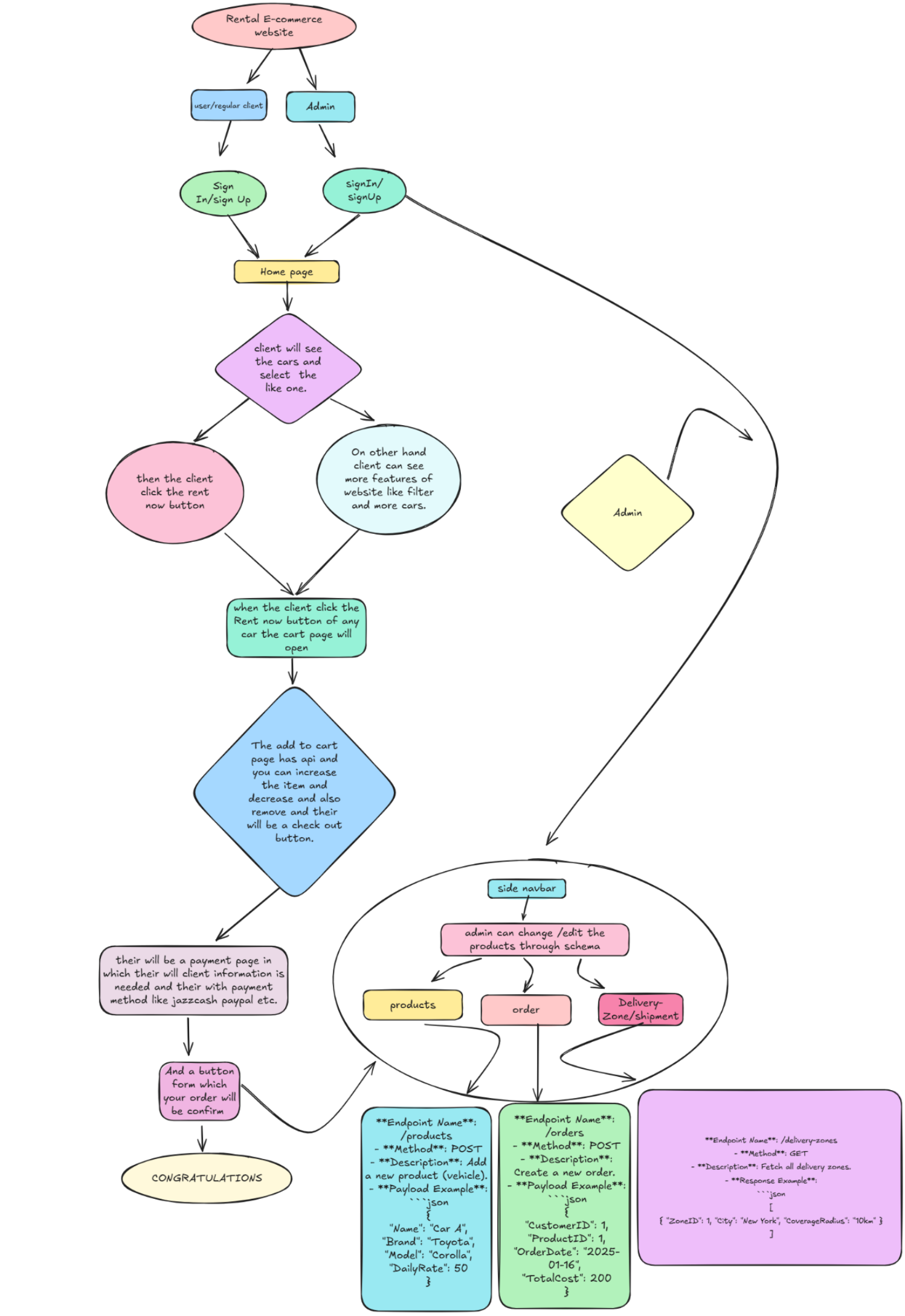
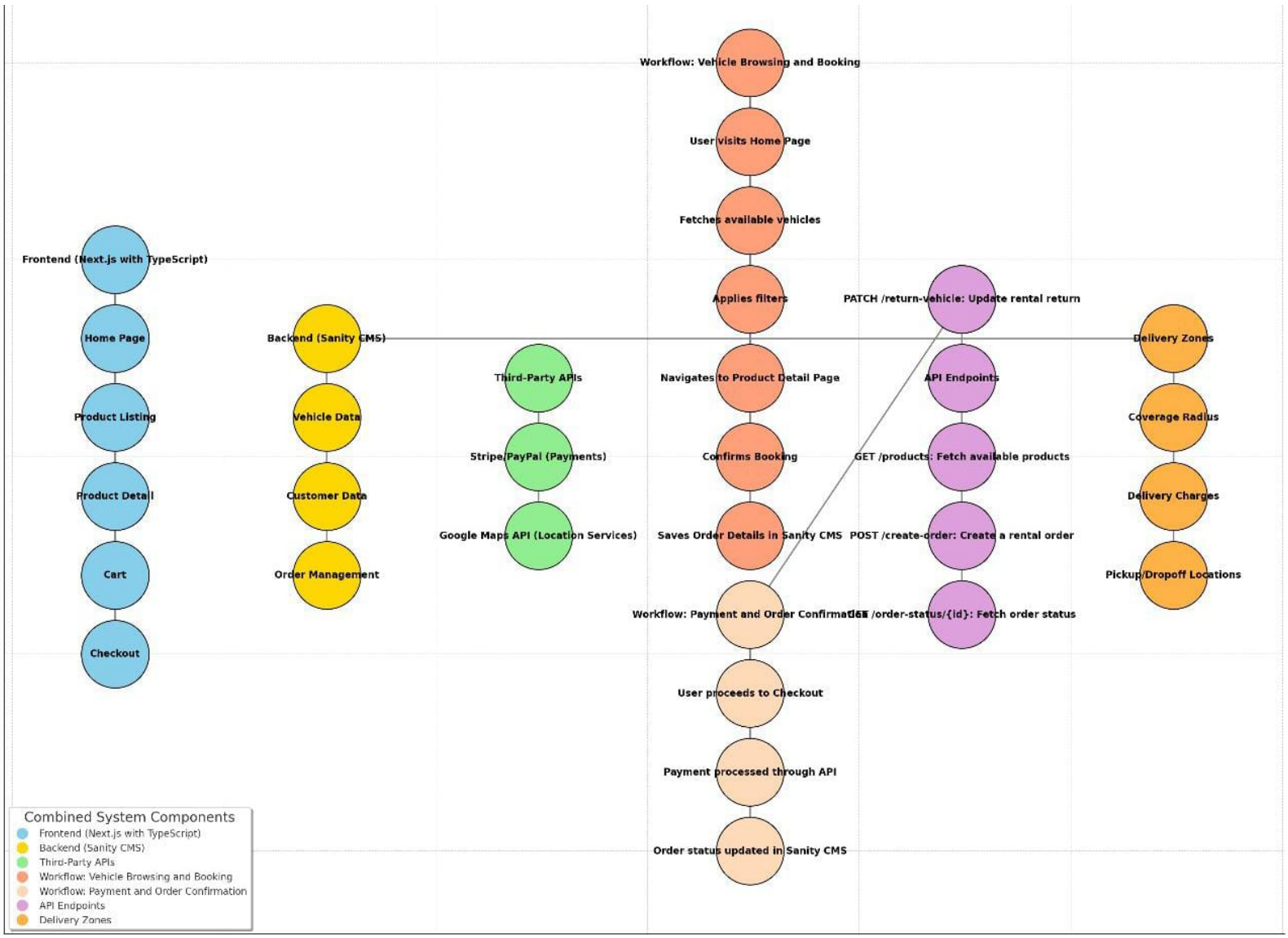
Marketplace Technical Foundation - Rental E-Commerce Marketplace




Workflow: Vehicle Browsing and Booking
User visits Home Page
Fetches available vehicles
Applies filters
Navigates to Product Detail Page
Confirms Booking
Saves Order Details in Sanity CMS
Workflow: Payment and Order Confirmation
User proceeds to Checkout
Payment processed through API
Order status updated in Sanity CMS
Frontend (Next.js with TypeScript)
Home Page
Product Listing
Product Detail
Cart
Checkout
Backend (Sanity CMS)
Vehicle Data
Customer Data
Order Management
Third-Party APIs
Stripe/PayPal (Payments)
Google Maps API (Location Services)
PATCH /return-vehicle: Update rental return
API Endpoints
GET /products: Fetch available products
POST /create-order: Create a rental order
GET /order-status/{id}: Fetch order status
Delivery Zones
Coverage Radius
Delivery Charges
Pickup/Dropoff Locations
Combined System Components
Frontend (Next.js with TypeScript)
Backend (Sanity CMS)
Third-Party APIs
Workflow: Vehicle Browsing and Booking
Workflow: Payment and Order Confirmation
API Endpoints
Delivery Zones

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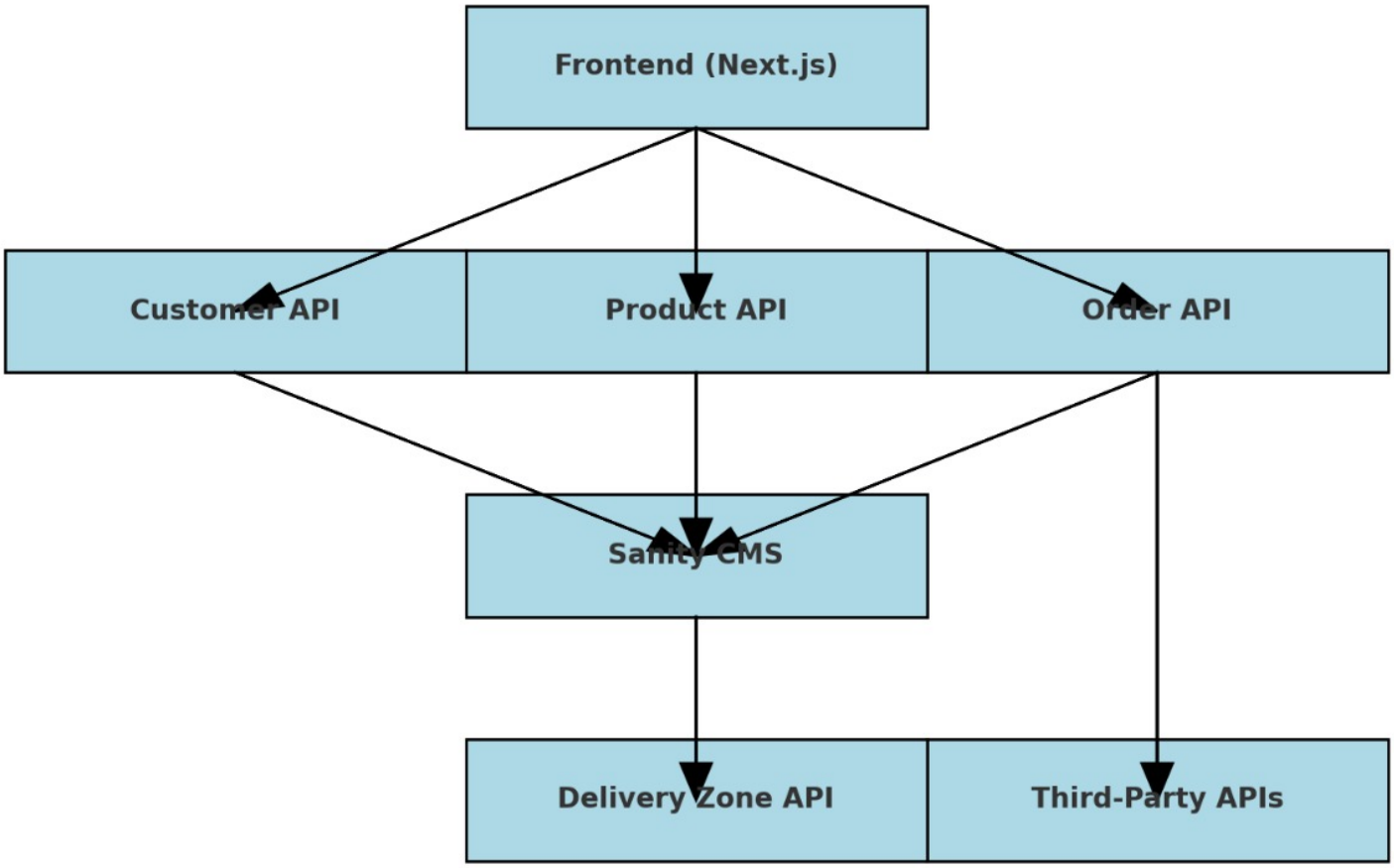
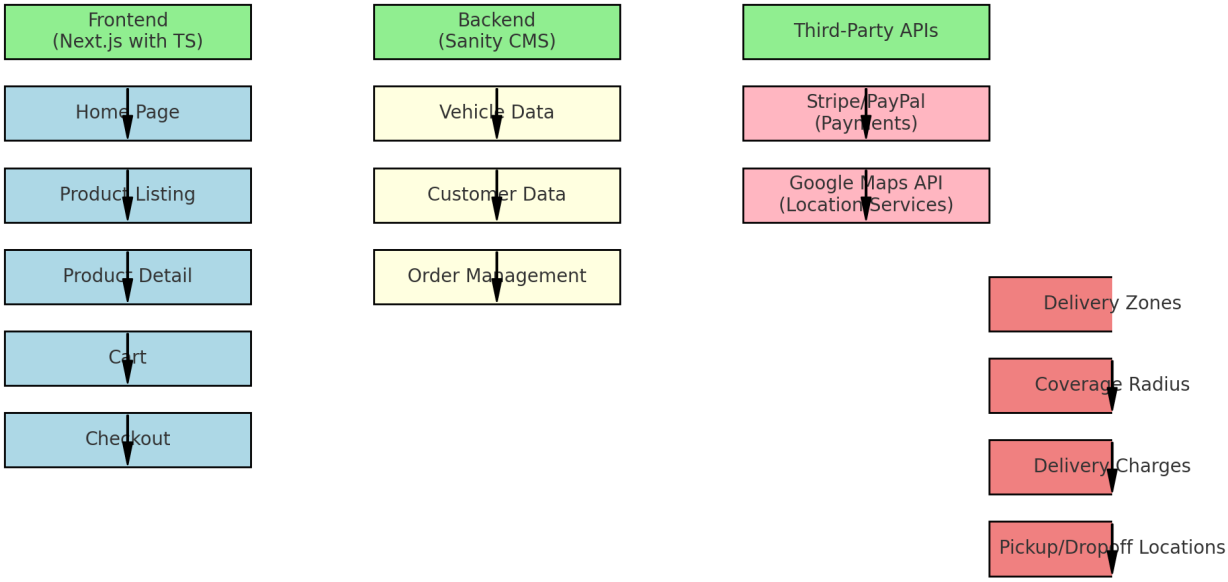
CAR RENTAL
Blowsia Cars
Vlew Car Recommenations
ADD TO CART
GPS
Insurance
PayPa
Insurance


Frontend (Next.js)
Customer API
Product API
Order API
Sanity CMS
Delivery Zone API
Third-Party APIs

User-Friendly Interface
Product Management
Order Processing
Payment Integration
Shipping and Delivery
User Management
Content Management
Analytics and Reporting
Security and Privacy
Scalability and Performance

Workflow Diagram - Rental E-Commerce Marketplace