

EndPoints	Method	Description	Response
api/users/register	Post	Register a new user.	Frontend → API → Sanity CMS → Response to Frontend.
api/users/login	Post	Authenticate the user and return a token.	Frontend → API → Authentication Service → Token Response to Frontend.
api/products	Get	Fetch all products.	Frontend → API → Sanity CMS → Response to Frontend.
api/products/:id	Get	Fetch details of a specific product by its ID.	Frontend → API → Sanity CMS → Response to Frontend.
api/cart	Post	Add a product to the cart.	Frontend → API → Sanity CMS → Response to Frontend.
api/cart/:userId	Get	Get cart details for a specific user.	Frontend → API → Sanity CMS → Response to Frontend.
api/orders/register	Post	Place a new order.	Frontend → API → Sanity CMS → Response to Frontend.
api/orders/:orderId	Get	Retrieve details of a specific order using its ID.	Frontend → API → Sanity CMS → Response to Frontend.
api/orders/:orderId	Get	Track the status of a shipment using its ID.	Frontend → API → Sanity CMS → Response to Frontend.
api/payment	Post	Process a payment for an order.	Frontend → API → Payment Gateway → Sanity CMS → Response to Frontend.
api/zones	GET	Retrieve delivery zones and shipping information.	Frontend → API → Sanity CMS → Response to Frontend.

Plan API Requirements

1. User Management

Register User (POST/api/users/register):

- Registers a new user in the system.
- Response: Frontend sends data → API processes request → Sanity CMS stores user info → Response sent back to Frontend.

Login User (POST/api/users/login):

- Authenticates user credentials and provides a token for secure access.
- Response: Frontend sends login data → API validates credentials → Authentication service returns token → Token sent back to Frontend.

2. Product Management

Fetch All Products (GET/api/products):

- Retrieves the complete list of products for browsing.
- Response: Frontend requests product list → API fetches from Sanity CMS → Product data sent back to Frontend.

Fetch Product by ID (GET/api/products/:id):

- Gets details of a specific product by its unique ID.
- Response: Frontend requests product details → API retrieves data from Sanity CMS → Product details sent back to Frontend.

3. Cart Management

Add to Cart (POST/api/cart):

- Adds a selected product to the user's shopping cart.
- Response: Frontend sends cart data → API updates cart in Sanity CMS → Confirmation sent back to Frontend.

Get Cart Details (GET/api/cart/:userId):

- Fetches the list of items in the cart for a specific user.
- Response: Frontend requests cart details → API fetches cart data from Sanity CMS → Cart details sent back to Frontend.

4. Order Management

Place Order (POST/api/orders):

- Submits an order for processing after cart review.
- Response: Frontend sends order data → API processes the order in Sanity CMS → Order confirmation sent back to Frontend.

Fetch Order Details (GET/api/orders/:orderId):

- Retrieves details of a placed order using the order ID.
- Response: Frontend requests order details → API retrieves data from Sanity CMS → Order details sent back to Frontend.

5. Shipment Management

Track Shipment (GET/api/shipment/:shipmentId):

- Provides shipment tracking information for an order.
- Response: Frontend sends shipment ID → API retrieves tracking data from Sanity CMS → Tracking details sent back to Frontend.

6. Payment Management

Process Payment (POST/api/payment):

- Handles payment processing through a gateway.
- Response: Frontend sends payment details → API communicates with Payment Gateway → Confirmation sent to Sanity CMS → Response sent back to Frontend.

7. Zone Management

Get Delivery Zones (GET/api/zones):

- Retrieves available delivery zones and related shipping info.
- Response: Frontend requests zone data → API fetches from Sanity CMS → Zone and shipping info sent back to Frontend.