Day-2

Market-place Technical foundation ["Food Tuck"]

Workflow diagram

Visit Home page → Browse products → Views product detailspage →

Complete profile and payment detail ← Proceed to checkout ← Add product to cart

Order confirmation → Tracks Shipment → Receive delivery at home
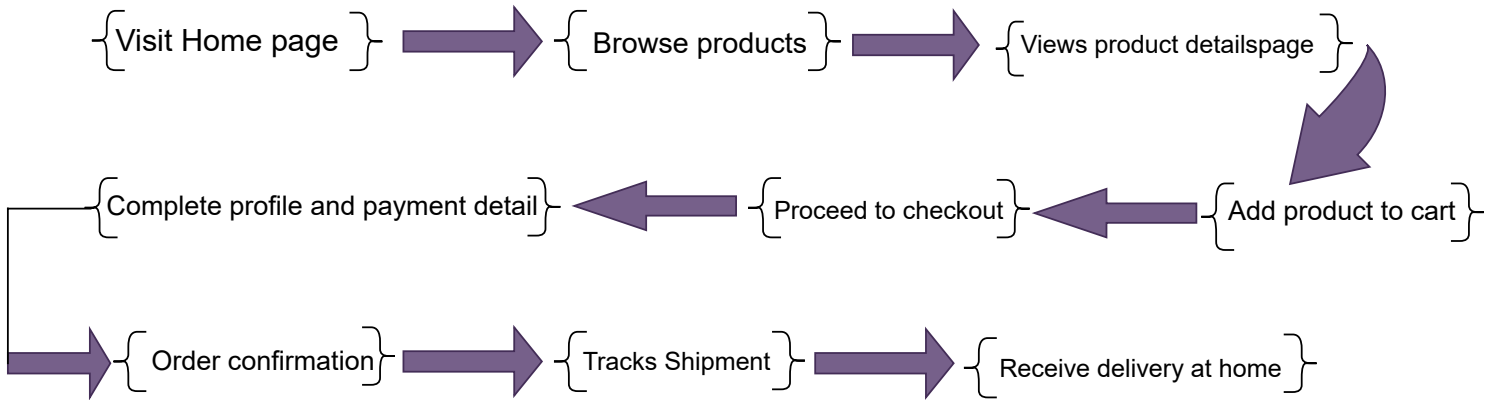
Flowchart for E-commerce

Start

User — **Admin**

User

Login — No → Register

Yes

- Search Product
- View Product
- Buy product & add to cart

No

Payment

- Online pay
- Cash on delivery

Order placed

Admin

Login — No

Yes

- Add category
- Add product
- Manage order
- Manage payment
- Check feedback

Logout

Stop
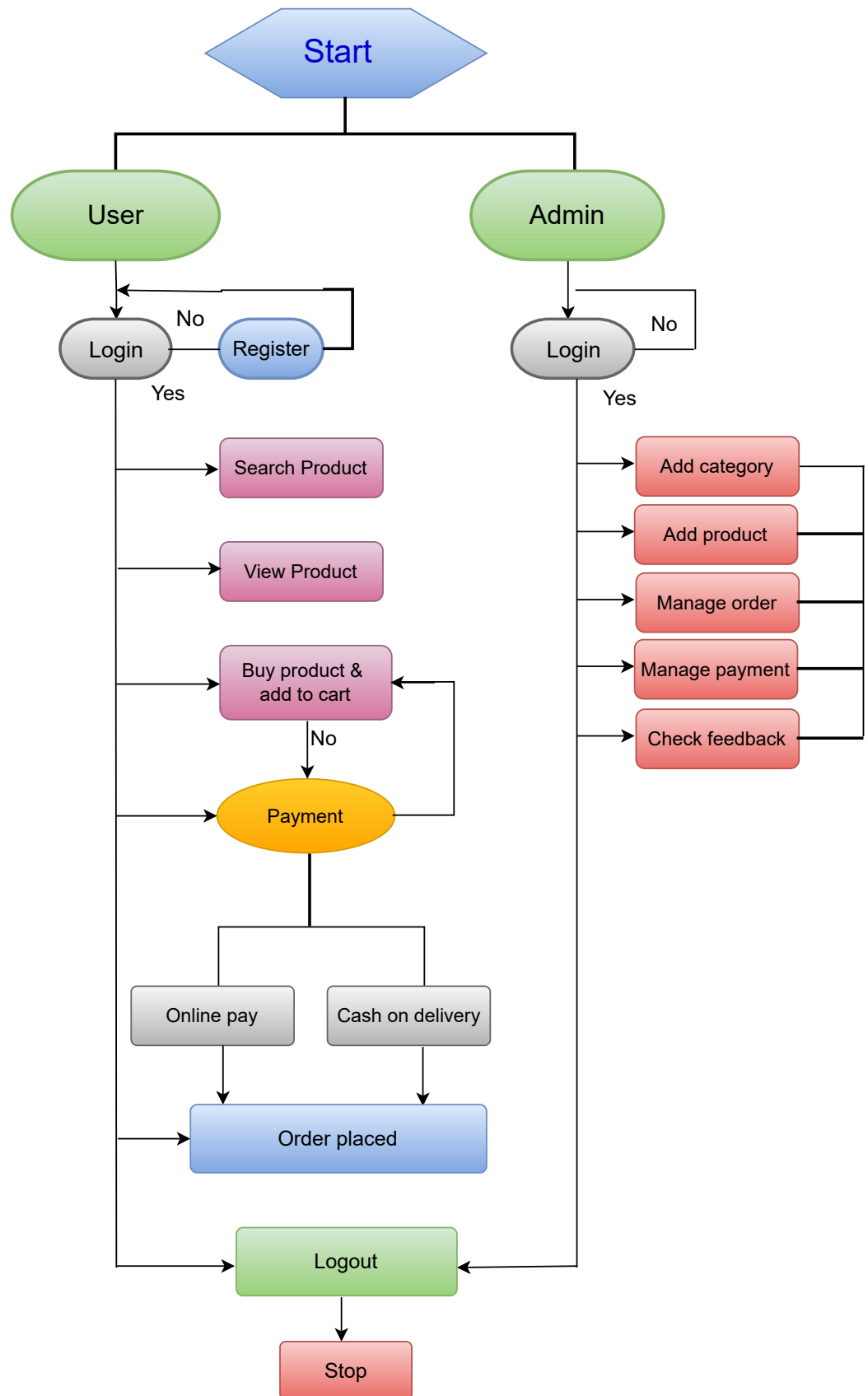
System Architecture Overview

```
Frontend (Next.js)  →  Sanity CMS  →  Third party APIs  →  Payment gateway
                            ↓                ↓
                      product data api   Shipment tracking api
```
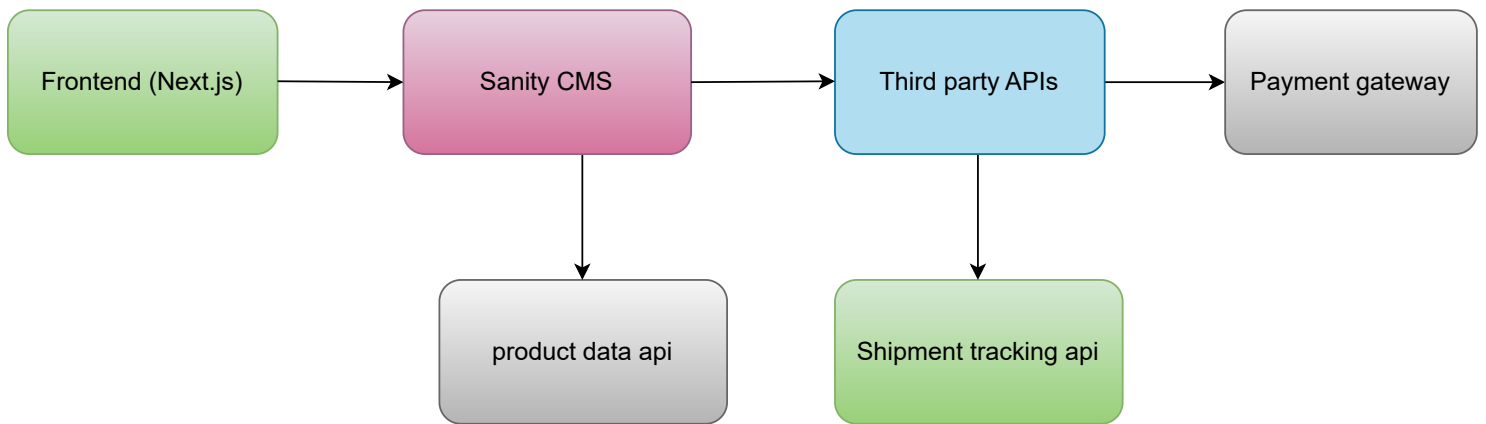
API Endpoint s.xlsx

Endpoint	Method	Description	Parameters	Response Example
/api/foods	GET	Fetch all food items	None	{ id: 1, name: "pizza"}
/api/foods/:id	GET	Fetch a single food item	id(path)	{ id: 1, name: "pizza"}
/api/foods	POST	Add a new food item	name,price,category (body)	{ success: true, id: 5}
/api/foods/:id	PUT	Update a food item	id(path),name, price(body)	{ success: true}
/api/foods/:id	DELETE	Delete a food item	id(path)	{ success: true}
/api/categories	GET	Fetch all food categories	None	{ categories: ["drinks"]}

ER Diagram for E-commerce project

Customer

PK	Customer ID
	Name
	gmail
	address
	phone

Customer order relationship

Customer payment relationship

Payment

PK	Payment ID
	Amount
	payment date
	status
PK	customer ID

Order

PK	Order ID
	Order date
	Total amount
	Status
PK	Product ID
PK	Customer ID

Order order item relationship

Order item

PK	Orderitem ID
	Quantity
	subtotal
PK	productID

Product

PK	ProductID
	Name
	Price
	Description
	Stock quantity

Product order item relationship