

# Structural Interface

## User Interface

My front-end will be based on Next.js and tailwind as they are one of the finest tools to use for making a better and responsive website

**Home-Page:** The main entry point, showcasing featured products and the latest deals.

**Product-Page:** Detailed information and images of a specific product, including reviews and ratings.

**Admin-Panel:** A secure area for administrators to manage products, orders, and user accounts.

**Cart-Section:** A summary of items added to the cart, with options to update quantities or remove items.

**Checkout:** The final step where customers provide shipping details, choose payment methods, and complete their purchase.

## Backend Management

I will be using **Sanity(CMS)** for backend data management because of it's affordability and easy to use features.

**Sanity(CMS):**Sanity is a flexible headless CMS for managing content across multiple platforms.

## APIS

I will be using some **API's** for making this an professional website.

**Shipment:** The process of transporting goods from the seller to the buyer.

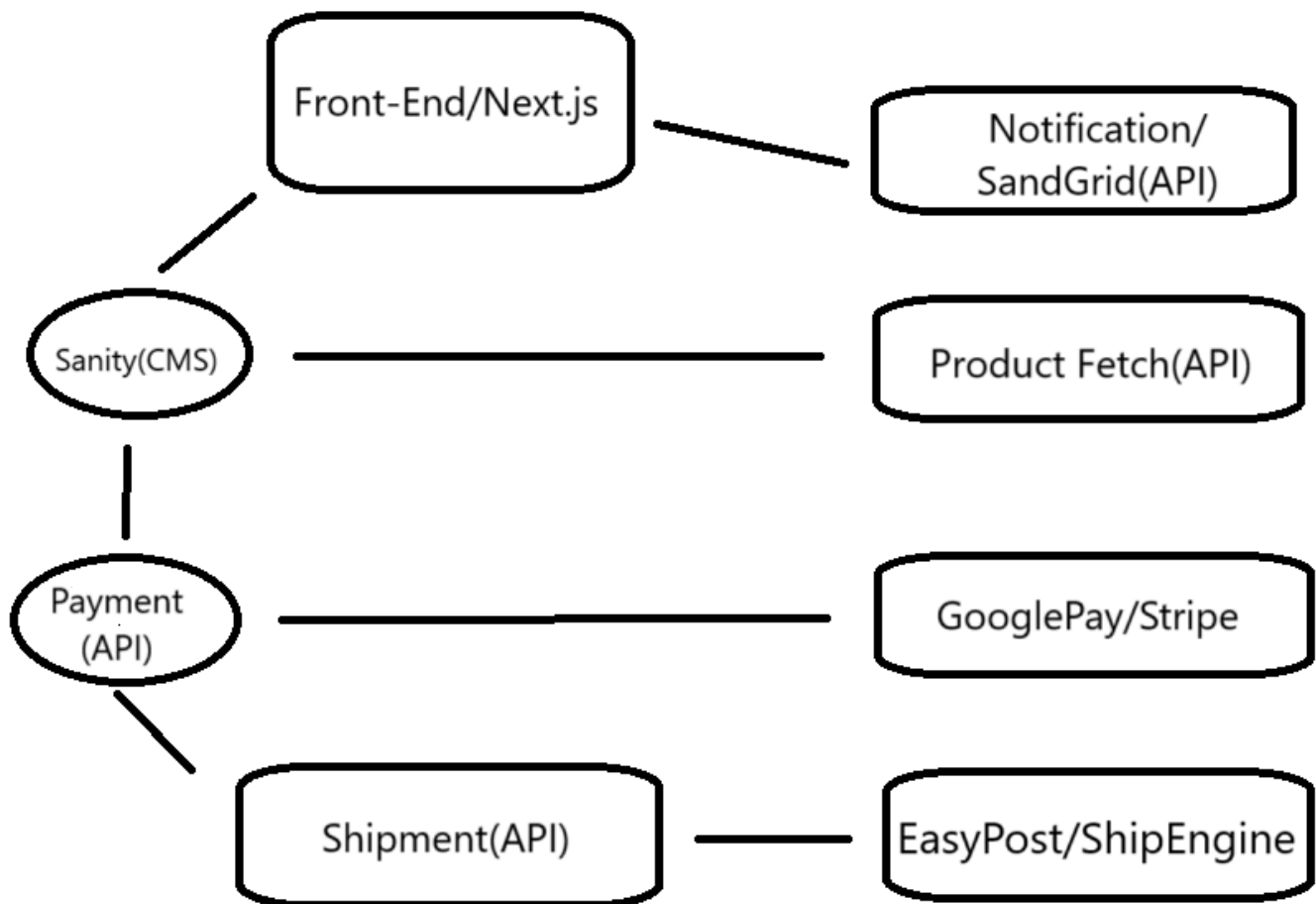
**Payment:** The transfer of money from the buyer to the seller to complete a purchase.

**Authorization:** The verification process that ensures a user's credentials or payment details are valid and secure.

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# Components

These are the components that I will be using in my website as depicted in the diagram.



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## Third-Party-API'S

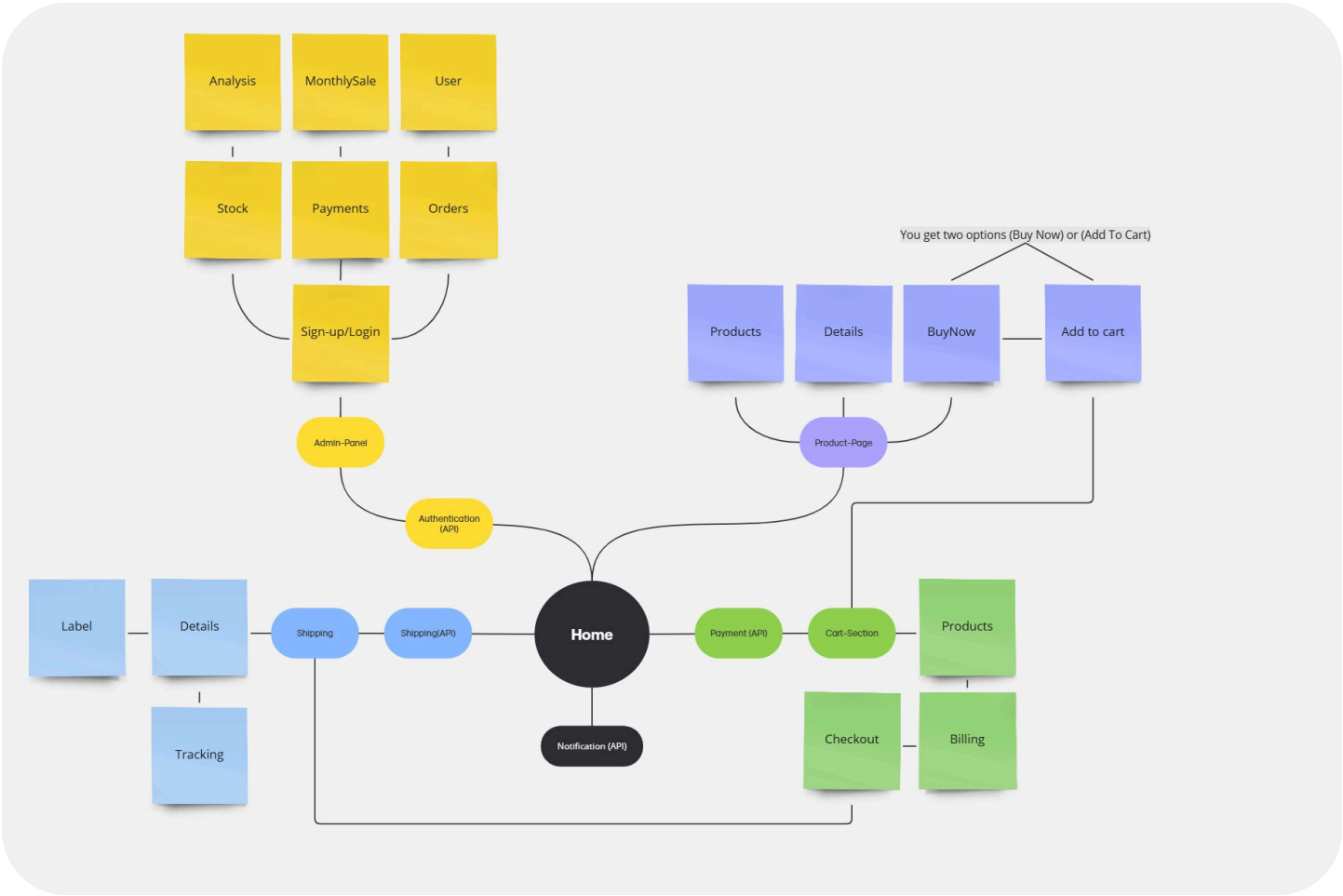
These are the **3RD Party API'S** that I have sourced for my product.

**Payment:** Stripe | Google Pay

**Shipment:** EasyPost | ShipEngine | FedEx

**Notification:** SendGrid

# Workflow Diagram



# API-End Points

	A	B	C	D
1	End-Points	Method	Description	Response example
2	/Products	get	It will going to fetch all the product details.	{ "Products": [{id:11, Name:Jordan's, Price:\$50, Stock:50, Status:available,Image:url--}] }
3				
4	/Order	Post	It will going to fetch all the order details.	{ "Orders": [{OrderId:21, Status:Ongoing, Customerid:301, ProductId:1, }] }
5				
6	/Payment	post	it will goint to process payment for an order.	{ "Payment": [{PaymentId:1, Status:Success, PaymentDate:12-12-2024}] }
7				
8	/Shipment	get	It will going to fetch all the shipment details.	{ "Shipment": [{ShipmentId:101, Status:Success, OrderId:202, Date:01-5-2024 }] }
9				
10	/Customer-history	get	iT eill going to fetch customers order history	{ "Customer-history": [{OrderId:702, Order-history:4, CustomerInfo:3}] }
11				