1. Users

Stores information about your customers.

Columns:

- `id` (Primary Key, auto-increment)
- `name` (Full Name)
- `email` (Unique, for login)
- `password` (Encrypted)
- `phone` (Contact number)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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2. Domains

Stores information about registered and available domains.

Columns:

- `id` (Primary Key, auto-increment)
- `name` (e.g., "example.com")
- `status` (Enum: `available`, `registered`, `pending_renewal`, `expired`)
- `user_id` (Foreign Key to `Users` table, nullable for unregistered domains)
- `price` (Decimal, cost for purchasing/renewing)
- `registration_date` (Timestamp, nullable)
- `expiry_date` (Timestamp, nullable)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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3. Domain Extensions

Stores information about the TLDs (e.g., `.com`, `.net`, `.org`).

Columns:

- `id` (Primary Key, auto-increment)
- `extension` (e.g., `.com`, `.org`)
- `registration_fee` (Decimal, price for new registrations)
- `renewal_fee` (Decimal, price for renewals)
- `transfer_fee` (Decimal, price for domain transfers)

- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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4. DNS Records

Stores DNS configurations for domains.

Columns:

- `id` (Primary Key, auto-increment)
- `domain_id` (Foreign Key to `Domains` table)
- `record_type` (Enum: `A`, `AAAA`, `CNAME`, `MX`, `TXT`, etc.)
- `name` (e.g., `www`, `mail`, or `@` for root)
- `value` (e.g., IP address, domain, or other record-specific values)
- `ttl` (Integer, time-to-live)
- `priority` (Integer, for `MX` records, nullable)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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5. Transactions

Logs financial transactions, including domain purchases, renewals, or other services.

Columns:

- `id` (Primary Key, auto-increment)
- `user_id` (Foreign Key to `Users` table)
- `domain_id` (Foreign Key to `Domains` table, nullable)
- `amount` (Decimal, transaction amount)
- `transaction_type` (Enum: `registration`, `renewal`, `transfer`, `refund`)
- `status` (Enum: `pending`, `completed`, `failed`)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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6. Domain Ownership History

Tracks changes in domain ownership over time.

Columns:

- `id` (Primary Key, auto-increment)
- `domain_id` (Foreign Key to `Domains` table)
- `user_id` (Foreign Key to `Users` table)
- `ownership_start` (Timestamp)
- `ownership_end` (Timestamp, nullable for current owner)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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7. Domain Transfers

Handles domain transfers between users or registrars.

Columns:

- `id` (Primary Key, auto-increment)
- `domain_id` (Foreign Key to `Domains` table)
- `old_user_id` (Foreign Key to `Users` table, nullable for external transfer)
- `new_user_id` (Foreign Key to `Users` table)
- `transfer_status` (Enum: `initiated`, `pending`, `completed`, `failed`)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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8. Support Tickets

For customer support and issue tracking.

Columns:

- `id` (Primary Key, auto-increment)
- `user_id` (Foreign Key to `Users` table)
- `subject` (Short description of the issue)
- `message` (Detailed explanation)
- `status` (Enum: `open`, `in_progress`, `resolved`, `closed`)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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9. Notifications

Stores notifications for users about domain expiry, renewals, etc.

Columns:

- `id` (Primary Key, auto-increment)
- `user_id` (Foreign Key to `Users` table)
- `message` (Notification text)
- `status` (Enum: `unread`, `read`)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)

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10. WHOIS Data

Stores public WHOIS information for domains.

Columns:

- `id` (Primary Key, auto-increment)
- `domain_id` (Foreign Key to `Domains` table)
- `registrant_name` (Name of the registrant)
- `registrant_email` (Email of the registrant)
- `registrant_phone` (Phone number)
- `registrant_address` (Full address)
- `created_at` (Timestamp)
- `updated_at` (Timestamp)