

Aquarium and Petshop Management System

Abstract: Aquarium and Pet Shop Management System The Aquarium and Pet Shop Management System is a web-based application built using the Python Django framework. The project aims to provide an organized and efficient platform for managing a virtual aquarium and pet shop, facilitating the management of diverse aquatic life and pets. This project encompasses various features such as pet inventory management, user authentication, search and filtering and more. This Project has four users Admin, Dealer, Customer and Delivery Man. In mini project there is only three users(except Delivery Man) and In main project there are four users. In this project i am including the technologies like email verification in user login and dealer login and in main project implementing the payment technology and i would like to implement machine learning in Product showcase

Admin-

The user who has control over the dealer ,customer ,The admin can view the details and customer.the admin can view the details of Aquarium and Petshops and delete the database of the Aquarium and petshop.The admin can add the category of pets and Aquarium.

Dealer-

The dealer can be the petshop owners or normal users who can sell the Aquarium and pets.The dealer can add,update,delete the database of aquarium and Pets

Customer-

The user who is buying the Aquarium and Pets

Delivery Man-

The user who is distributing the Aquarium and Pets

Frontend - HTML,CSS

Backend - Python Django

Mini Project Implementation:

Admin-

- Admin can add the categories of Pets and Aquarium
- Admin can edit, view and delete the database of aquarium and pets
- Admin Dashboard and Reporting
- User Authentication and Access Control(Implement User Registration , login and role assign)
- Access to all System Functionalities

Dealer-

- Pet and Aquarium Management
(Develop interfaces for dealers to add, update, and delete the different breeds,
Store essential details and information about the aquarium and Pets)
- Inventory Management

(Enable dealers to manage the various categories of aquarium and Pets availability.
Implement functionality to update aquarium and Pets details.)
- Delivering the product

Customer-

- Searching and Filtering
- Adding details(name,ph no,address etc)
- Buying the pets and aquarium

Technology-

Technology used in Mini Project – Email verification in user login and dealer login

Main Project Implementation:

Admin -

- Notifications and Alerts (while delivering the Aquarium and Pets)
- Settings and Configuration
- Security and Data Privacy

Customer -

- Notifications and Alerts(while sending the Aquarium and Pets to the buyer)
- Feedback and Reviews (users can add the feedback and reviews of the Pets and Aquarium)

Dealer-

- Order Notifications- When a customer places an order, the dealer receives notifications with order details and shipping information.,
- Order Fulfillment- Dealers prepare and package products for shipping based on received orders)
- Customer Queries- Dealers can answer customer questions about specific pets and aquarium, availability, and specifications.(implementing chat bot) ,
- Feedback and Reviews: Dealers can read customer reviews and ratings for their products and take necessary actions based on feedback.)
- Product Showcase- presenting the Aquarium with fish using virtualisation and accurating how it live in the aquarium)

Delivery Man-

- Delivering the Aquarium and Pets

Technology-

Technology used in Main Project are implementing payment and chat bot

Reference-

- Flipkart
- Amazon
- Chatgpt
- Online sites
 - <https://www.marshallspetzone.com/>
 - <https://expomx.in/pet-store>
 - <https://supertails.com/>
 - <https://headsupfortails.com/>
- Physical
 - Royal farm and aquarium shop