information about the customers, the products, the suppliers and the delivery person. Below are the project requirements briefly explaining the implementations.

2 Project Scope

2.1 Account Creation

Users can either login to their existing account or create one with details like name, address, mobile number and all the above along with order history can be accessed in the profile section. Customers can update their profiles, manage preferences, and track their interactions with the store.

2.2 Analysis of Customer Categories

Implement functionality to categorize customers based on pet ownership status (e.g., first-time pet owners, experienced pet owners). Analyze customer data to understand demographics and preferences.

2.3 Browse Products

Upon account creation customers can browse pet products, place orders, and track order history. Include order confirmation, order status updates, and cancellation options.

2.4 Search and Filter

Users can use search functionality for users to find pet products based on various criteria such as pet type, brand, and price range. Include filters for refining search results. They can later add the products to the cart for purchase *given the product is in stock*.

2.5 Payment Management

To buy the products in the cart online orders are accepted along with options for pay on delivery option. This would be achieved using dummy payment processing which would update the database.

2.6 Push Notifications

Customers would later receive notifications, notifying them about order confirmations, payment successful messages, and updates on order delivery or product availability.

2.7 Order Delivery

Depending upon the location, ordered item/s the user would receive a reasonable delivery date/time. The delivery charges would be calculated based on the location.

2.8 Rating and Review

The customers can rate a previously purchased product from a scale of 1-5, with an option to write a review within 200 words. The review/rating would be accepted after checking whether the product is bought by the customer (Yes/No).

2.9 Return and Refund Policy

The customers can either return or refund the order item(s) in case of any dissatisfaction.

2.10 Data Management

Data can be added, updated, and deleted for pet products from the inventory and the supplier details by the admin and users can update their data in the profile section. The database will be constantly updating after purchases, updates, additions and deletions.

2.11 Security Measures

Security measures would be incorporated to ensure the protection of sensitive customer data, including encryption of user credentials and personal information.

2.12 Tech Stack

I plan on using MySQL for managing all the data storage and retrieval needs, Django for the backend and ReactJS for the frontend since Django facilitates easy interfacing with MySQL.

3 Contribution

Nimit Panwar - Sole Contributor (Research and Authored the document)