

# Restaurant Management API

## Overview

API for managing restaurant operations including orders, reservations, staff, and tables

## Security

Type	Name	Scopes
apiKey	BearerAuth	

## Paths

### **GET** /api/analytics/customer\_spending **Get customer spending analytics**

Retrieve the total spending of each customer, ordered by the highest spending.

#### Responses

Code	Description	Links
200	Successfully retrieved customer spending data  <i>Content</i> <b>application/json</b>	No Links
500	Internal server error	No Links

### **GET** /api/analytics/popular\_dishes **Get popular dishes analytics**

Retrieve the top 5 most ordered dishes with their total orders.

#### Responses

Code	Description	Links
200	Successfully retrieved popular dishes data  <i>Content</i> <b>application/json</b>	No Links
500	Internal server error	No Links

## **GET /api/analytics/pending\_orders\_details** Get pending orders details

Retrieve details of all pending orders, including dish names and quantities.

### Responses

Code	Description	Links
200	Successfully retrieved pending orders details  <i>Content</i> <b>application/json</b>	No Links
500	Internal server error	No Links

## **GET /api/analytics/above\_average\_spenders** Get above average spenders analytics

Retrieve the list of customers whose total spending is above the average spending of all customers.

### Responses

Code	Description	Links
200	Successfully retrieved above average spenders data  <i>Content</i> <b>application/json</b>	No Links
500	Internal server error	No Links

## **POST /api/customers/add** Add a new customer

### Responses

Code	Description	Links
201	Customer added successfully	No Links
403	Unauthorized	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **GET /api/customers** Get all customers

### Responses

Code	Description	Links
200	Successfully retrieved customers	No Links

Code	Description	Links
403	Unauthorized	No Links
500	Database error	No Links

## **GET** /api/customers/{customer\_id} Get a specific customer

### Parameters

Type	Name	Description	Schema
path	customer_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Successfully retrieved customer	No Links
404	Customer not found	No Links
500	Database error	No Links

## **PUT** /api/customers/{customer\_id} Update a customer

### Parameters

Type	Name	Description	Schema
path	customer_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Customer updated successfully	No Links
403	Unauthorized	No Links
404	Customer not found	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **DELETE** /api/customers/{customer\_id} Delete a customer

### Parameters

Type	Name	Description	Schema
path	customer_id <i>required</i>		integer

#### Responses

Code	Description	Links
200	Customer deleted successfully	No Links
403	Unauthorized	No Links
404	Customer not found	No Links
500	Database error	No Links

## POST /api/menu/add Add a new dish to the menu

#### Responses

Code	Description	Links
201	Dish added successfully	No Links
403	Unauthorized	No Links
422	Missing required fields	No Links
500	Database error	No Links

## GET /api/menu/{dish\_name} Get a specific dish by name

#### Parameters

Type	Name	Description	Schema
path	dish_name <i>required</i>		string

#### Responses

Code	Description	Links
200	Successfully retrieved dish	No Links
404	Dish not found	No Links
500	Database error	No Links

## GET /api/menu Get all menu items

#### Responses

Code	Description	Links
200	Successfully retrieved menu items	No Links

Code	Description	Links
403	Unauthorized	No Links
500	Database error	No Links

## **PUT** /api/menu/{dish\_id} Update a dish

### Parameters

Type	Name	Description	Schema
path	<b>dish_id</b> <i>required</i>		integer

### Responses

Code	Description	Links
200	Dish updated successfully	No Links
403	Unauthorized	No Links
404	Dish not found	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **DELETE** /api/menu/{dish\_id} Delete a dish

### Parameters

Type	Name	Description	Schema
path	<b>dish_id</b> <i>required</i>		integer

### Responses

Code	Description	Links
200	Dish deleted successfully	No Links
403	Unauthorized	No Links
404	Dish not found	No Links
500	Database error	No Links

## **GET** /api/order\_items Get all order items

### Responses

Code	Description	Links
200	Successfully retrieved order items	No Links

Code	Description	Links
403	Unauthorized	No Links
500	Database error	No Links

## **POST** /api/order\_items Add a new order item

### Responses

Code	Description	Links
201	Order item added successfully	No Links
403	Unauthorized	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **GET** /api/order\_items/{order\_item\_id} Get a specific order item

### Parameters

Type	Name	Description	Schema
path	order_item_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Successfully retrieved order item	No Links
404	Order item not found	No Links
500	Database error	No Links

## **PUT** /api/order\_items/{order\_item\_id} Update an order item

### Parameters

Type	Name	Description	Schema
path	order_item_id <i>required</i>		integer

### Responses

Code	Description	Links
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Code	Description	Links
200	Order item updated successfully	No Links
403	Unauthorized	No Links
404	Order item not found	No Links
422	Missing required fields	No Links
500	Database error	No Links

## ***DELETE* /api/order\_items/{order\_item\_id} Delete an order item**

### Parameters

Type	Name	Description	Schema
path	order_item_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Order item deleted successfully	No Links
403	Unauthorized	No Links
404	Order item not found	No Links
500	Database error	No Links

## ***POST* /api/orders/add Add a new order**

### Responses

Code	Description	Links
201	Order added successfully	No Links
403	Unauthorized	No Links
422	Missing required fields	No Links
500	Database error	No Links

## ***GET* /api/orders Get all orders**

### Responses

Code	Description	Links
200	Successfully retrieved orders	No Links
403	Unauthorized	No Links

Code	Description	Links
500	Database error	No Links

## **GET** /api/orders/{order\_id} Get a specific order

### Parameters

Type	Name	Description	Schema
path	order_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Successfully retrieved order	No Links
404	Order not found	No Links
500	Database error	No Links

## **PUT** /api/orders/{order\_id} Update an order

### Parameters

Type	Name	Description	Schema
path	order_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Order updated successfully	No Links
403	Unauthorized	No Links
404	Order not found	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **DELETE** /api/orders/{order\_id} Delete an order

### Parameters

Type	Name	Description	Schema
path	order_id <i>required</i>		integer

### Responses



Code	Description	Links
200	Order deleted successfully	No Links
403	Unauthorized	No Links
404	Order not found	No Links
500	Database error	No Links

## **POST** /api/payments/add Add a new payment

### Responses

Code	Description	Links
201	Payment added successfully	No Links
403	Unauthorized	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **PUT** /api/payments/{payment\_id} Update a payment

### Parameters

Type	Name	Description	Schema
path	payment_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Payment updated successfully	No Links
403	Unauthorized	No Links
404	Payment not found	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **DELETE** /api/payments/{payment\_id} Delete a payment

### Parameters

Type	Name	Description	Schema
path	payment_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Payment deleted successfully	No Links
403	Unauthorized	No Links
404	Payment not found	No Links
500	Database error	No Links

## ***GET* /api/staff** Get all staff members

### Responses

Code	Description	Links
200	Successfully retrieved staff members	No Links
403	Unauthorized	No Links
500	Database error	No Links

## ***POST* /api/staff/add** Add a new staff member

### Responses

Code	Description	Links
201	Staff member added successfully	No Links
403	Unauthorized	No Links
422	Missing required fields or invalid role/shift	No Links
500	Database error	No Links

## ***GET* /api/staff/{staff\_id}** Get a specific staff member

### Parameters

Type	Name	Description	Schema
path	staff_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Successfully retrieved staff member	No Links
403	Unauthorized	No Links
404	Staff member not found	No Links
500	Database error	No Links

## ***PUT* /api/staff/{staff\_id}** Update a staff member

### Parameters

Type	Name	Description	Schema
path	staff_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Staff member updated successfully	No Links
403	Unauthorized	No Links
404	Staff member not found	No Links
422	Missing required fields	No Links
500	Database error	No Links

## ***DELETE* /api/staff/{staff\_id}** Delete a staff member

### Parameters

Type	Name	Description	Schema
path	staff_id <i>required</i>		integer

### Responses

Code	Description	Links
200	Staff member deleted successfully	No Links
403	Unauthorized	No Links
404	Staff member not found	No Links
500	Database error	No Links

## ***POST* /api/tables/add** Add a new table

### Responses

Code	Description	Links
201	Table added successfully	No Links
403	Unauthorized	No Links
422	Missing required fields	No Links
500	Database error	No Links

## **GET** /api/tables Get all tables

### Responses

Code	Description	Links
200	Successfully retrieved tables	No Links
403	Unauthorized	No Links
500	Database error	No Links

## **GET** /api/tables/{table\_id} Get a specific table

### Parameters

Type	Name	Description	Schema
path	<b>table_id</b> <i>required</i>		integer

### Responses

Code	Description	Links
200	Successfully retrieved table	No Links
403	Unauthorized	No Links
404	Table not found	No Links
500	Database error	No Links

## **PUT** /api/tables/{table\_id} Update a table

### Parameters

Type	Name	Description	Schema
path	<b>table_id</b> <i>required</i>		integer

### Responses

Code	Description	Links
200	Table updated successfully	No Links
403	Unauthorized	No Links
404	Table not found	No Links
422	Missing required fields	No Links
500	Database error	No Links

## ***DELETE* /api/tables/{table\_id} Delete a table**

### *Parameters*

Type	Name	Description	Schema
path	table_id <i>required</i>		integer

### *Responses*

Code	Description	Links
200	Table deleted successfully	No Links
403	Unauthorized	No Links
404	Table not found	No Links
409	Cannot delete table due to active reservations	No Links
500	Database error	No Links

## **Components**