API Endpoint – Documentation

# Authentication Module

## Auth Endpoints

### POST /api/v1/auth/login

Logs in a staff member.

Request Body:

{  
 "email": "string",  
 "password": "string"  
}

Response:

{  
 "token": "JWT\_TOKEN",  
 "staff": {  
 "staffid": 1,  
 "firstname": "John",  
 "roleid": 2  
 }  
}

### POST /api/v1/auth/logout

Invalidates current token (JWT-based).

Auth Required: Yes

## Staff Endpoints

### GET /api/v1/staff

List all staff members

Auth Required: Admin

### GET /api/v1/staff/:id

Get a specific staff member

### POST /api/v1/staff

Create a new staff account

### PATCH /api/v1/staff/:id

Update staff details

### DELETE /api/v1/staff/:id

Deactivate staff

## Roles Endpoints

### GET /api/v1/roles

List all roles

### POST /api/v1/roles

Create new role

### PATCH /api/v1/roles/:id

Update role name

# Checkout Module

## Sales Endpoints

### GET /api/v1/sales

List all sales

Filters: ?staffid=, ?customerid=, ?date=

### POST /api/v1/sales

Create a new sale (cart + checkout)

{  
 "customerid": 5,  
 "staffid": 2,  
 "items": [  
 { "itemid": 1, "quantity": 2 }  
 ]  
}

### GET /api/v1/sales/:id

Get full sale details (including items, payments)

## Customers Endpoints

### GET /api/v1/customers

List all customers

### POST /api/v1/customers

Register a new customer

### PATCH /api/v1/customers/:id

Update customer info

## Payments Endpoints

### GET /api/v1/payments

List all payments

### POST /api/v1/payments

Create a payment

{  
 "saleid": 10,  
 "amount": 59.99,  
 "paymentmethod": "card"  
}

# Inventory Module

## Items Endpoints

### GET /api/v1/items

List all items

### POST /api/v1/items

Add new item

### GET /api/v1/items/:id

Get item details

### PATCH /api/v1/items/:id

Update item details

### DELETE /api/v1/items/:id

Delete item (optional soft delete)

## Stock Movements

### GET /api/v1/stock-movements

Track stock history

Filters: ?itemid=, ?date=

### POST /api/v1/stock-movements

Record restock, sale-related deduction, or correction

{  
 "itemid": 4,  
 "quantitychange": -5,  
 "movementtype": "sale"  
}

## Suppliers

### GET /api/v1/suppliers

List all suppliers

### POST /api/v1/suppliers

Add supplier

### PATCH /api/v1/suppliers/:id

Update supplier info

## Audit Log

### GET /api/v1/audit

Admin-only view of table change history

Filters: ?staffid=, ?tablename=, ?date=

# Additional Endpoints

### GET /api/v1/auth/me

Returns the currently authenticated staff member's information.

Auth Required: Yes

## Filtering, Searching & Pagination

Adds query support for flexible filtering and pagination.

Example:

/api/v1/items?category=snacks&stock\_lt=10&page=2&limit=50

/api/v1/sales?from=2024-01-01&to=2024-01-31&staffid=2

## Item Categories (New Table)

If 'category' is a text field, consider a normalized table for better data integrity and management.

### GET /api/v1/categories

Returns all item categories.

### POST /api/v1/categories

Creates a new category.

## Batch Endpoints

### POST /api/v1/items/batch-update

Updates multiple items in a single request.

### DELETE /api/v1/customers/batch-delete

Deletes multiple customers at once.