

Database Schema for Sellix:

Tables:

- **users:** Central user management table with authentication details and personal information
 - Contains admin flag to identify administrative users
 - Stores password hashes securely, not plain text
 - Enforces unique usernames and emails
- **sellers:** Represents merchant accounts linked to users
 - Each seller has a customizable shop with name, description, and branding
 - Commission rate tracks platform fees (default 5%)
 - One user can have one seller account (one-to-one relationship)
- **categories:** Hierarchical product categorization system
 - Self-referencing parent_id allows for nested category structure
 - Categories can have subcategories (parent-child relationship)
- **products:** Core product catalog
 - Each product belongs to one seller and one category
 - Includes inventory management (stock_quantity)
 - Supports regular and discounted pricing
 - Uses indexes for optimized searching
- **product_images:** Stores multiple images per product
 - Allows flagging a primary product image
- **reviews:** Customer product feedback system
 - Rating constraint ensures values between 1-5
 - Links both to products and users
- **orders:** Customer purchase records
 - Tracks payment and delivery status with enum types
 - Stores total purchase amount and shipping details
- **order_items:** Individual products within an order
 - Links to the specific seller for each item
 - Stores price at time of purchase (important for historical accuracy)

- **cart:** Shopping cart functionality

- Prevents duplicate products with unique constraint
- Temporary storage before order creation

- **pages:** Custom content pages for seller shops

Allows sellers to create informational pages

Uses slugs for private URLs

