

Service	Endpoint	Method	Request Body	Response	Description
Inventory	/inventory/items	GET	—	[{ itemId, name, qty, location }, ...]	Fetch all inventory items
	/inventory/item/{itemId}	GET	—	{ itemId, name, qty, location }	Fetch a specific item by ID
	/inventory/add	POST	{ name, qty, location }	{ itemId, status: "added" }	Add a new inventory item
Cart	/cart/add	POST	{ userId, itemId, qty }	{ status: "success" }	Add an item to user's cart
	/cart/{userId}	GET	—	[{ itemId, name, qty }, ...]	Get all items in user's cart
	/cart/remove	DELETE	{ userId, itemId }	{ status: "removed" }	Remove item from user's cart
Payment	/payment/initiate	POST	{ userId, amount }	{ paymentLink, status: "pending" }	Initiate payment
	/payment/status/{txnId}	GET	—	{ txnId, status: "success"/"fail" }	Check payment status
Analytics	/analytics/user/{userId}	GET	—	{ usageStats, heatmapData, frequency }	Get analytics for a specific user
	/analytics/system	GET	—	{ activeUsers, totalTransactions, errors }	Get overall system analytics
Search	/search	GET	?query=heart rate monitor	[{ itemId, name, relevanceScore }, ...]	Search items from all services (uses Elasticsearch)
User/Auth	/auth/register	POST	{ name, email, password }	{ userId, token }	Register a new user
	/auth/login	POST	{ email, password }	{ token, userId }	User login and JWT token generation
	/auth/verify	GET	{ token }	{ valid: true/false }	Validate user's token
IoT	/iot/gateway/send	POST	{ deviceId, sensorData }	{ status: "received" }	IoT device sends sensor data
	/iot/gateway/status/{deviceId}	GET	—	{ deviceId, online: true/false }	Get device connection status
Tracking	/tracking/patient/{userId}	GET	—	{ userId, currentLocation, vitals }	Track patient vitals and location in real-time
	/tracking/update	POST	{ userId, vitals, location }	{ status: "updated" }	Update tracking info
Admin	/admin/users	GET	—	[{ userId, name, role }, ...]	Get list of all users
	/admin/disable/{userId}	PATCH	—	{ status: "disabled" }	Disable a user account
	/admin/stats	GET	—	{ uptime, userGrowth, systemHealth }	Get system health and admin stats