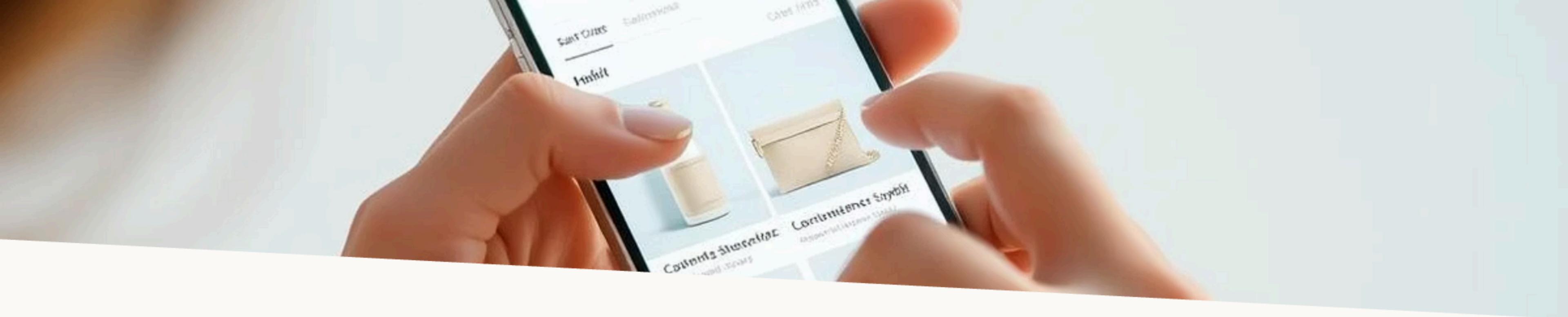




# Final Project: UX/UI designed and Database Structure Overviewed to Real product.

Exploring frontend,  
Backend,  
and Database design for a shop platform

Team Members:  
Senghout  
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# Frontend Overview: End User Experience

## Homepage

Dynamic product display, responsive design

## Events Page, Event view.

Detailed info, images, reviews, add to cart

## Checkout Flow

Secure, simple steps, multiple payment options

# Backend Overview: Administrator and Owner

## Order Management

View, update, and process customer orders

## Inventory Control

Track tickets.

## User Management

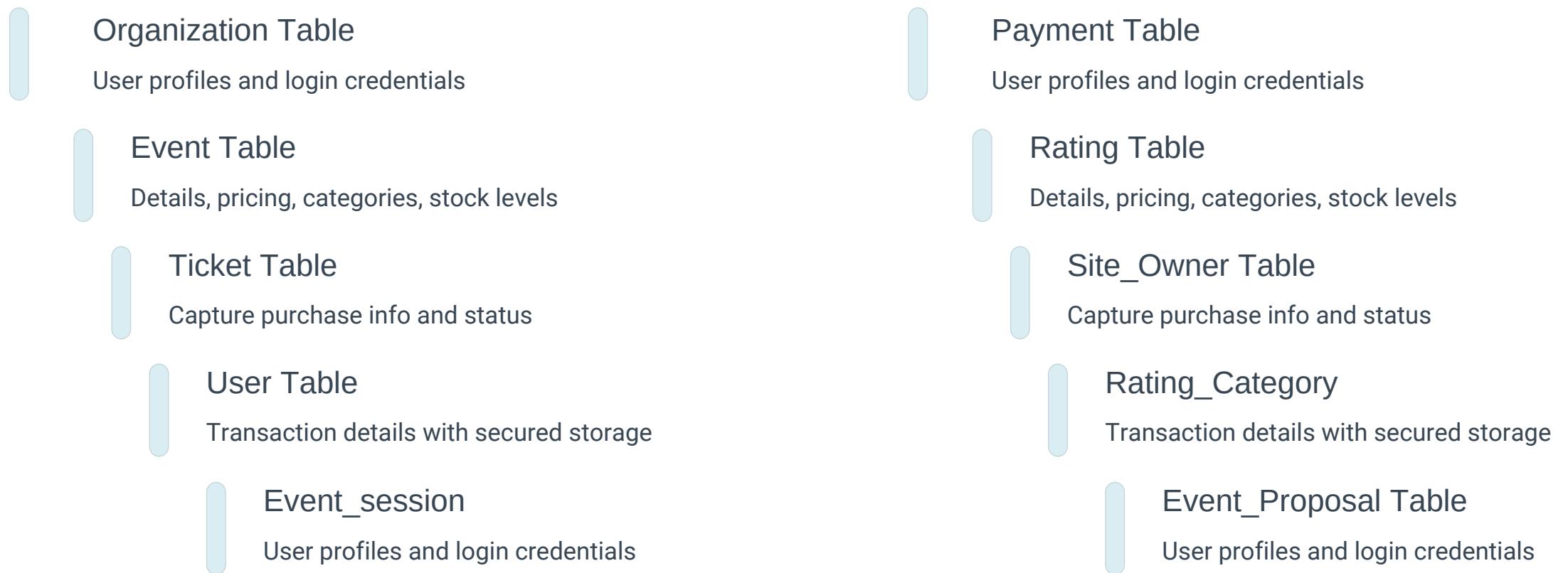
Roles, permissions, access levels

## Reports

Sales, traffic, and performance analytics

# Database Structure: SQL

## Table Design



# SQL Export: Structured Data for Integration

## Consistency

Ensures data integrity for frontend/backend

## Ease of Migration

Simplifies backups and environment setup

## Scalability

Supports future feature additions

# Technology Stack that we Used

## Frontend

- React for UI components
- Responsive CSS frameworks
- REST API integration
- Nuxt.js

## Backend

- Node.js with Express
- Authentication and session handling
- Admin dashboard

## Database

- PostgreSQL relational design
- Normalized tables and indexing
- SQL export and backup tools

# Key Takeaways & Next Steps



- Finalize Backend Logic  
Test database queries and admin features
- Enhance Frontend UI  
Improve responsiveness and accessibility
- Prepare Documentation  
Generate PDFs and share with stakeholders
- Plan for User Testing  
Gather feedback to refine design

