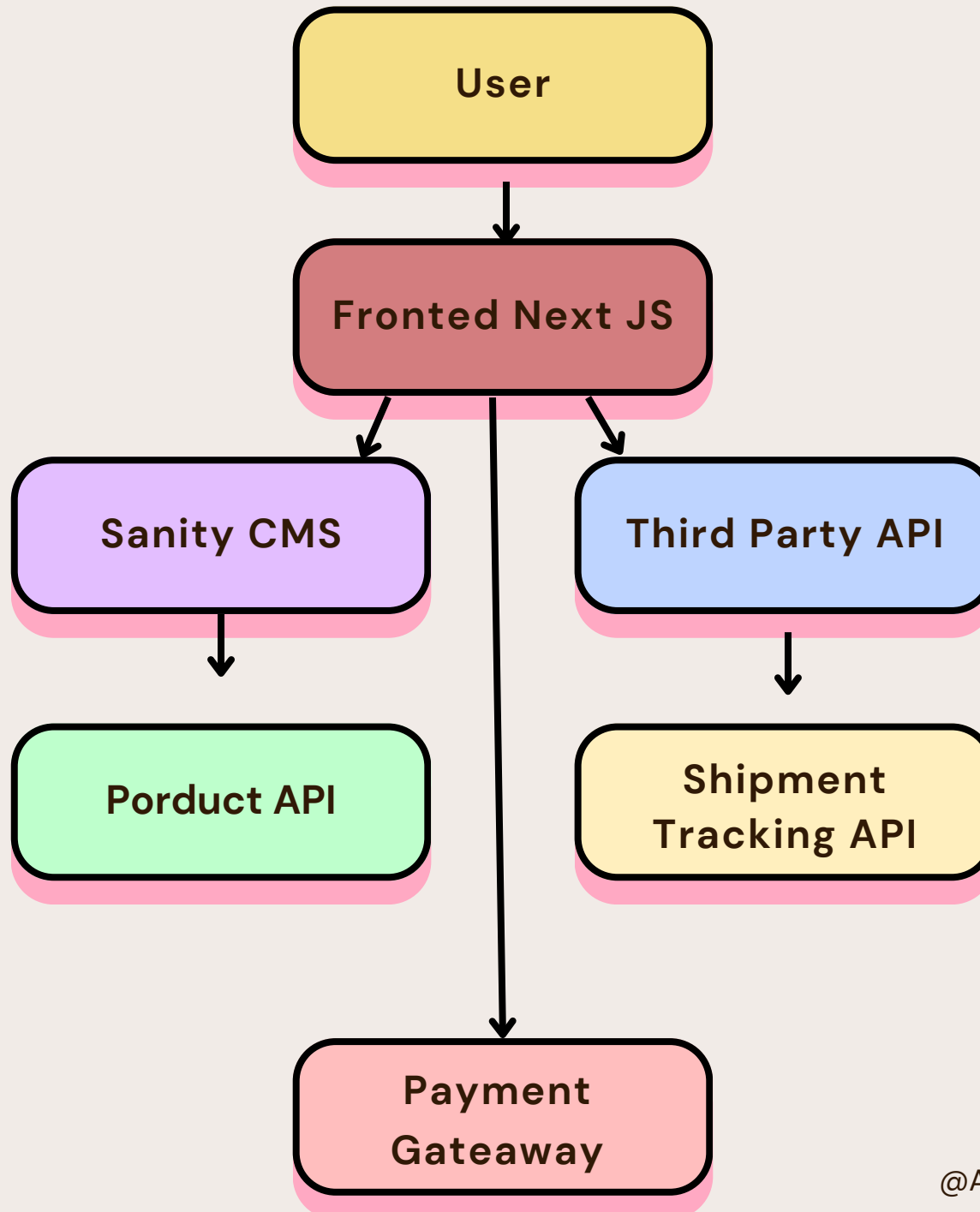


# Technical Plan:



# Workflow Overview:

## User:

Browses products, views details, and places orders.

## Frontend (Next.js):

Displays the UI, processes inputs, and makes API requests.

## Product API:

Fetches product details and manages listings.

## Sanity CMS:

Stores and manages product content like images and descriptions.

## Third Party API:

Integrates external services for reviews, recommendations, or stock updates.

## Shipment Tracking API:

Tracks and updates the status of shipped orders.

## Payment Gateway:

Securely processes user payments through multiple methods.

# API Requirements:

To make sure all services work effectively, with the following APIs:

## Product API:

- GET: Retrieve product information based on category or search query.
- POST: Add new products to the platform.
- PUT: Update existing product details.
- DELETE: Remove products from the platform.

## Third Party API:

- Integration with external APIs for additional services like customer reviews, product recommendations, or stock updates.

## Shipment Tracking API:

- This API provides live updates about the shipment's status and location. It could include features such as real-time tracking or estimated delivery times.

# Sanity Schemas Overview:

## 1. Product Schema:

- Title: Name of the product.
- Slug: URL-friendly version of the product name.
- Description: Product details.
- Price: Product cost.
- Images: Product images.
- Category: Classification of the product (e.g., electronics, clothing).
- Status: Quantity available.
- Color: Product Color
- Inventory: Product List

## 2. Order Schema:

- Order ID: Unique identifier.
- Customer: Reference to the customer who placed the order.
- Products: List of product IDs purchased.
- Total Price: Total cost of the order.
- Status: Current status (e.g., Pending, Shipped, Delivered).

# Conclusion: Highlighting Innovative Approaches:

- **Fast Delivery**: Integration with third-party APIs for tracking and real-time updates provides customers with the best delivery experience.
- **User-Centric Payment Flow**: Simplified payment gateway integration ensures a smooth transaction process.
- **Dynamic Content Management**: Sanity CMS enables seamless content updates and product data management without affecting the user experience.
- **Real-Time Tracking**: The shipment tracking API ensures that users stay updated throughout the order fulfillment process, offering a premium service.