



API Documentation

Here's a production-ready API documentation for the project. The endpoints are grouped based on access level: Public (accessible to everyone), Customer (authenticated users with a customer role), and Admin (accessible to users with an Admin role).

Base URL

All API endpoints are prefixed with the base URL:

```
<http://127.0.0.1:8000/api>
```

1. Public Endpoints

These endpoints are accessible to everyone without authentication.

User Authentication

Register User

Endpoint: `POST /register`

Request Body:

```
{
  "first_name": "John",
  "last_name": "Doe",
  "email": "johndoe@example.com",
  "password": "password123",
}
```

```
"phone": "1234567890"
}
```

Login User

Endpoint: `POST /login`

Request Body:

```
{
  "email": "johndoe@example.com",
  "password": "password123"
}
```

Password Management

Send Password Reset Email

Endpoint: `POST /password/email`

Request Body:

```
{
  "email": "johndoe@example.com"
}
```

Reset Password

Endpoint: `POST /password/reset`

Request Body:

```
{
  "email": "johndoe@example.com",
  "password": "newpassword123",
  "token": "reset_token"
}
```

Category and Menu Viewing

Get Categories

Endpoint: `GET /public/categories`

Get Single Category

Endpoint: `GET /public/categories/{id}`

Get Menu Items

Endpoint: `GET /public/menu-items`

Get Single Menu Item

Endpoint: `GET /public/menu-items/{id}`

Get Testimonials

Endpoint: `GET /public/testimonials`

Get Single Testimonial

Endpoint: `GET /public/testimonials/{id}`

2. Customer Endpoints

Accessible only to authenticated users with a **Customer** role.

User Management

Logout

Endpoint: `POST /logout`

Get Authenticated User

Endpoint: `GET /user`

Testimonials

Submit Testimonial

Endpoint: `POST /testimonials`

Request Body:

```
{
  "content": "This restaurant is fantastic!",
  "rating": 5
}
```

Reservation Management

Create Reservation

Endpoint: `POST /reservations`

Request Body:

```
{
  "reservation_date": "2024-11-10",
  "reservation_time": "19:00",
  "number_of_guests": 4,
  "special_requests": "Window seat"
}
```

View Own Reservation

Endpoint: `GET /reservations/{id}`

Update Reservation

Endpoint: `PUT /reservations/{id}`

Request Body:

```
{
  "reservation_date": "2024-11-10",
  "reservation_time": "20:00",
  "number_of_guests": 5,
}
```

```
"special_requests": "Near the stage"
}
```

Delete Reservation

Endpoint: `DELETE /reservations/{id}`

View Own Testimonials

Endpoint: `GET /users/{user_id}/testimonials`

3. Admin Endpoints

Accessible only to authenticated users with an **Admin** role.

User Management

List Users

Endpoint: `GET /users`

View User

Endpoint: `GET /users/{id}`

Update User

Endpoint: `PUT /users/{id}`

Request Body:

```
{
  "first_name": "Jane",
  "last_name": "Smith",
  "email": "janesmith@example.com",
  "phone": "9876543210",
  "role": "Admin"
}
```

Delete User

Endpoint: `DELETE /users/{id}`

Category Management

Create Category

Endpoint: `POST /categories`

Request Body:

```
{
  "name": "Dinner"
}
```

Update Category

Endpoint: `PUT /categories/{id}`

Request Body:

```
{
  "name": "Updated Category Name"
}
```

Delete Category

Endpoint: `DELETE /categories/{id}`

Menu Item Management

Create Menu Item

Endpoint: `POST /menu-items`

Request Body:

```
{
  "name": "Steak",
  "price": 20.5,
}
```

```
"category_id": 1
}
```

Update Menu Item

Endpoint: `PUT /menu-items/{id}`

Request Body:

```
{
  "name": "Updated Menu Item",
  "price": 25.0
}
```

Delete Menu Item

Endpoint: `DELETE /menu-items/{id}`

Contact Management

List Contacts

Endpoint: `GET /contacts`

View Contact

Endpoint: `GET /contacts/{id}`

Delete Contact

Endpoint: `DELETE /contacts/{id}`

Testimonial Management

Update Testimonial

Endpoint: `PUT /testimonials/{id}`

Request Body:

```
{
  "content": "Updated testimonial content",
  "rating": 4
}
```

Delete Testimonial

Endpoint: `DELETE /testimonials/{id}`

Analytics Management

Overview

Endpoint: `GET /analytics`

Daily Analytics

Endpoint: `GET /analytics/daily`

Weekly Analytics

Endpoint: `GET /analytics/weekly`

Monthly Analytics

Endpoint: `GET /analytics/monthly`

User Analytics

Endpoint: `GET /analytics/user/{id}`

Page Analytics

Endpoint: `GET /analytics/page/{page}`

Notification Management

List Notifications

Endpoint: `GET /notifications`

View Notification

Endpoint: `GET /notifications/{id}`

Create Notification

Endpoint: `POST /notifications`

Request Body:

```
{
  "user_id": 1,
  "title": "Important Update",
  "message": "System will be down for maintenance"
}
```

Delete Notification

Endpoint: `DELETE /notifications/{id}`

Report Management

List Reports

Endpoint: `GET /reports`

View Report

Endpoint: `GET /reports/{id}`

Create Report

Endpoint: `POST /reports`

Request Body:

```
{
  "title": "Weekly Sales",
  "content": "Detailed sales report for the week"
}
```

Delete Report

Endpoint: `DELETE /reports/{id}`

Reservation Management

List All Reservations

Endpoint: `GET /reservations`
