

-- 1. USERS

```
CREATE TABLE users (
    user_id INT AUTO_INCREMENT PRIMARY KEY,
    first_name VARCHAR(50) NOT NULL,
    last_name VARCHAR(50) NOT NULL,
    email VARCHAR(100) UNIQUE NOT NULL,
    password VARCHAR(255) NOT NULL,
    phone VARCHAR(20),
    role ENUM('customer','admin') DEFAULT 'customer',
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB;
```

-- 2. ADDRESSES

```
CREATE TABLE addresses (
    address_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT NOT NULL,
    address_line1 VARCHAR(255) NOT NULL,
    address_line2 VARCHAR(255),
    city VARCHAR(100) NOT NULL,
    province VARCHAR(100),
    postal_code VARCHAR(20),
    country VARCHAR(50) DEFAULT 'South Africa',
    is_default BOOLEAN DEFAULT FALSE,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE
) ENGINE=InnoDB;
```

-- 3. CATEGORIES

```
CREATE TABLE categories (
    category_id INT AUTO_INCREMENT PRIMARY KEY,
    category_name VARCHAR(100) NOT NULL
) ENGINE=InnoDB;
```

-- 4. PRODUCTS

```
CREATE TABLE products (
    product_id INT AUTO_INCREMENT PRIMARY KEY,
    category_id INT,
    name VARCHAR(150) NOT NULL,
    description TEXT,
    size VARCHAR(20),
    color VARCHAR(50),
    price DECIMAL(10,2) NOT NULL,
    image VARCHAR(255),
    stock INT DEFAULT 0,
    is_rental BOOLEAN DEFAULT FALSE,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (category_id) REFERENCES categories(category_id) ON DELETE SET
    NULL
) ENGINE=InnoDB;
```

-- 5. PRODUCT MEASUREMENTS

```
CREATE TABLE product_measurements (
    measurement_id INT AUTO_INCREMENT PRIMARY KEY,
    product_id INT NOT NULL,
    size_label VARCHAR(20) NOT NULL,
    bust DECIMAL(5,2),
```

```
waist DECIMAL(5,2),  
hips DECIMAL(5,2),  
length DECIMAL(5,2),  
FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE CASCADE  
) ENGINE=InnoDB;
```

-- 6. INVENTORY

```
CREATE TABLE inventory (  
inventory_id INT AUTO_INCREMENT PRIMARY KEY,  
product_id INT NOT NULL,  
stock_quantity INT NOT NULL DEFAULT 0,  
location VARCHAR(100) DEFAULT 'Main Store',  
available BOOLEAN DEFAULT TRUE,  
last_updated TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE  
CURRENT_TIMESTAMP,  
FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE CASCADE  
) ENGINE=InnoDB;
```

-- 7. CUSTOM ORDERS

```
CREATE TABLE custom_orders (  
custom_order_id INT AUTO_INCREMENT PRIMARY KEY,  
user_id INT NOT NULL,  
description TEXT,  
fabric_preference VARCHAR(255) NULL,  
budget DECIMAL(10,2) NULL,  
status ENUM('pending','in_consultation','in_progress','completed','cancelled') DEFAULT  
'pending',  
bust DECIMAL(5,2),  
waist DECIMAL(5,2),
```

```
    hips DECIMAL(5,2),  
    height DECIMAL(5,2),  
    sleeve_length DECIMAL(5,2),  
    shoulder_width DECIMAL(5,2),  
    notes TEXT,  
    image_url VARCHAR(255) NOT NULL,  
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    updated_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE  
CURRENT_TIMESTAMP,  
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE  
) ENGINE=InnoDB;
```

-- 8. CART

```
CREATE TABLE cart (  
    cart_id INT AUTO_INCREMENT PRIMARY KEY,  
    user_id INT NOT NULL,  
    product_id INT NOT NULL,  
    quantity INT DEFAULT 1,  
    added_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE,  
    FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE CASCADE  
) ENGINE=InnoDB;
```

-- 9. ORDERS

```
CREATE TABLE orders (  
    order_id INT AUTO_INCREMENT PRIMARY KEY,  
    user_id INT NOT NULL,  
    total_amount DECIMAL(10,2) NOT NULL,
```

```
payment_status ENUM('pending','paid','failed') DEFAULT 'pending',
delivery_method ENUM('collection','delivery') DEFAULT 'collection',
order_status ENUM('pending','processing','completed','cancelled') DEFAULT 'pending',
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE
) ENGINE=InnoDB;
```

-- 10. ORDER ITEMS

```
CREATE TABLE order_items (
order_item_id INT AUTO_INCREMENT PRIMARY KEY,
order_id INT NOT NULL,
product_id INT NOT NULL,
quantity INT NOT NULL,
price DECIMAL(10,2) NOT NULL,
FOREIGN KEY (order_id) REFERENCES orders(order_id) ON DELETE CASCADE,
FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE CASCADE
) ENGINE=InnoDB;
```

-- 11. BOOKINGS

```
CREATE TABLE bookings (
booking_id INT AUTO_INCREMENT PRIMARY KEY,
product_id INT NOT NULL,
user_id INT NOT NULL,
start_date DATE NOT NULL,
end_date DATE NOT NULL,
status ENUM('booked','returned','cancelled') DEFAULT 'booked',
late_fee DECIMAL(10,2) DEFAULT 0,
damage_fee DECIMAL(10,2) DEFAULT 0,
```

```
penalty_status ENUM('none','pending','paid') DEFAULT 'none',
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE CASCADE,
FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE
) ENGINE=InnoDB;
```

-- 12. PAYMENTS

```
CREATE TABLE payments (
payment_id INT AUTO_INCREMENT PRIMARY KEY,
order_id INT NOT NULL,
method ENUM('pay_in_store','payfast','bank_transfer') NOT NULL,
amount DECIMAL(10,2) NOT NULL,
payment_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
status ENUM('pending','successful','failed') DEFAULT 'pending',
FOREIGN KEY (order_id) REFERENCES orders(order_id) ON DELETE CASCADE
) ENGINE=InnoDB;
```

-- 13. DELIVERY

```
CREATE TABLE delivery (
delivery_id INT AUTO_INCREMENT PRIMARY KEY,
order_id INT NOT NULL,
courier VARCHAR(100),
tracking_number VARCHAR(100),
delivery_address VARCHAR(255),
delivery_status ENUM('pending','shipped','delivered','failed') DEFAULT 'pending',
delivered_at TIMESTAMP NULL,
FOREIGN KEY (order_id) REFERENCES orders(order_id) ON DELETE CASCADE
```

```
) ENGINE=InnoDB;
```

```
-- 14. REVIEWS
```

```
CREATE TABLE reviews (
    review_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT NOT NULL,
    product_id INT NOT NULL,
    rating INT CHECK (rating >=1 AND rating <=5),
    comment TEXT,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE,
    FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE CASCADE
) ENGINE=InnoDB;
```

```
-- 15. GALLERY
```

```
CREATE TABLE gallery (
    image_id INT AUTO_INCREMENT PRIMARY KEY,
    product_id INT NULL,
    custom_order_id INT NULL,
    image_url VARCHAR(255) NOT NULL,
    is_primary BOOLEAN DEFAULT FALSE,
    uploaded_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE
    CASCADE,
    FOREIGN KEY (custom_order_id) REFERENCES custom_orders(custom_order_id) ON
    DELETE CASCADE
) ENGINE=InnoDB;
```

```
-- 16. WISHLIST
```

```
CREATE TABLE wishlist (
    wishlist_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT NOT NULL,
    product_id INT NOT NULL,
    added_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE,
    FOREIGN KEY (product_id) REFERENCES products(product_id) ON DELETE CASCADE
) ENGINE=InnoDB;
```

-- 17. MESSAGES (/inquiries)

```
CREATE TABLE messages (
    message_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT NULL,
    name VARCHAR(100),
    phone VARCHAR(20),
    message TEXT NOT NULL,
    channel ENUM('whatsapp','contact_form') DEFAULT 'whatsapp',
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE SET NULL
) ENGINE=InnoDB;
```

-- 18. AUDIT LOG

```
CREATE TABLE audit_log (
    log_id INT AUTO_INCREMENT PRIMARY KEY,
    user_id INT,
    action VARCHAR(255) NOT NULL,
    details TEXT,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
```

```
FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE SET NULL  
) ENGINE=InnoDB;
```

-- 19. SETTINGS

```
CREATE TABLE settings (  
    setting_id INT AUTO_INCREMENT PRIMARY KEY,  
    setting_key VARCHAR(100) UNIQUE NOT NULL,  
    setting_value VARCHAR(255) NOT NULL  
) ENGINE=InnoDB;
```

-- 20. PENALTIES

```
CREATE TABLE penalties (  
    penalty_id INT AUTO_INCREMENT PRIMARY KEY,  
    booking_id INT NOT NULL,  
    type ENUM('late_return','damage') NOT NULL,  
    amount DECIMAL(10,2) NOT NULL,  
    status ENUM('pending','paid') DEFAULT 'pending',  
    notes TEXT,  
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN KEY (booking_id) REFERENCES bookings(booking_id) ON DELETE CASCADE  
) ENGINE=InnoDB;
```

-- 21. NOTIFICATIONS (in-app alerts)

```
CREATE TABLE notifications (  
    notification_id INT AUTO_INCREMENT PRIMARY KEY,  
    user_id INT NOT NULL,  
    message TEXT NOT NULL,  
    type ENUM('order','custom_order','booking','system') DEFAULT 'system',
```

```
    is_read BOOLEAN DEFAULT FALSE,  
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN KEY (user_id) REFERENCES users(user_id) ON DELETE CASCADE  
) ENGINE=InnoDB;
```

```
CREATE TABLE blog_posts (  
    post_id INT AUTO_INCREMENT PRIMARY KEY,  
    title VARCHAR(200),  
    slug VARCHAR(200) UNIQUE,  
    body TEXT,  
    author_id INT,  
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
    updated_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE  
    CURRENT_TIMESTAMP,  
    FOREIGN KEY (author_id) REFERENCES users(user_id)  
) ENGINE=InnoDB;
```