

# **Complete Workflow of Project**

## **1. User Registration:**

- User navigates to the registration page.
- User enters registration details (e.g., name, email, password).
- User submits the registration form.
- The frontend sends a POST request to the backend API to register the user.
- The backend API validates the input data.
- If valid, the backend API sends a request to Sanity to store the user data.
- Sanity stores the user data in the database.
- The backend API receives a confirmation from Sanity.
- The backend API sends a confirmation email to the user.
- The user receives the confirmation email.

## **2. Product Browsing:**

- User navigates to the product browsing page.
- The frontend sends a GET request to the Sanity API to fetch product categories.
- Sanity API retrieves the product categories data.
- The frontend receives the product categories data.
- The frontend displays the product categories to the user.
- User selects a product category.
- The frontend sends a GET request to the Sanity API to fetch products within the selected category.
- Sanity API retrieves the product data.
- The frontend receives the product data.
- The frontend displays the products to the user.

## **3. Order Placement:**

- User adds products to the cart.
- User navigates to the checkout page.
- User enters shipping and payment details.
- User submits the order.
- The frontend sends a POST request to the backend API to place the order.
- The backend API validates the input data.
- If valid, the backend API processes the payment (if applicable).
- The backend API sends a request to Sanity to store the order details.
- Sanity stores the order details in the database.
- The backend API receives a confirmation from Sanity.

- The backend API sends an order confirmation email to the user.
- The user receives the order confirmation email.

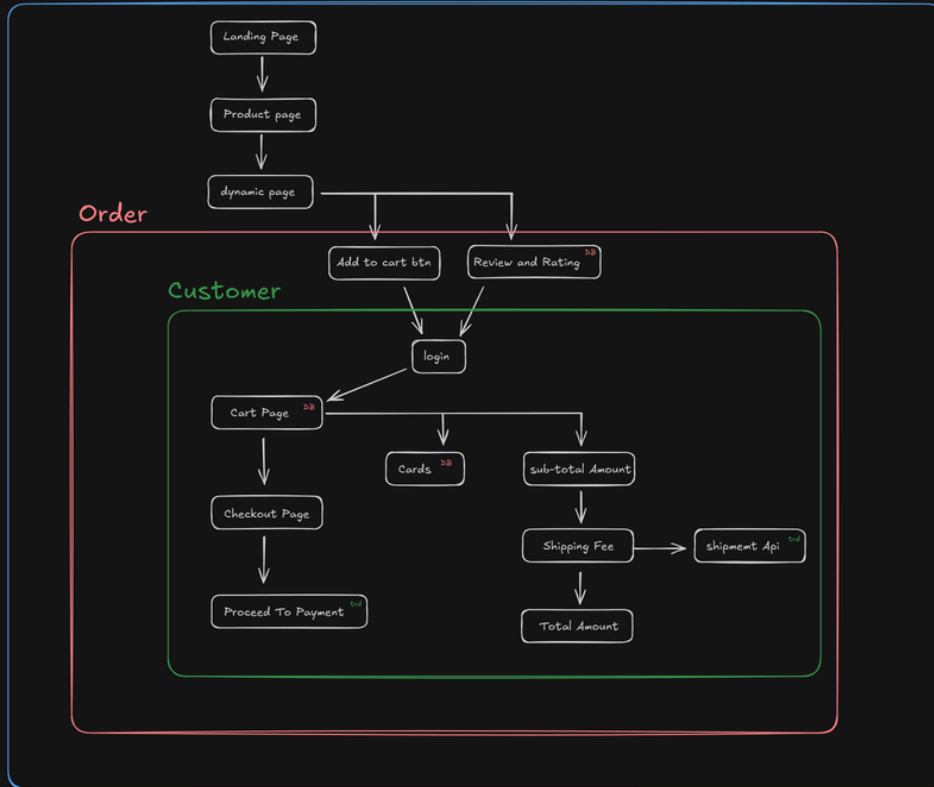
#### **4. Shipment Tracking:**

- User navigates to the shipment tracking page.
- The frontend sends a GET request to a third-party API to fetch the order status.
- The third-party API retrieves the shipment status data.
- The frontend receives the shipment status data.
- The frontend displays the shipment status to the user.
- (Optional) The user can refresh the shipment status to get updates.

**This workflow outlines the key steps and interactions between the frontend, backend, Sanity, and third-party APIs in your Next.js project.**

### **WORKFLOW DIAGRAM**

## Product



DB = DataBase  
trd = ThirdParty library