

DAY : 02

PLANING THE TECHNICAL FOUNDATION

user Login
↓
User Search for a Product

↓
Display Search Results
└ (No Results) → "Show"
Now Product Found" Message] → Try
Again → User Search Again.

↓
User Selects a Product
└ (Go Back) → Return to
Product Listing.

↓
View Product Details
└ Read Reviews → show
customer Review
└ check stock → show

Availability

↓
Add to Cart

└ Continue shopping →
Return to Search

↓
view cart

└ Remove Product →

Update cart

└ Update Quantity →

Recalculate Total Price.

↓
Proceed to Checkout

↓
Order Placement confirmation.

└ Modify Order → Return to

Cart

└ Apply discount Code →

Recalculate Total

↓
Enter Shipping details.

└ Save Address → User

Profile Updated.

↓
Select Payment Method

↓
Enter Card details

confirm Order.



Payment Processing (Third Party API)

└ (Payment failed) → Retry

Payment



Order Successfully Placed

└ Track order → Order

Tracking Page

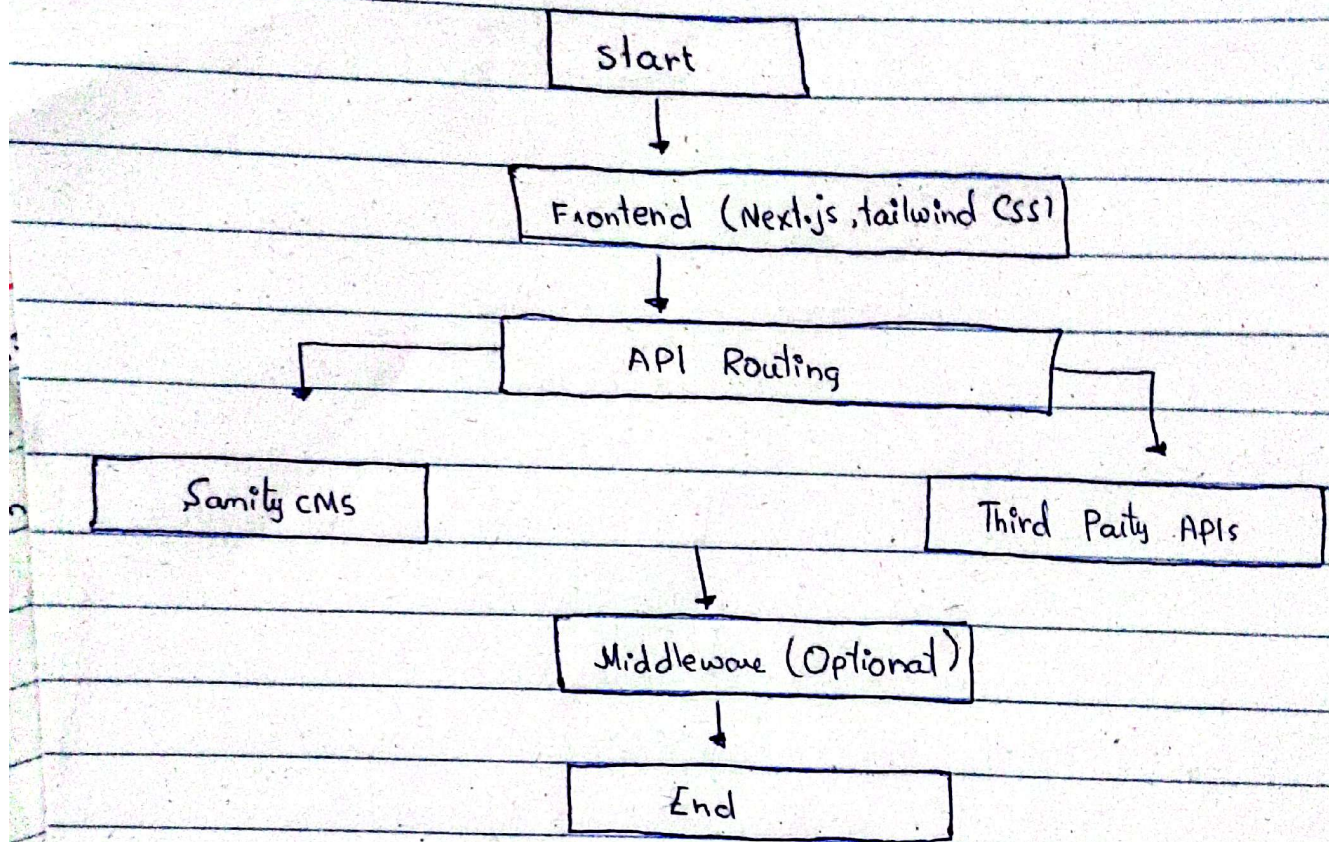
└ Download Invoice



continue shopping



Thanks for Shopping.



Endpoint	Method	Description	Response Example
/auth/register	POST	Create a new user account	User ID, Session Token
/auth/login	POST	Authenticate user credentials	Auth Token
/auth/logout	POST	Logout the current user	Logout Successful
/products	GET	Retrieve all available products	List of Products
/products/{id}	GET	Get details of a specific product	Product Details
/cart/view	GET	View current cart items	Cart Items
/cart/add	POST	Add an item to the cart	Updated Cart
/cart/remove	DELETE	Remove an item from the cart	Updated Cart
/orders/create	POST	Place a new order	Order Confirmation
/orders/{id}	GET	Get details of a specific order	Order Details
/orders/history	GET	Retrieve order history for a user	List of Orders
/payments/process	POST	Process payment for an order	Payment Status