

Endpoint	Method	Purpose	Payload	Response Example
/products	GET	Fetch all product details for display	None	[{"id": 1, "name": "T-shirt", "price": 500, "stock": 10, "image": "url"}]
products/{id}	GET	Fetch details of a specific product	None	{"id": 1, "name": "T-shirt", "price": 500, "description": "Cotton T-shirt", "stock": 10}
/products/search	GET	Search products with keywords	{"query": "shirt", "filters": {"price": "low-to-high"}}	[{"id": 1, "name": "T-shirt", "price": 500}]
/cart	POST	Add a product to the cart	{"userId": 123, "productId": 1, "quantity": 2}	{"cartId": 456, "status": "Product added to cart"}
/cart	GET	Get all products currently in the cart	{"userId": 123}	{"cartId": 456, "products": [{"id": 1, "name": "T-shirt", "quantity": 2}]}
/cart/{id}	DELETE	Remove a product from the cart	{"userId": 123, "productId": 1}	{"status": "Product removed from cart"}
/checkout	POST	Place an order	{"userId": 123, "cartId": 456, "paymentMethod": "Card" }	{"orderId": 789, "status": "Order placed", "paymentStatus": "Successful"}
/order/{id}	GET	Fetch details of a specific order	{"userId": 123}	{"orderId": 789, "status": "Processing", "items": [{"id": 1, "name": "T-shirt", "quantity": 2}]}
/shipment/{id}	GET	Track the shipment status of an order	None	{"shipmentId": 101, "orderId": 789, "status": "In Transit", "ETA": "2 days"}
/categories	GET	Fetch all product categories	None	{"categories": ["Men", "Women", "Kids"]}
/categories/{id}	GET	Fetch products belonging to a specific category	None	{"category": "Men", "products": [{"id": 1, "name": "T-shirt", "price": 500}]}
/user/register	POST	Register a new user	{"name": "John Doe", "email": "john@example.com", "password": "password123" }	{"userId": 123, "status": "Registration successful"}
/user/login	POST	Authenticate an existing user and provide a token	{"email": "john@example.com", "password": "password123" }	{"userId": 123, "token": "jwt-token", "status": "Login successful"}
/express-delivery-status	GET	Fetch real-time delivery updates for express orders	{"orderId": 123}	{"orderId": 123, "status": "Out for Delivery", "ETA": "15 minutes"}
/payment/process	POST	Process payment for an order	{"orderId": 789, "amount": 2000, "method": "Card" }	{"paymentId": 202, "status": "Payment Successful"}
/profile	GET	Fetch user profile details	{"userId": 123}	{"userId": 123, "name": "John Doe", "email": "john@example.com", "orderHistory": [...] }
/profile/update	PUT	Update user profile details	{"userId": 123, "name": "John Updated" }	{"status": "Profile updated successfully"}