

JANUARY 2025

Furniro

Marketplace Technical Foundation

PRESENTED BY:

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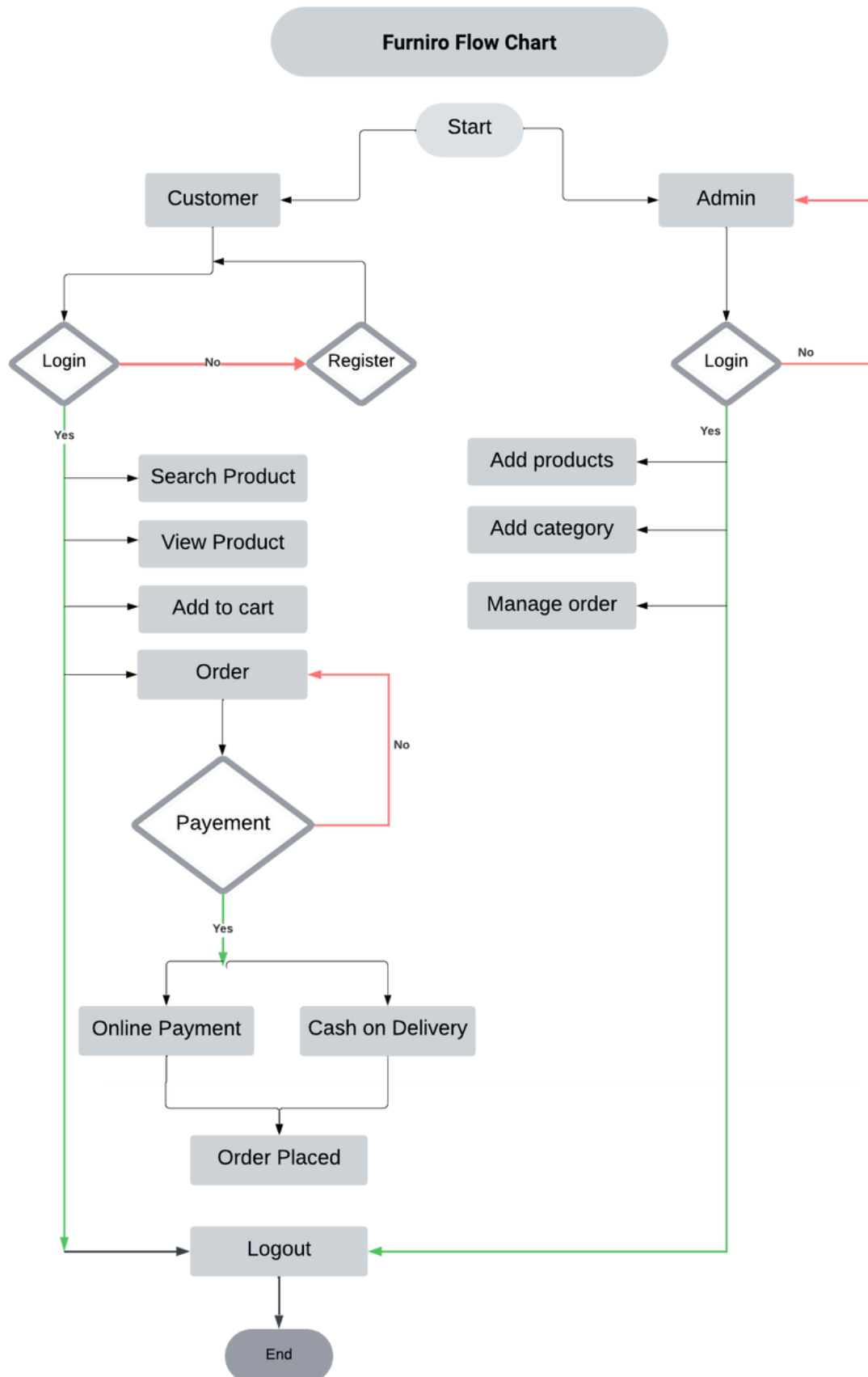
Overview

Furniro is a modern niche (general) e-commerce platform

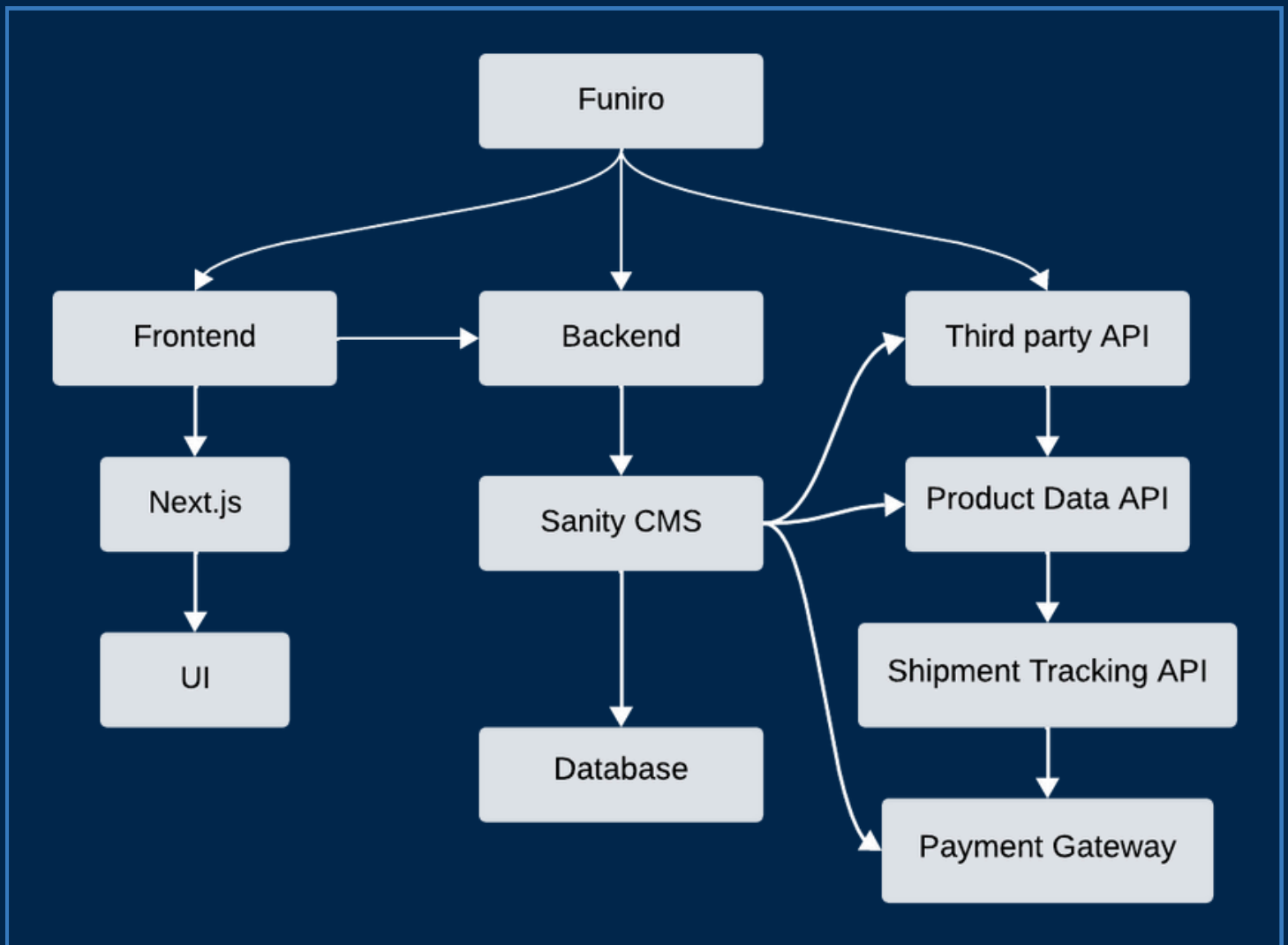
Furniro makes it easy for people to find stylish, high-quality furniture online without the hassle of visiting physical stores.

It offers a convenient platform with a curated collection, saving customers time and effort

Flow Chart



System Architecture:



Specifications

1. FRONTEND (USER INTERFACE)

- Tech Stack: Next.js for a smooth, interactive UI.
- Design: Minimalistic, elegant, and modern layout with easy navigation.
- Responsiveness: Fully optimized for mobile, tablet, and desktop.

2. BACKEND (SERVER & DATABASE)

- Third party API: API for .
- Database: Sanity CMS for managing product and user data.
- Authentication: Secure login and user account management.

3. PRODUCT MANAGEMENT

- Categories: Living Room, Bedroom, Office, Outdoor, etc.
- Filters & Sorting: Price range, material, style, best-sellers.
- Wishlist & Cart: Users can save and manage their favorite items.

4. ORDER & PAYMENT SYSTEM

- Order Processing: Add to cart, checkout, and track order status.
- Payment Integration: Stripe, PayPal, and Cash on Delivery (COD).
- Invoice Generation: Automated receipts for completed purchases.

5. SHIPPING & LOGISTICS

- Delivery Options: Standard, Express, and Same-Day Delivery.
- Real-time Tracking: Customers can track their orders live.
- Shipping Zones: Define serviceable areas and shipping rates.

6. CUSTOMER ENGAGEMENT & SUPPORT

- Reviews & Ratings: Customers can leave feedback on products.
- Live Chat & Support: AI-powered chatbot and customer support.
- Loyalty & Rewards: Discounts for repeat customers.

7. ADMIN DASHBOARD

- Product Management: Add, edit, or remove products.
- Order & Sales Tracking: View daily, weekly, and monthly reports.
- User Management: Monitor registered customers and their activities.

API Endpoints:

Based on data schema

Endpoint	Metod	Description	Response Example
/api/products	GET	Fetch all available products	{ "id": 1, "name": "Sofa", "price": 1200 }
/api/products/id	GET	Fetch a single product by ID	{ "id": 1, "name": "Sofa", "price": 1200 }
/api/products	POST	Add a new product (Admin only)	{ "success": true, "id": 5 }
/api/products/id	PUT	Update a product (Admin only)	{ "success": true }
/api/products/id	DELETE	Delete a product (Admin only)	{ "success": true }
/api/categories	GET	Fetch all product categories	{ "categories": ["Living Room", "Bedroom"] }
/api/cart	GET	Fetch cart items for a user	{ "items": [{ "id": 1, "name": "Sofa", "qty": 2 }] }
/api/cart/add	POST	Add an item to the cart	{ "success": true, "cartId": 10 }
/api/cart/:id	DELETE	Remove an item from the cart	{ "success": true }
/api/orders	POST	Place an order	{ "orderId": 123, "status": "Pending" }
/api/orders/:id	GET	Fetch order details	{ "orderId": 123, "status": "Shipped" }
/api/shipment/:id	GET	Track shipment status via third- party API	{ "shipmentId": 456, "status": "In Transit" }
/api/payments	POST	Process a payment	{ "paymentId": 789, "status": "Success" }

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