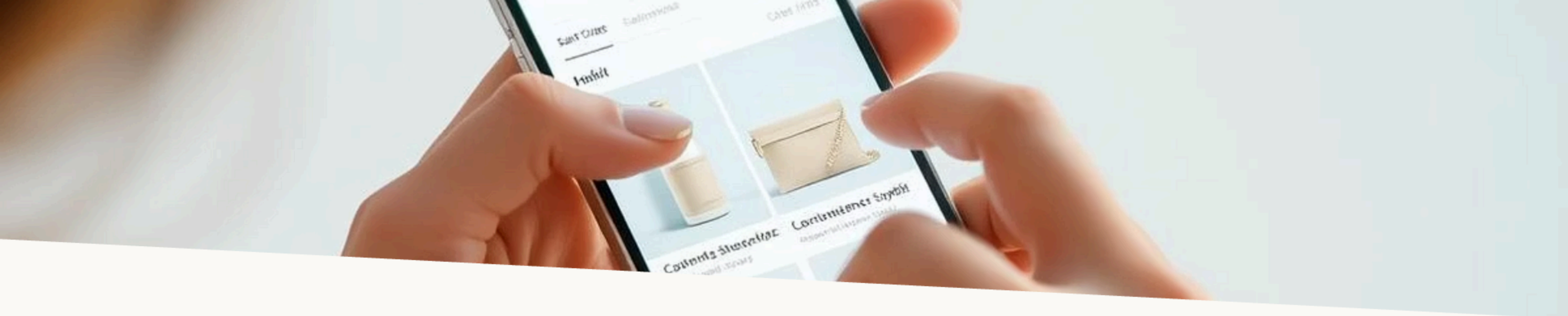
A laptop sits on a white desk in a bright room with large windows. The laptop screen displays lines of code in a dark-themed editor. To the left of the laptop, there are some papers with sketches and a pen. In the background, a small potted plant with green leaves is visible on the desk.

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
SaparAli
Manil



Frontend Overview: End User Experience

Homepage

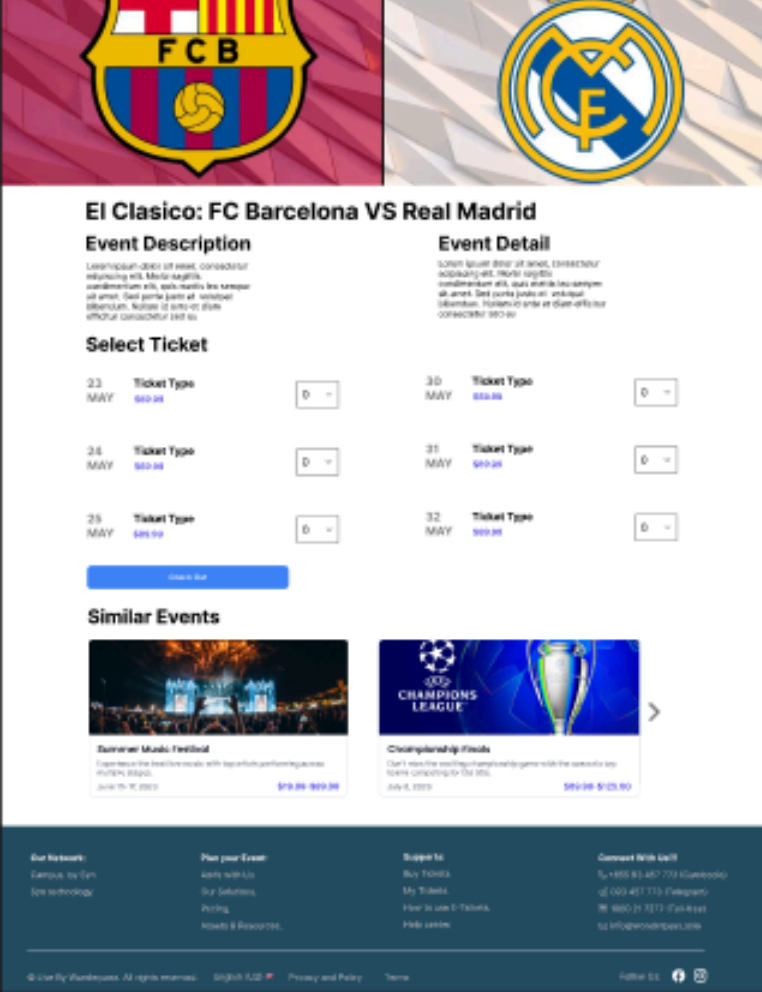
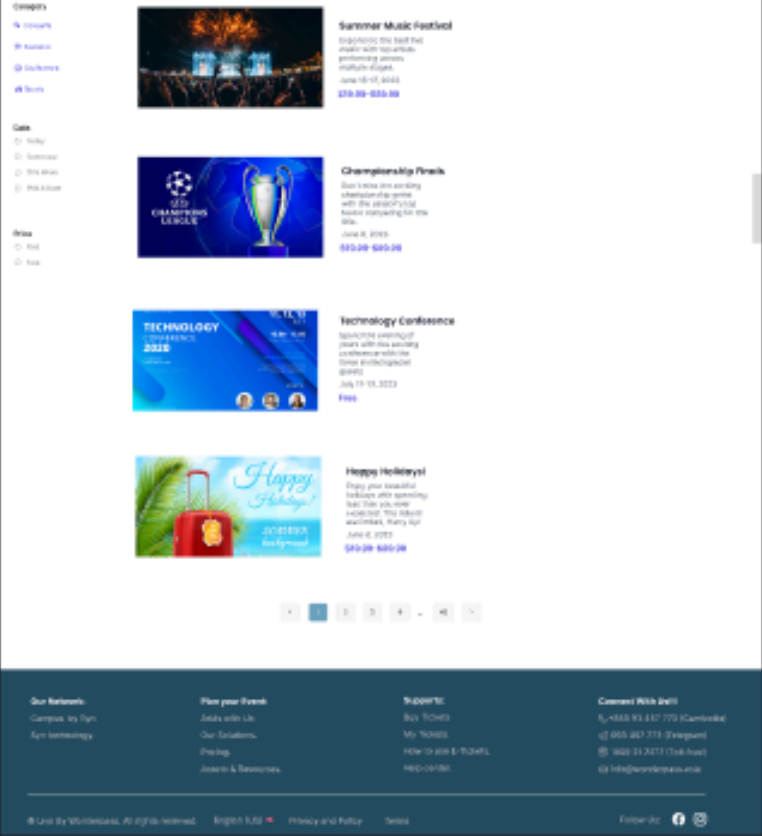
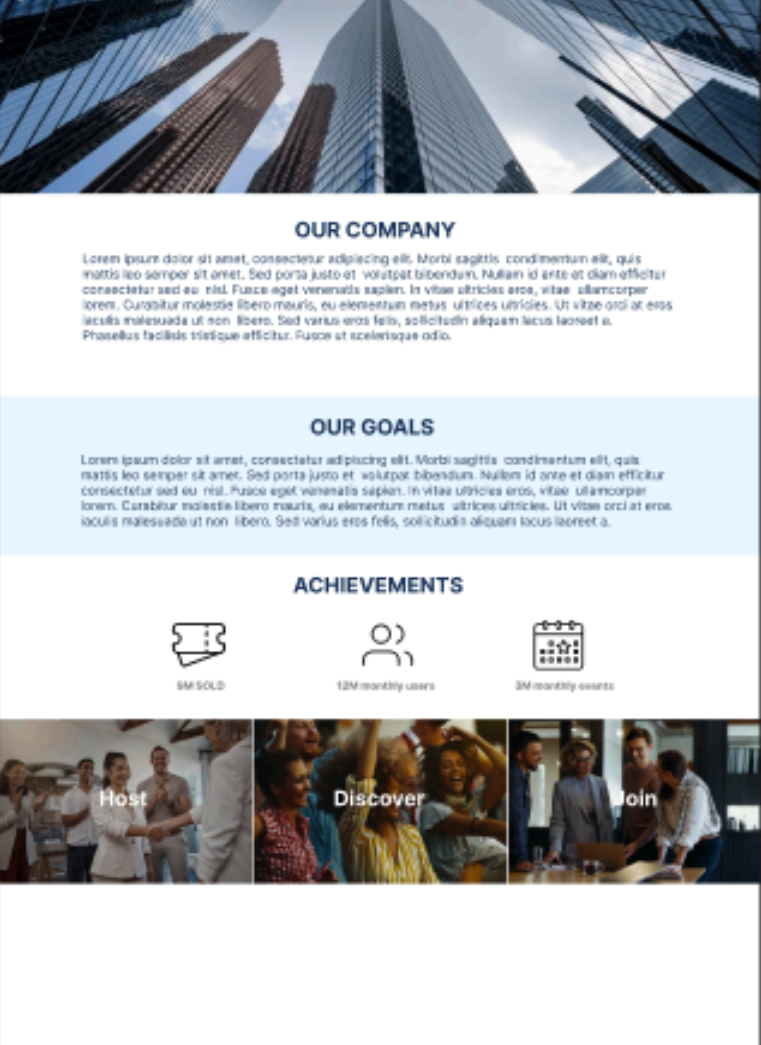
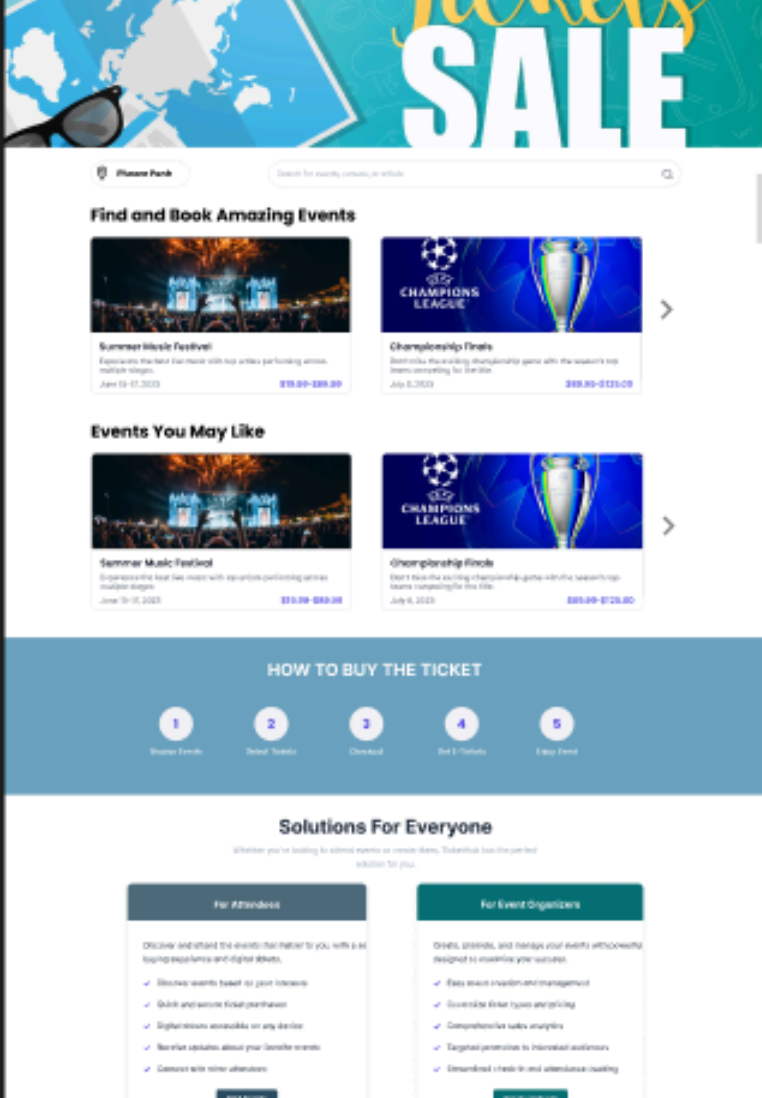
Dynamic product display, responsive design

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



User Management

Roles, permissions, access levels



Inventory Control

Track tickets.

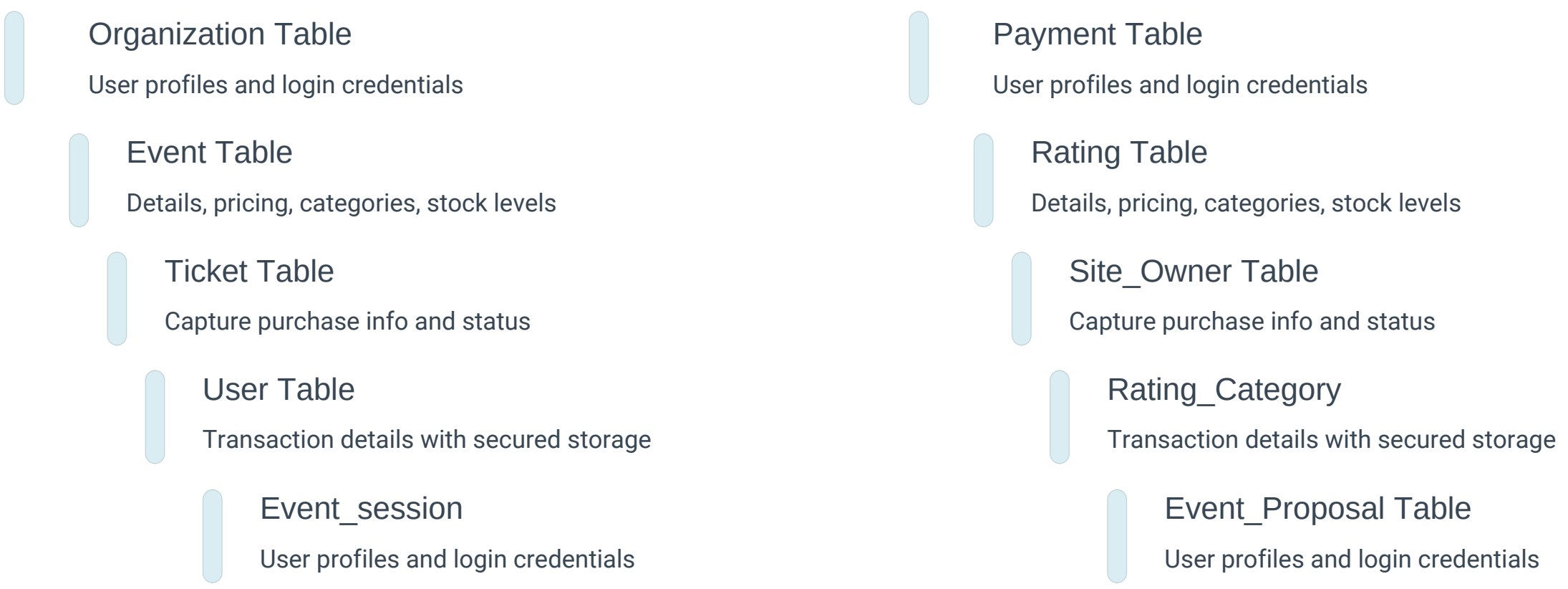


Reports

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

1

Finalize Backend Logic

Test database queries and admin features

2

Enhance Frontend UI

Improve responsiveness and accessibility

3

Prepare Documentation

Generate PDFs and share with stakeholders

4

Plan for User Testing

Gather feedback to refine design

