Marketplace Technical Foundation [FOODTUCK Q COMMERCE]

1. **Technical Requirements Defined:**
    - *Frontend: User-friendly interfaces, responsive design, and essential pages like Product Listing, Cart, and Checkout.*
    - *Backend: Use of Sanity CMS for managing data and third-party APIs for payment gateways and shipment tracking.*

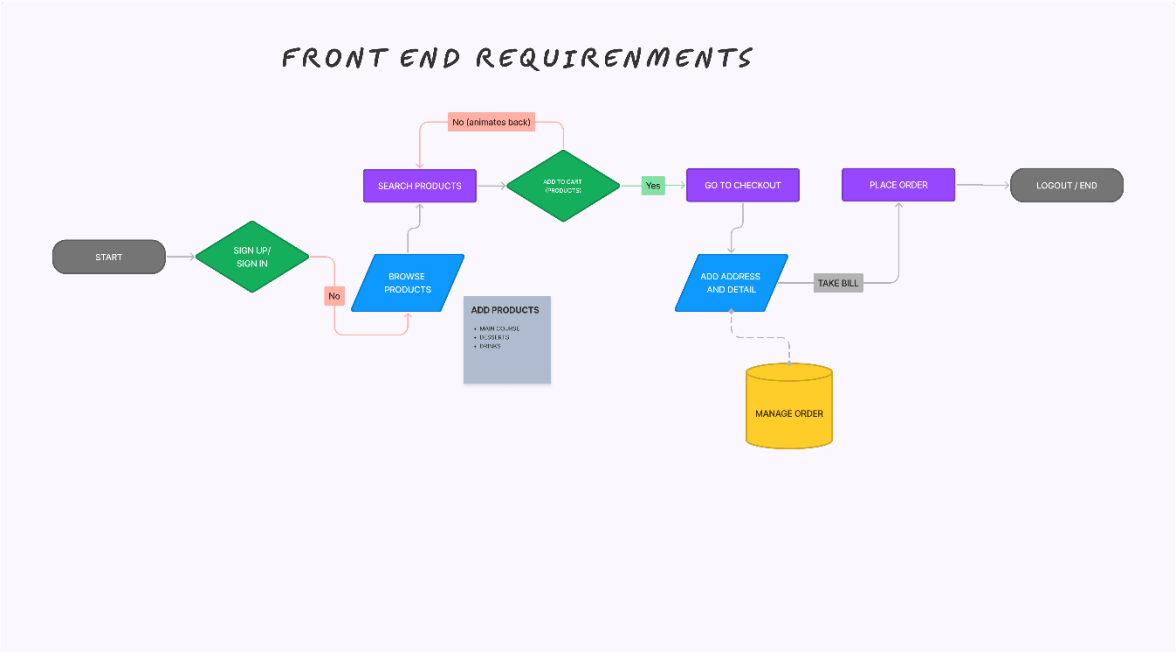
2. **System Architecture Designed:**
    - *High-level architecture: Interaction between frontend (Next.js), Sanity CMS, and APIs.*
    - *Example workflows: User registration, product browsing, order placement, and shipment tracking.*

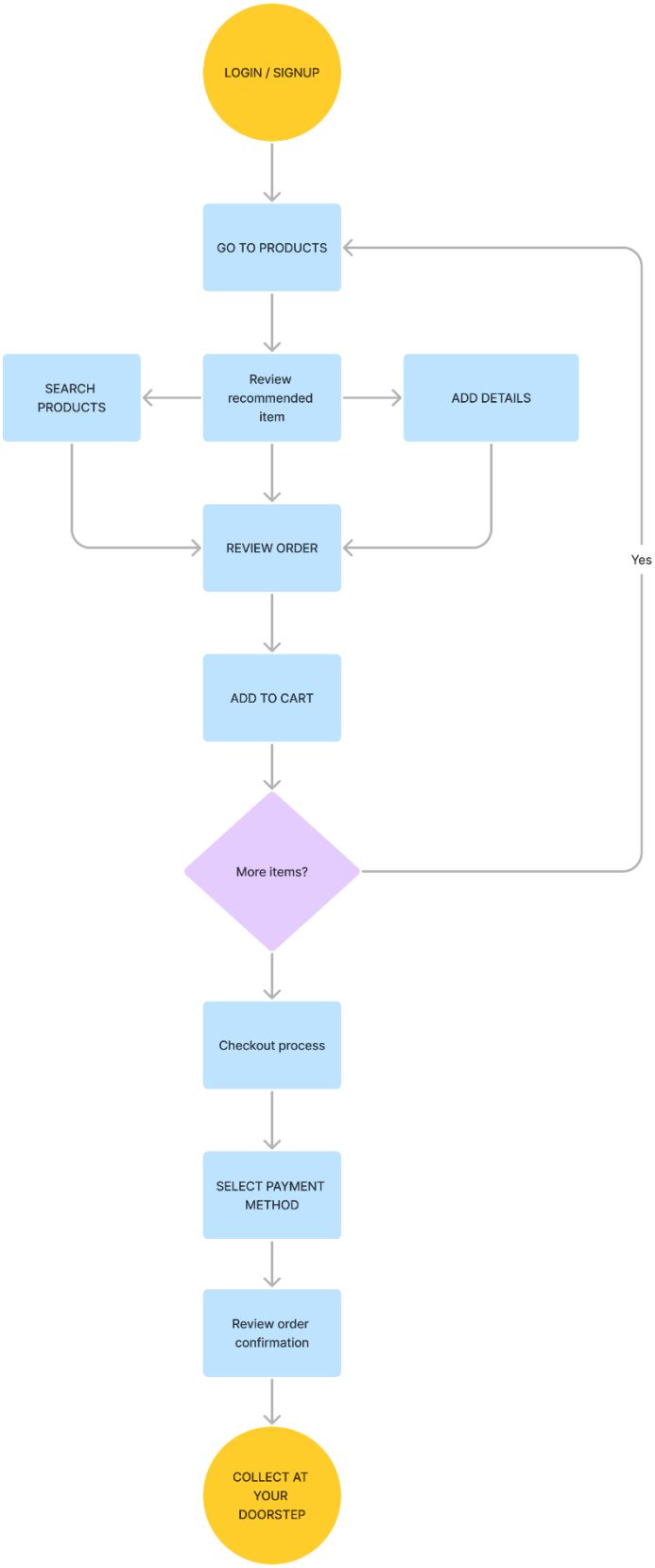
3. **API Planning:**
    - *Detailed endpoints for features like product fetching, order creation, and shipment updates.*
    - *Examples include:*
        - */products (GET): Fetch all products.*
        - */orders (POST): Record customer orders.*

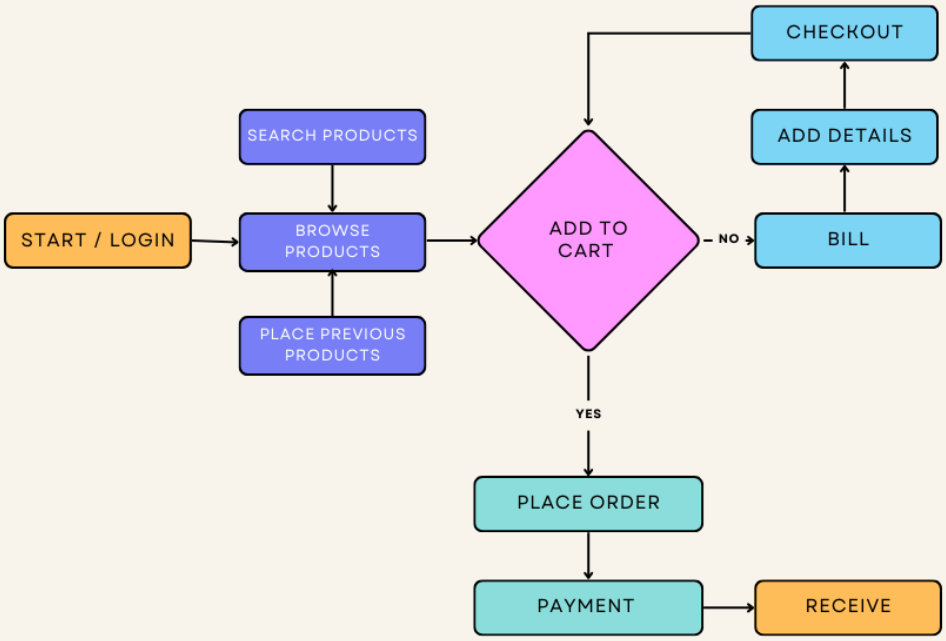
4. **Technical Documentation:**
    - *Comprehensive documentation of architecture, workflows, and APIs.*
    - *Included diagrams, schema designs, and a technical roadmap for implementation.*

5. **Collaboration and Feedback:**
    - *Peer reviews, brainstorming, and version control practices were emphasized to refine the plan.*

Diagram

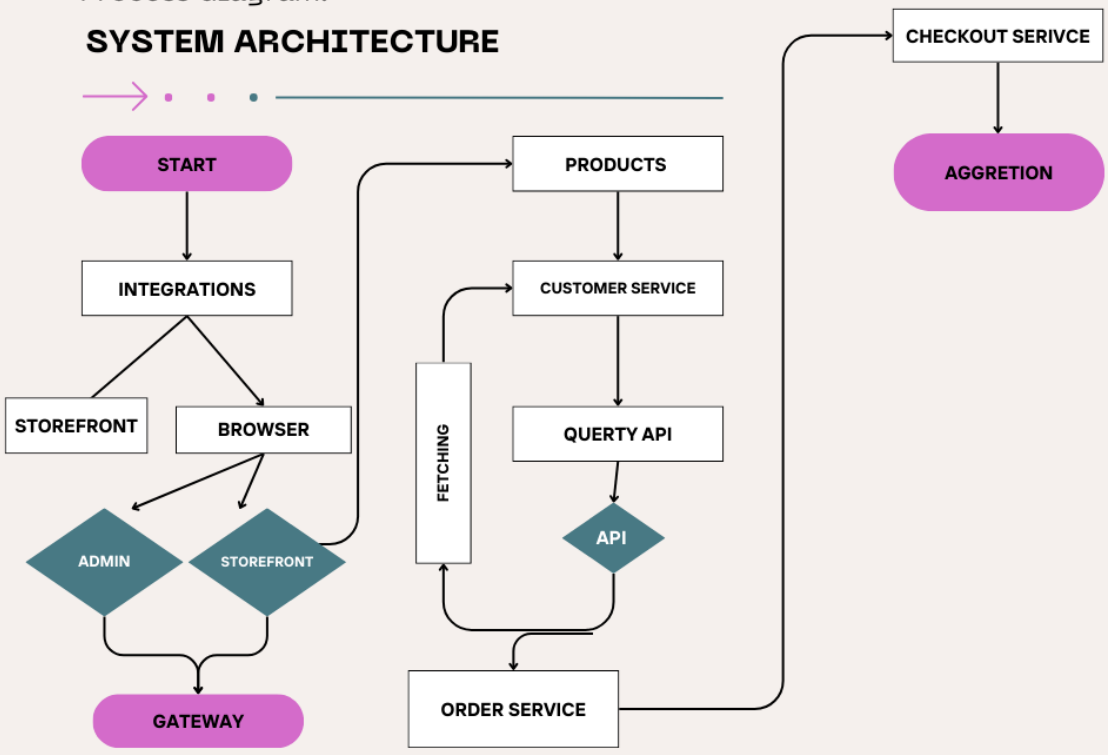
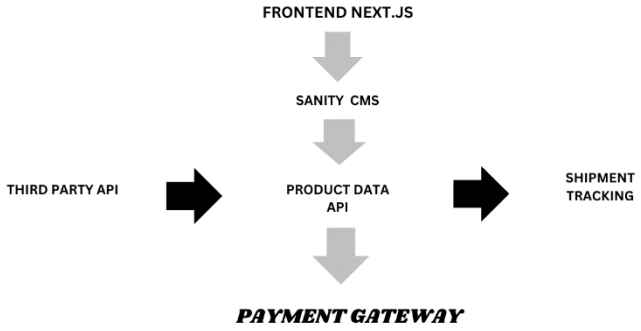

FRONT END REQUIRENMENTS
No (animates back)
SEARCH PRODUCTS
ADD TO CART (PRODUCTS)
Yes
GO TO CHECKOUT
PLACE ORDER
LOGOUT / END
START
SIGN UP/ SIGN IN
No
BROWSE PRODUCTS
ADD PRODUCTS
ADD ADDRESS AND DETAIL
TAKE BILL
MANAGE ORDER


LOGIN / SIGNUP
GO TO PRODUCTS
SEARCH PRODUCTS
Review recommended item
ADD DETAILS
REVIEW ORDER
ADD TO CART
More items?
Yes
Checkout process
SELECT PAYMENT METHOD
Review order confirmation
COLLECT AT YOUR DOORSTEP



Process diagram:

SYSTEM ARCHITECTURE



SYSTEM ARCHITECTURE