

KEY FEATURES

01

Product Browsing:

- Advanced filtering and sorting options.
- High-resolution product images with 360° views.

02

User Authentication:

- Secure sign-up/login process.
- Role-based user management.

03

Shopping Cart:

- Persistent cart storage.

04

Order Management:

- End-to-end order tracking.
- Notifications for order status.

05

Secure Payments

- Multiple payment gateways.
- PCI-DSS compliance.



PLATFORM WORKFLOW

- USER JOURNEY -



API ENDPOINTS

PRODUCT APIS:

- GET `/api/products`
 - Fetches all products with filters.
- GET `/api/products/:id`
 - Retrieves details of a single product.

CART API:

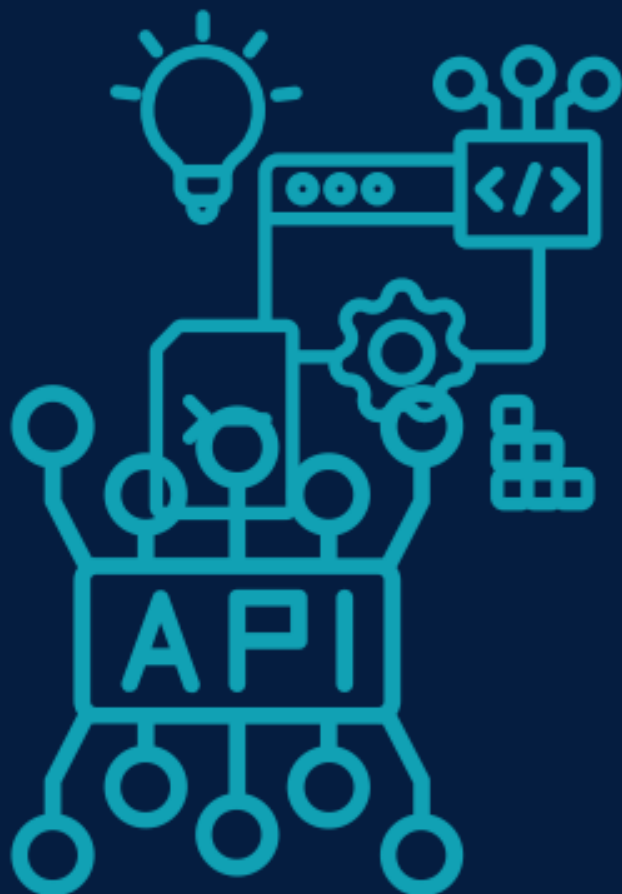
- PUT `/api/cart/validate-stock`
 - Validates stock availability for all items in the cart before checkout.

SHIPMENT AND PAYMENT APIS:

- POST `/api/shipment/calculate`
 - Calculates delivery charges based on the address and service selected.
- POST `/api/payment/process`
 - Processes payment securely and confirms the transaction.

ORDER API:

- POST `/api/orders`
 - Generates a new order after payment is confirmed.
 - Includes delivery details, selected service, and payment status.
- GET `/api/orders`
 - Get all order of the login user for history



SYSTEM ARCHITECTURE DIAGRAM

