



AMAL JYOTHI
COLLEGE OF ENGINEERING
(A U T O N O M O U S)

AQUA -HUB

23MCA245 - Mini Project

Scrum Master

Merin Chacko

Assistant Professor

Department of Computer Applications

Jeswin George

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Git url: <https://github.com/jeswinn/Aqua-Hub>

E Mail: jeswingeorge2025@mca.ajce.in

**DEPARTMENT OF
COMPUTER APPLICATIONS**



ABSTRACT-Aqua Hub

Aqua Hub is an innovative online platform dedicated to connecting fish enthusiasts with trusted sellers. Aqua Hub offers a seamless and comprehensive experience.

One of the standout features of Aqua Hub is its support for local producers. After a quality inspection, sellers can register and start selling their products. Aqua Hub aims to be more than just an e-commerce platform; it seeks to create a local community where users can share tips and tricks for fishkeeping. Anyone can sell their products upon verification by the admin, who ensures fair pricing to guarantee good quality ornamental fish at reasonable prices.

Objective

- Connect fish enthusiasts with trusted sellers.
- Create a community where fish enthusiasts can share ideas.

Modules And Key Features,

1.User Experience

- **Easy Registration and Authentication:** Users can quickly sign up and log in to access their personalized dashboard.
- **Wide Variety of Fish:** Browse through a diverse selection of fish species with detailed descriptions and care instructions.
- **Convenient Shopping Cart:** Add desired fish to your cart and proceed to a secure checkout.
- **Order Tracking:** view your purchase history.
- **Community Engagement:** Share tips, tricks, and experiences with fellow fish enthusiasts. Create blogs and other articles for effective fish keeping

2.Seller Capabilities

- **Seller Registration:** Fish sellers can easily register and get approval to list their products upon verification.
- **Product Management:** Sellers can manage their fish listings, including adding new species, updating stock, and setting prices.

- **Order Management:** View and manage customer orders, and update order statuses.

3.Admin Control

- **User and Seller Management:** Admins can oversee and manage all registered users and sellers, including approval and suspension.
- **Product Category Management:** Organize fish into various categories to enhance the browsing experience.
- **Price Monitoring:** Ensure fair pricing by monitoring and adjusting prices to prevent overpricing.
- **Customer complaint management.**

Future Expansion(For Main Project)

Modules

1. **Delivery Agent:**
 - Aqua Hub will have a delivery agent to ensure products are safely packed and reach customers without any issues.

Additional Features Features

1. **Aquariums and Accessories:** Expand to include a variety of aquariums, fish food, and aquatic plants, making it a one-stop shop for all aquarium needs.
2. **Personalized Recommendations:** Suggest products based on previous purchase history.
3. **Chatbot Support:** Provide a chatbot for answering doubts about fishkeeping and ornamental fish.
4. **Enhanced Analytics:** Offer detailed insights into platform performance, sales trends, and user engagement.

Additional Features

1. **Wishlist Functionality:** Allow users to save their favorite products to a wishlist for future purchases.

2. **Customer Reviews and Ratings:** Enable users to leave reviews and ratings for fish and sellers, enhancing trust and transparency.

3. **Fish Care Guides:** Provide comprehensive guides on fish care, tank setup, and

Aqua Hub aims to enhance user experience, support local sellers, and create a community among fish keepers

