

Yanyan Cafe - Web Design Proposals

Project Overview

The Yanyan Cafe Web Design project aims to create an advanced online platform to enhance user experience and streamline administrative operations, including user interactions, order processing, and administrative tasks.

Objectives

- User Experience:** Provide a user-friendly interface for order placement, account management, and order tracking.
- Order Management:** Develop a robust backend for smooth transactions and accurate order tracking.
- Administrative Control:** Equip administrators with tools for efficient user, order, and menu management.

Project Scope

User Account Management

- Easy Registration and Login:** Quick sign-up and log-in using email or social media accounts.
- Profile Updates:** Users can update personal details and preferences.

Order Placement and Tracking

- Online Order Placement:** Browse the menu, select items, and place orders.
- Order Status Viewing:** Real-time order status updates.
- Order History Access:** View and reorder past orders.

Menu Management

- Menu Updates:** Add, edit, or remove menu items.
- Price Management:** Update prices for menu items.
- Availability Management:** Manage item availability.

Logging and Monitoring

- System Event Tracking:** Monitor system events for security and troubleshooting.
- Security Monitoring:** Identify and troubleshoot security issues.

Technologies

- Backend:**

- PHP, Composer
- **Frontend:**
 - HTML
 - JavaScript, jQuery
 - CSS, SCSS
 - daisUI, Tailwind CSS
- **Database:**
 - MySQL
- **Hosting:**
 - Amazon Web Services
 - Cloudflare
 - Apache Server

Data Collection

- **User Information:**
 - Personal details including email, password, first name, last name, birthdate, and phone number will be collected to manage user accounts and provide personalized experiences.
 - Account details such as user roles, subscription status for newsletters, and a reference to the user's avatar file will be stored.
 - Timestamps for account creation and updates, along with a flag indicating if the account is deleted, will be maintained to ensure accurate record-keeping and account management.
- **Orders:**
 - Order details will include user ID, order date, items ordered, and total amount. This information will help in tracking user purchases, managing orders, and providing a smooth transaction experience.
- **Log Entries:**
 - Logs of events, including descriptions and timestamps, will be maintained to monitor the system's activities and ensure security and troubleshooting capabilities.

User Types and Usage

1. **Admin:**
 - Full access to all system features.
 - Manage users, cats, menu, orders, and settings.
 - View logs.

2. Staff:

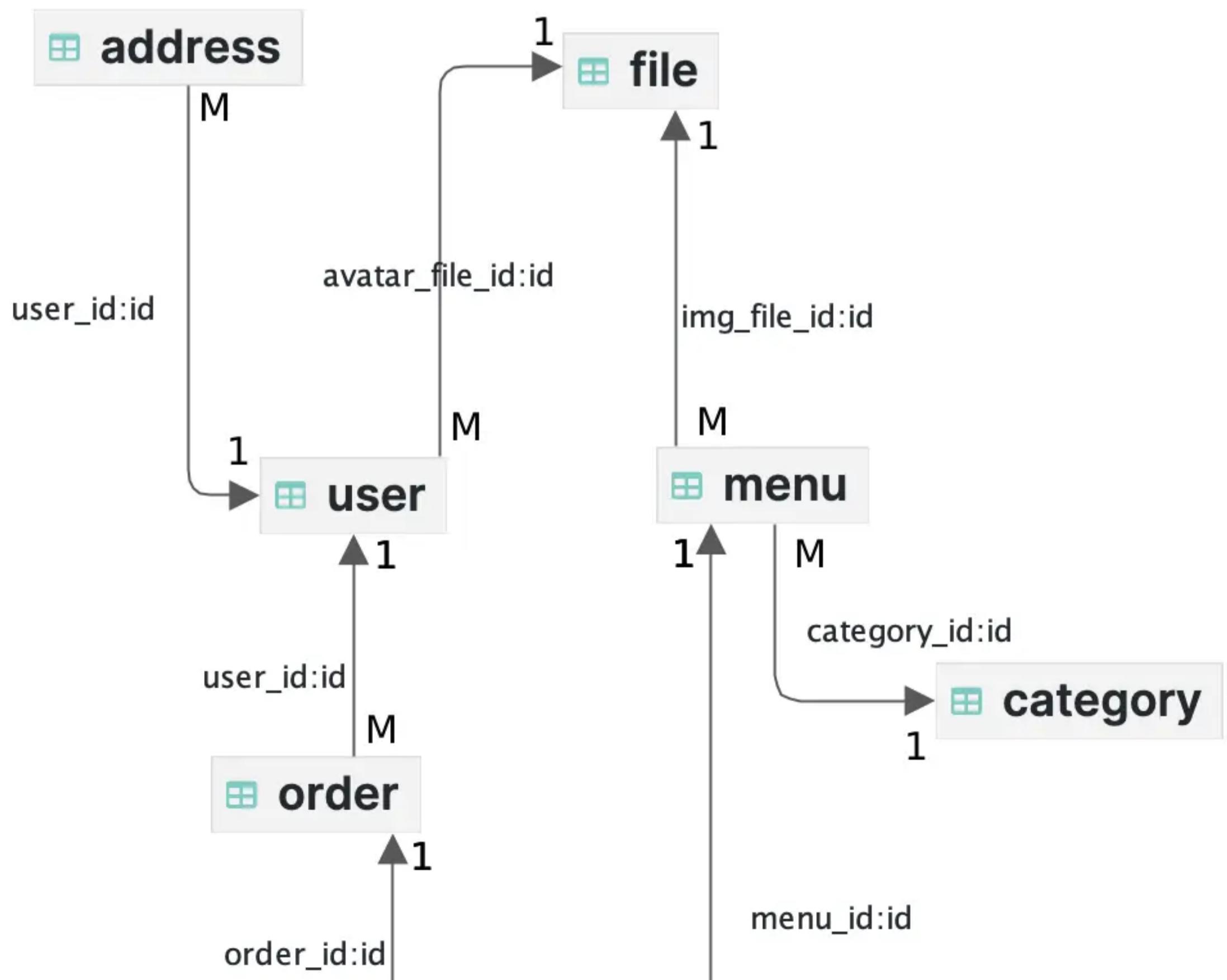
- View and modify orders.
- Update order prices.
- Manage menu items.

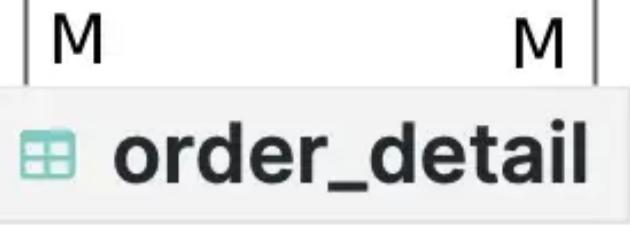
3. User:

- Place orders.
- View order history.

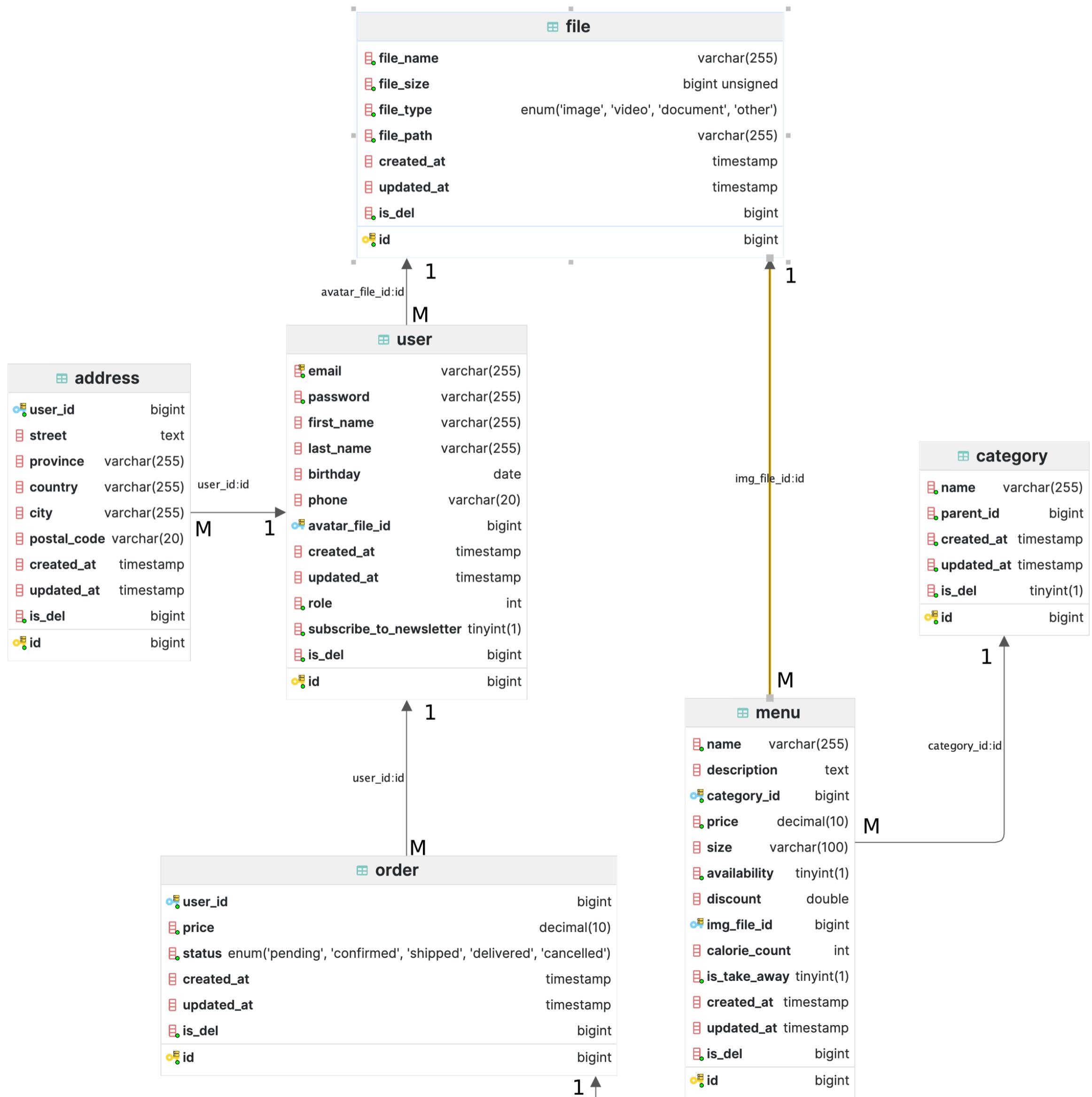
Data Models

Conceptual





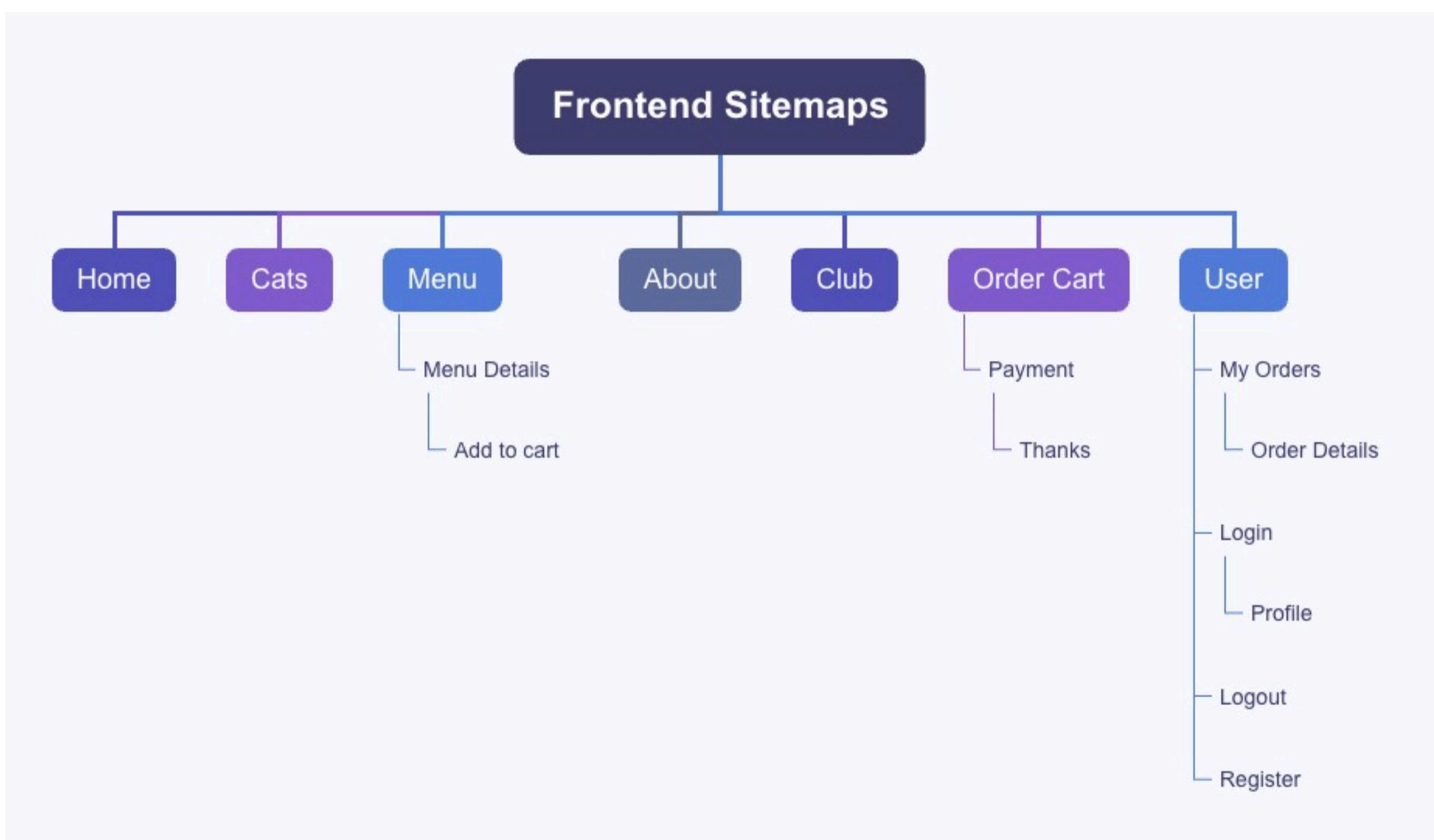
Physical



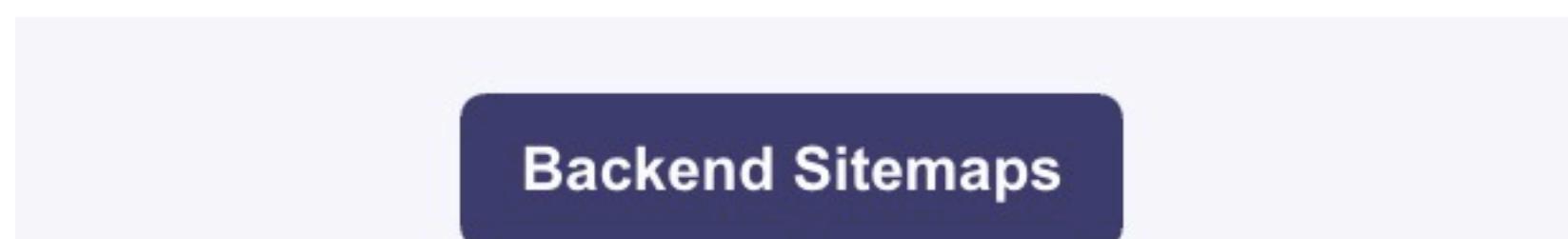
order_detail	
order_id:id	bigint
menu_id:id	bigint
quantity	int
unit_price	decimal(10)
created_at	timestamp
updated_at	timestamp
is_del	bigint
id	

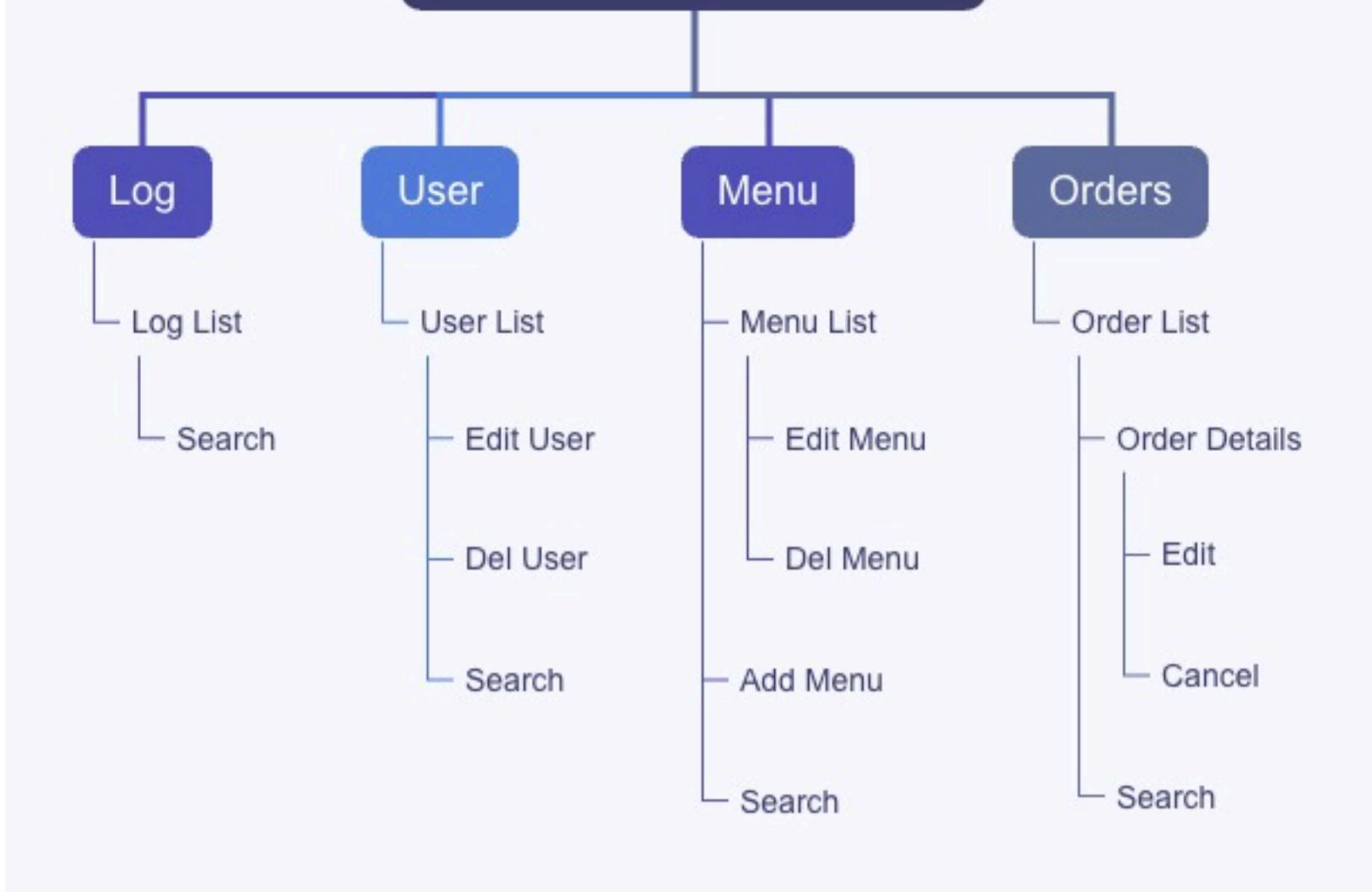
Sitemaps

Frontend



Backend





Security

1. XSS (Cross-Site Scripting):

- Implement strict input validation to ensure that all user inputs are sanitized.
- Escape outputs to prevent malicious scripts from being executed in the browser.

2. CSRF (Cross-Site Request Forgery):

- Not allowed. Ensure that state-changing operations are protected by other means such as requiring secure tokens or headers.

3. SQL Injection:

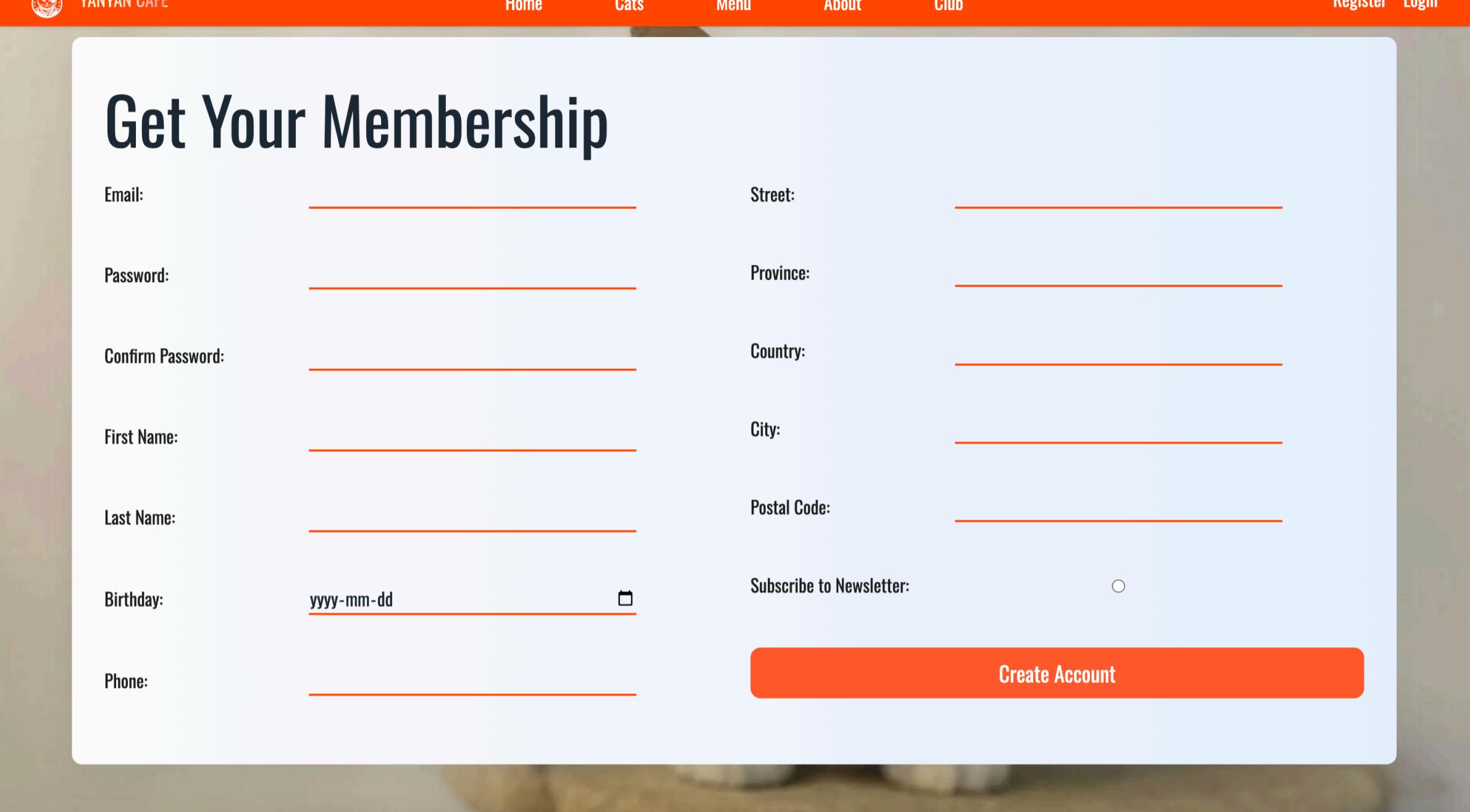
- Use prepared statements and parameterized queries to prevent SQL injection attacks.
- Validate and sanitize all inputs that are used in SQL queries.

4. Infrastructure Security:

- Use AWS (Amazon Web Services) for hosting to leverage its robust security features, including data encryption, secure access controls, and network security.
- Employ Cloudflare for web application firewall (WAF) and HTTPS to mitigate external threats and ensure secure communication.

Design Comps

Register Page



YANYAN CAFE

Home Cats Menu About Club Register Login

Get Your Membership

Email:

Password:

Confirm Password:

First Name:

Last Name:

Birthday:

Phone:

Street:

Province:

Country:

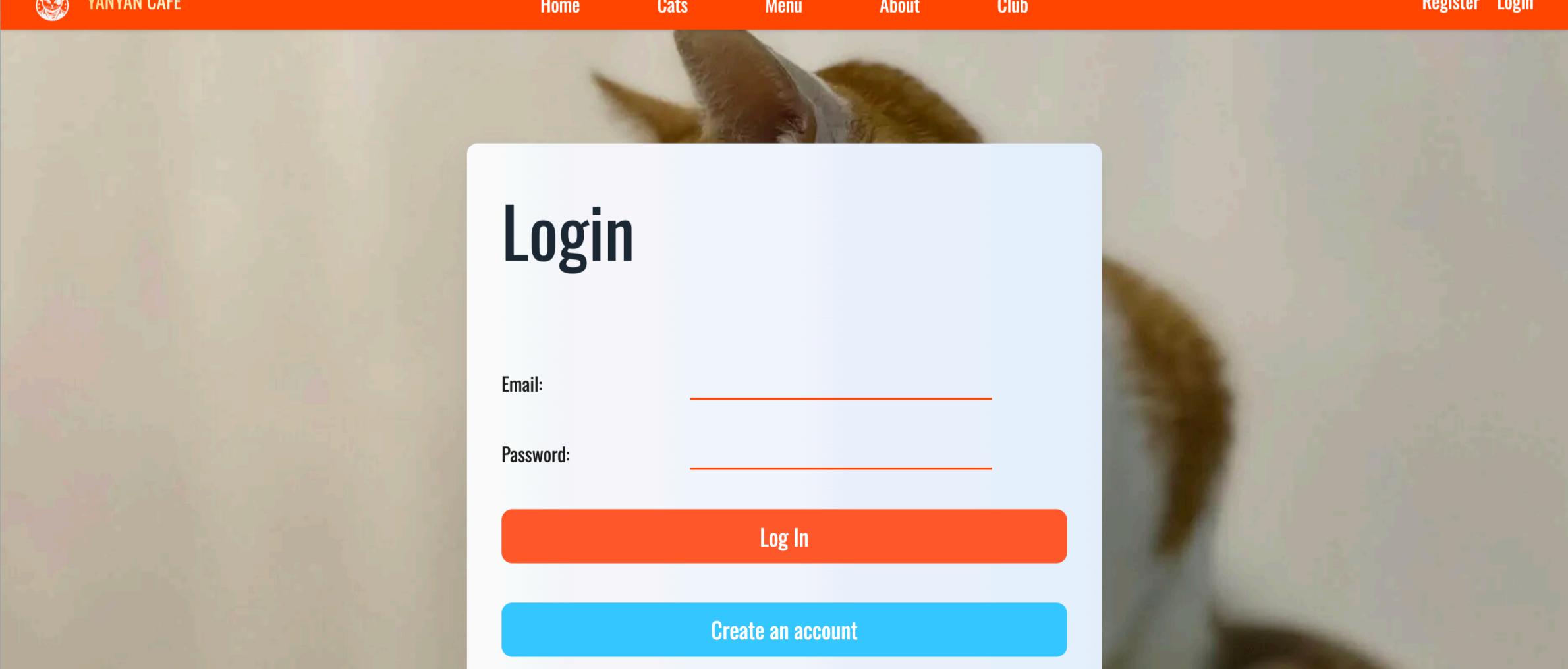
City:

Postal Code:

Subscribe to Newsletter:

Create Account

Login Page



YANYAN CAFE

Home Cats Menu About Club Register Login

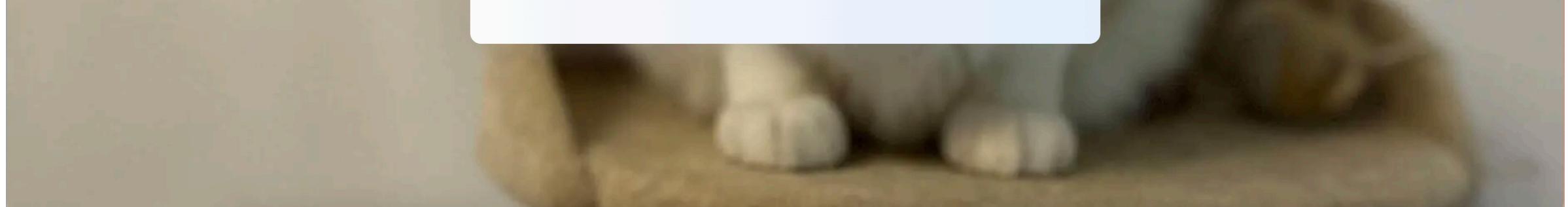
Login

Email:

Password:

Log In

Create an account



Profile Page

The profile page features a header with the logo "YANYAN CAFE" and navigation links for Home, Cats, Menu, About, Club, Logout, Profile, and a user icon. On the left, there's a profile picture of a ginger and white cat and a "PROFILE" section. The central card displays "Personal Info" with details: First Name: Yongdong, Last Name: Xiang, Email: paracidex@gmail.com, Birthday: 2024-06-15, and Phone: 4316885464. To the right, another card shows "Addresses" with Street: 367 Lipton St, City: Winnipeg, Province: MB, Country: Canada, and Postal Code: R3G 2H2.

YANYAN CAFE

Home Cats Menu About Club Logout Profile

PROFILE

Personal Info

First Name: Yongdong
Last Name: Xiang
Email: paracidex@gmail.com
Birthday: 2024-06-15
Phone: 4316885464

Addresses

Street: 367 Lipton St
City: Winnipeg
Province: MB
Country: Canada
Postal Code: R3G 2H2

Admin Log Page

The admin log page has a header "Yanyan Cafe - Dashboard" and tabs for "Dashboard" and "Logs". The "Logs" tab is active, displaying a table of log entries. Each entry includes a log number, date, and event details.

#	Date	Event
1	2024-06-07 14:57:27	2024-06-07 14:57:27 GET /?p=profile 200 Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/125.0.0.0 Safari/537.36
2	2024-06-07 14:57:27	2024-06-07 14:57:27 POST /?p=login_process 200 Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/125.0.0.0 Safari/537.36
3	2024-06-07 14:57:18	2024-06-07 14:57:18 GET /?p=login 200 Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/125.0.0.0 Safari/537.36
4	2024-06-07 14:57:01	2024-06-07 14:57:01 GET /?p=login 200 Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/125.0.0.0 Safari/537.36
5	2024-06-07 14:56:42	2024-06-07 14:56:42 GET /?p=register 200 Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/125.0.0.0 Safari/537.36

6	2024-06-07 14:56:38	2024-06-07 14:56:38 GET /?p=index 200 Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/125.0.0.0 Safari/537.36
7	2024-06-07 13:46:04	2024-06-07 13:46:04 POST / 200 Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/81.0.4044.129 Safari/537.36
8	2024-06-07 12:33:29	2024-06-07 12:33:29 GET / 200 Mozilla/5.0 (iPhone; CPU iPhone OS 15_0_2 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/15.0 Mobile/15E148 Safari/604.1
9	2024-06-07 10:12:58	2024-06-07 10:12:58 GET / 200 Mozilla/4.0 (compatible; MSIE 9.0; Windows NT 10.0; .NET4.0C; .NET4.0E; .NET CLR 2.0.50727; .NET CLR 3.0.30729; .NET CLR 3.5.30729)
10	2024-06-07 10:12:56	2024-06-07 10:12:56 GET / 200 Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.0.0 Safari/537.36