"Web-Based Order Management System for Amigo Amiga Perfume"

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Background of the study

AMIGO/AMIGA Perfume is a locally owned fragrance business that specializes in offering a variety of affordable, high-quality perfumes inspired by popular scents. The business is steadily growing. However, the client currently faces challenges in promoting the brand to a wider audience. To address these issues, the owner seeks to develop an online ordering system. This system will not only help track and manage inventory but also serve as a platform to enhance the visibility and recognition of AMIGO/AMIGA Perfume in the market. By integrating digital solutions, the client aims to streamline business operations and expand customer reach.

The AMIGO/AMIGA Perfume brand requires an official website to enhance accessibility and convenience for customers who wish to place orders online. This platform will allow customers to browse and purchase products from the comfort of their homes, eliminating the need to visit the physical store. With a dedicated website, the brand can reach a wider audience, streamline the ordering process, and provide a more efficient shopping experience. It also opens opportunities for promotional campaigns, customer reviews, and personalized service, further strengthening customer engagement and brand visibility.

Project Objectives

- To provide a convenient online ordering system for customers who prefer shopping from home.
- To increase brand visibility and reach by making the perfume products accessible to a wider online audience.
- To streamline the purchasing process with an easy-to-navigate product catalog and secure checkout.
- To promote new products and special offers directly to online visitors through the website.
- To improve customer interaction through contact forms, feedback options, and possibly live chat support.

System Analysis

Functional Requirements

1. **User/Admin Registration and Login**

   - Customers can create accounts and log in securely.

   - Admins can log in to manage products, orders, and customer data.

2. **Product Browsing and Searching**

   - Users can browse perfumes categorized by scent, brand inspiration, or price.

   - Users can search for specific products using keywords.

3. **Inventory Management**

   - Admins can update stock levels per branch.

   - The system notifies when products are low in stock.

4. **Content Management**

   - Admins can add/update/delete products.

Non-Functional Requirements

1. **Usability**

   - The interface must be intuitive and responsive

2. **Performance**

   - The system should load pages within 2 seconds under normal conditions.
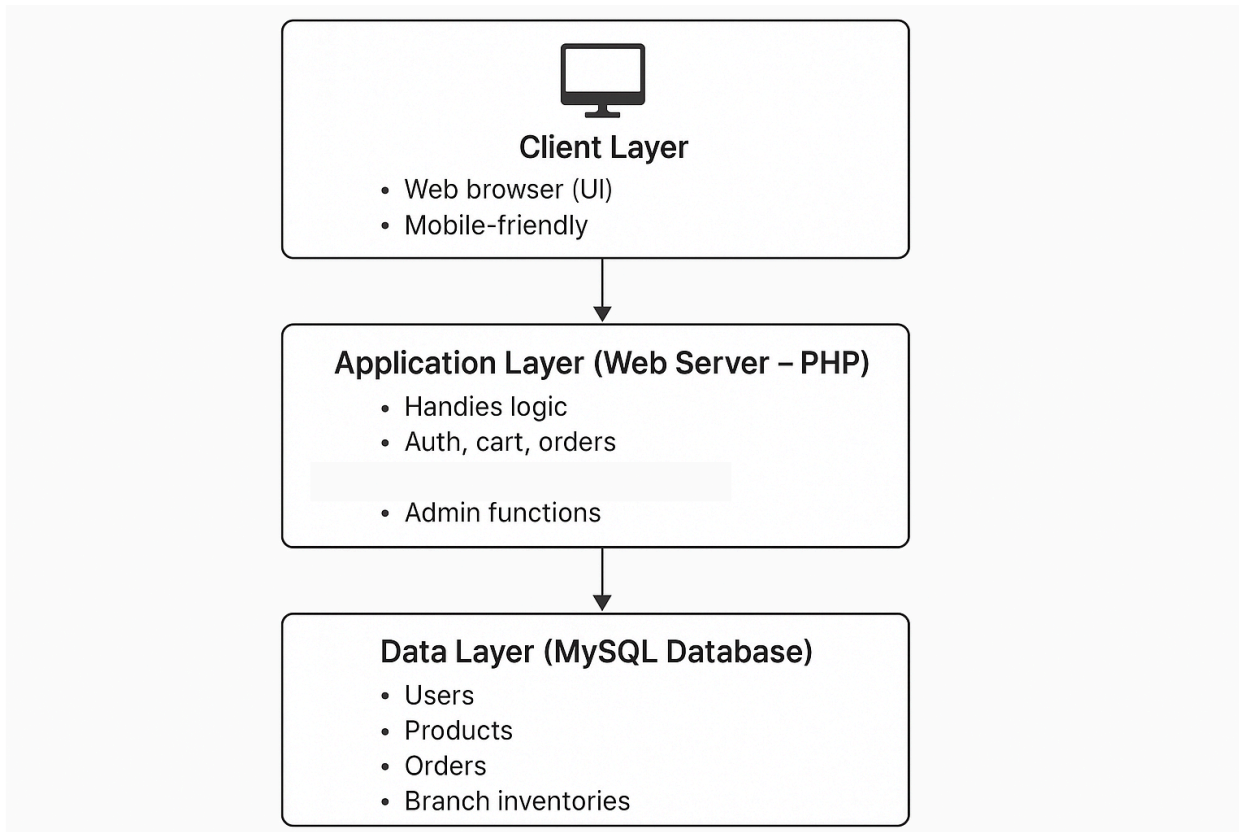
3. **Availability**

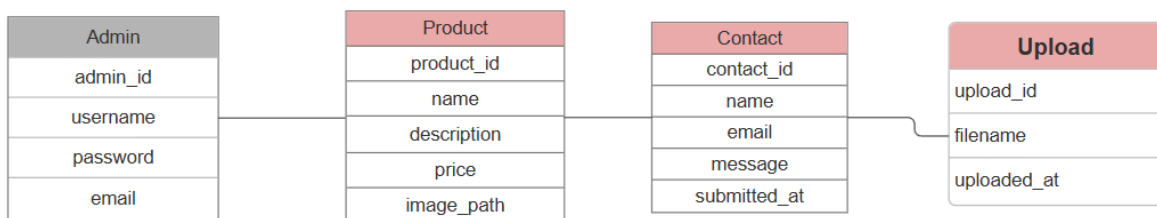   - The system should have 99.5% uptime to ensure accessibility.

4. **Maintainability**

   - Codebase should be modular and documented for easy updates and troubleshooting.
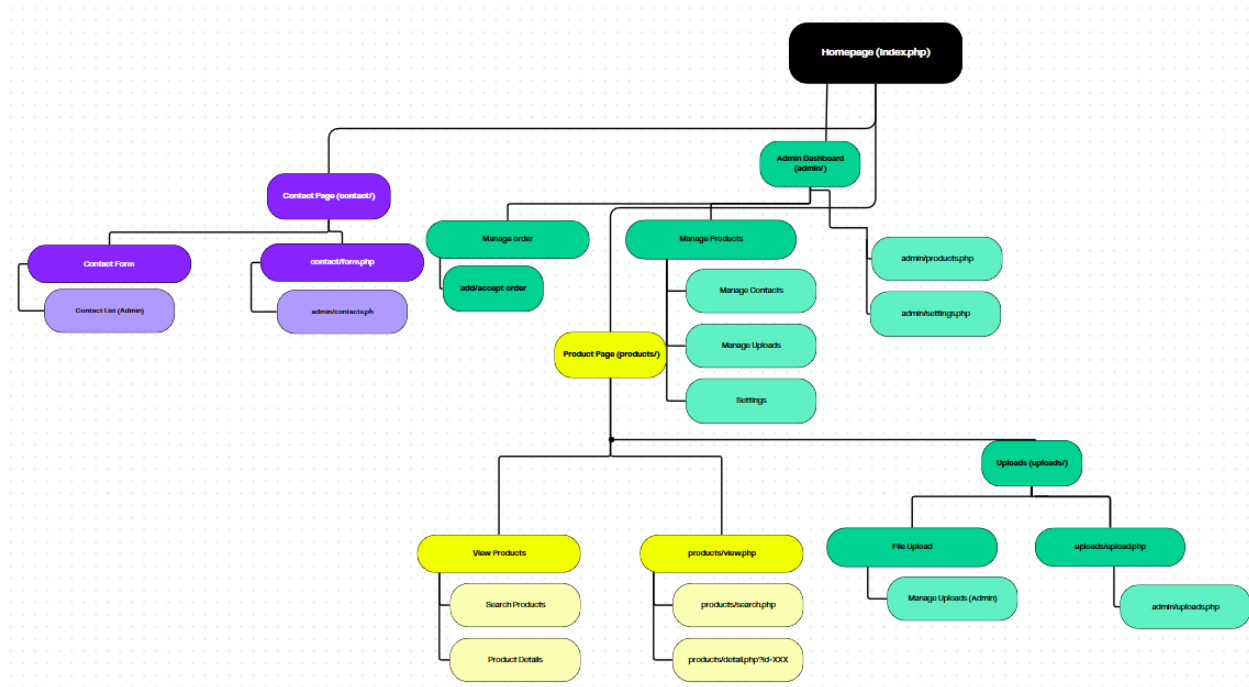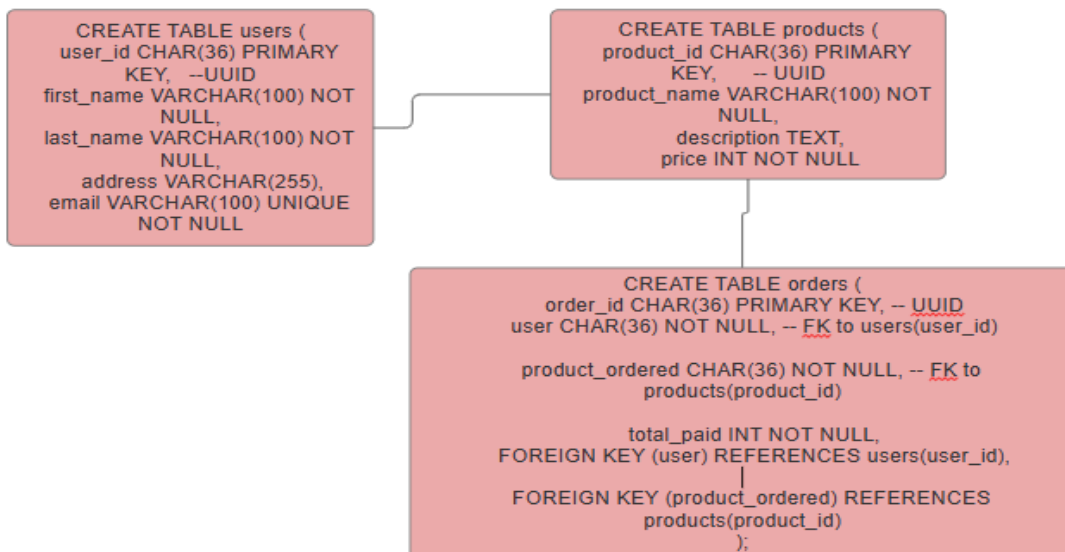
System Architecture Diagram

System Design

Entity-Relationship Diagram(ERD)

Site map and layout wireframe

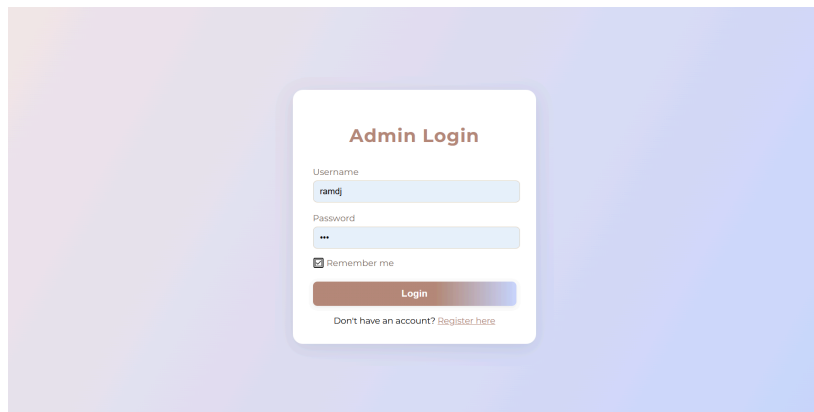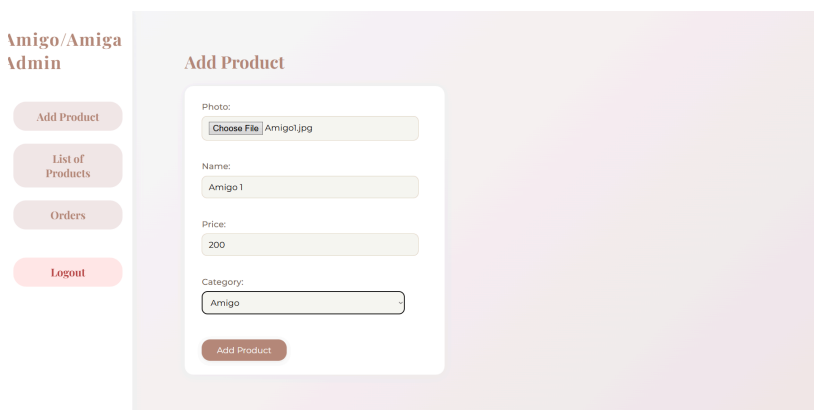# Sample forms and database structure

Implementation

Tech stack used

- **Php**
- **MySQL**
- **HTML/CSS**

Screenshot of key features:

Admin:

Amigo/Amiga Admin

Add Product

List of Products

Orders

Logout

List of Products

Photo	Name	Price	Action
	Amigo 5	200	Edit | Delete
	Amiga 1	200	Edit | Delete
	Amigo/Amiga 1	200	Edit | Delete
	Amigo 1	200	Edit | Delete

Amigo/Amiga Admin

Add Product

List of Products

Orders

Logout

Order deleted!

Orders

Photo	Product	Total	Action
	Amigo 5	200	Accept | Decline
	Amigo 5	200	Accept | Decline

User:

Amigo/Amiga Perfum

Discover your signature scent. Elegant fragrances for every personality.

Search perfumes... | Search

Amigo   Amiga   Amigo/Amiga

Amigo	Amiga	Amigo/Amiga	Amigo
Amigo 5	**Amiga 1**	**Amigo/Amiga 1**	**Amigo 1**
Price: $200	Price: $200	Price: $200	Price: $200
Buy Now	Buy Now	Buy Now	Buy Now

Testing and Evaluation

Test Case	Description	Expected Result	Actual Result	Status
TC01 – Homepage Load	Visit homepage via browser	Homepage loads with branding and navigation	Successfully loaded with all components	✅ Passed
TC02 – Search Function	Enter a perfume name in the search bar	Matching product(s) appear	Search returned correct results	✅ Passed
TC03 – Add New Product (Admin Panel)	Admin adds a new item via dashboard form	Product appears in public catalog	Product listed correctly	✅ Passed
TC04 – Login Functionality	Login with registered credentials	Redirected to admin dashboard	Successful login and redirection	✅ Passed
TC05 – Invalid Login	Enter incorrect password	Error message shown	Error message displayed	✅ Passed

Conclusion and Recommendation

This project has provided the team with meaningful insights into designing and developing an online ordering system tailored for a local business like AMIGO/AMIGA Perfume. The system focuses on digitizing product browsing, customer engagement, and administrative tasks, helping the brand reach a wider audience and operate more efficiently.

Through this project, we were able to:

- Understand how technology can address business problems, such as manual order handling and limited market visibility.
- Create a centralized online platform that enhances customer convenience and streamlines product and content management.

From this project, our group learned:

- How to interpret client needs and translate them into system requirements.
- The technical process of building a structured website using PHP, MySQL, HTML, and CSS.
- The importance of collaboration, planning, and version control in group-based development projects.

Recommendations and Future Improvements

To further enhance the user experience and support the continued growth of AMIGO/AMIGA Perfume, we recommend the following features for future development:

- **Wishlist Functionality**: Allow users to save their favorite products for easier access and future purchases.
- **Live Chat Support:** Enable real-time customer assistance to address inquiries and boost engagement.
- **Customer Review Section**: Let buyers leave ratings and feedback to help others make informed purchasing decisions.