KCT Menswear Ecosystem - Complete Business Management Platform

🏢 Overview

A comprehensive business management platform for KCT Menswear, featuring modular applications for different business functions - from inventory management to wedding coordination.

📱 Applications

1. Admin Hub (`apps/admin-hub`)

Primary Business Dashboard
- Complete business overview and analytics
- User management and permissions
- System configuration and settings
- Integration hub for all other applications

Deploy to: `admin.kctmenswear.com`

2. Inventory Manager (`apps/inventory-manager`)

Advanced Inventory Control System
- Size-specific inventory tracking (suits, shirts, accessories)
- Real-time stock updates and alerts
- Bulk inventory operations
- Export and reporting capabilities

Deploy to: `inventory.kctmenswear.com`

3. Wedding Portal (`apps/wedding-portal`)

Wedding Management Platform
- Wedding timeline and milestone tracking
- Couple communication center
- Outfit coordination and planning
- Wedding party management

Deploy to: `wedding.kctmenswear.com`

4. Groomsmen Portal (`apps/groomsmen-portal`)

Groomsmen-Specific Interface
- Individual groomsmen dashboards
- Measurement submission system
- Outfit selection and approvals
- Timeline and communication tools

Deploy to: `groomsmen.kctmenswear.com`

5. Order Management (`apps/order-management`)

Order Processing Dashboard
- Order lifecycle management
- Payment processing integration
- Shipping and fulfillment tracking
- Customer communication

Deploy to: `orders.kctmenswear.com`

6. User Profiles (`apps/user-profiles`)

Customer Profile Management
- Enhanced customer profiles
- Measurement history and tracking
- Preference management
- Order history and analytics

Deploy to: `profiles.kctmenswear.com`

🚀 Quick Start

Prerequisites

- Node.js 18+

- npm or pnpm

- Supabase account

- Vercel account (for deployment)

Development Setup

```
# Clone the repository
git clone https://github.com/IbrahimAyad/max-out-admin.git
cd max-out-admin


# Install dependencies for all apps
npm run install:all


# Start development server for specific app
npm run dev:admin      # Admin Hub
npm run dev:inventory  # Inventory Manager
npm run dev:wedding    # Wedding Portal
npm run dev:groomsmen  # Groomsmen Portal
npm run dev:orders     # Order Management
npm run dev:profiles   # User Profiles
```

Production Build

```
# Build all applications
npm run build:all


# Build specific application
npm run build:admin
npm run build:inventory
# etc.
```

🏗️ Architecture

Tech Stack

- **Frontend:** React 18 + TypeScript + Vite
- **Backend:** Supabase (Database, Auth, Storage, Edge Functions)
- **Styling:** Tailwind CSS + shadcn/ui components
- **State Management:** React Query + Zustand
- **Deployment:** Vercel with custom subdomains

Monorepo Structure

```
kct-ecosystem/
├── apps/
│   ├── admin-hub/          # Main business dashboard
│   ├── inventory-manager/  # Inventory management
│   ├── wedding-portal/     # Wedding management
│   ├── groomsmen-portal/   # Groomsmen interface
│   ├── order-management/   # Order processing
│   └── user-profiles/      # Customer profiles
├── shared/
│   ├── components/          # Shared React components
│   ├── utils/              # Shared utilities
│   ├── types/              # TypeScript types
│   ├── hooks/              # Custom React hooks
│   └── constants/          # App constants
├── docs/                   # Documentation
└── deployment/             # Deployment configs
```

🌐 Deployment

Vercel Setup

Each application deploys to its own subdomain:

1. **admin.kctmenswear.com** - Admin Hub

2. **inventory.kctmenswear.com** - Inventory Manager

3. **wedding.kctmenswear.com** - Wedding Portal

4. **groomsmen.kctmenswear.com** - Groomsmen Portal

5. **orders.kctmenswear.com** - Order Management

6. **profiles.kctmenswear.com** - User Profiles

Environment Variables

Each app requires:

```
VITE_SUPABASE_URL=your_supabase_url
VITE_SUPABASE_ANON_KEY=your_supabase_anon_key
```

📊 Database Schema

Shared Tables

- `users` - User accounts and authentication
- `profiles` - Extended user profile information
- `products` - Product catalog
- `product_variants` - Size/color variations
- `orders` - Order management
- `weddings` - Wedding information
- `wedding_parties` - Wedding party members

🔧 Development Workflow

Adding New Features

1. Identify which app the feature belongs to
2. Create feature branch: `feature/app-name/feature-description`
3. Develop in the appropriate app directory
4. Test locally using dev scripts
5. Create pull request for review

Deploying Updates

1. Build the specific app: `npm run build:appname`

2. Push changes to main branch

3. Vercel automatically deploys to respective subdomain

4. Verify deployment on live URL

📚 Documentation

- Admin Hub Documentation

- Inventory Management Guide

- Wedding Portal Manual

- Deployment Guide

- API Documentation

🤝 Contributing

1. Fork the repository

2. Create your feature branch

3. Commit your changes

4. Push to the branch

5. Create a Pull Request

📞 Support

For technical support or feature requests, please contact the development team.

📄 License

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Built with ❤️ by MiniMax Agent for KCT Menswear