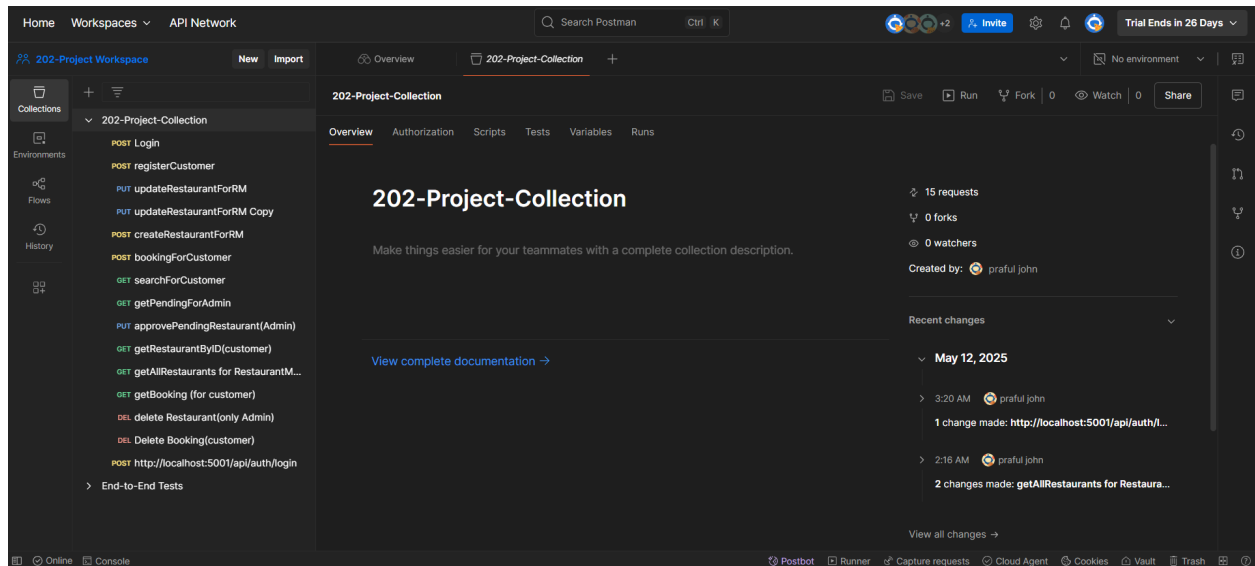# API Documentation- NextGen

[Click here to view all the APIs on Postman](#)

[Click here to view the Postman documenter](#)

202 Project API Documentation

This is the full API documentation for the 202 Project, grouped by functionality and access role.

Authentication APIs

POST /api/auth/login

Logs in a user with email and password. Returns an authentication token upon success(JWT token).

Request Body:

{

  "email": "apurva@gmail.com",

```
  "password": "<password>"

}
```

Customer APIs

POST /api/auth/register

Registers a new customer account.

Request Body:

```
{

 "firstName": "apurva",

  "lastName": "lastname",

  "ContactInfo": "<10didgitphonenumber>",

  "email": "apurva@gmail.com",

  "password": "<password>"

}
```

POST /api/bookings

Creates a booking for the authenticated customer.
Request Body:

```
{

  "restaurantId": "restaurant_id_here",

  "number_of_people": 6,

  "booking_time": "2025-05-11T01:00:00.000Z"

}
```

GET /api/bookings

Retrieves all bookings made by the logged-in customer.

DELETE /api/bookings/:id

Cancels a booking by its booking ID.

GET /api/restaurants/search?time=&people=&location=

Searches for restaurants based on location, time, and number of people.

GET /api/restaurants/:id

Fetches detailed information about a restaurant by ID (for customer view).

Restaurant Manager APIs

POST /api/restaurants

Creates a new restaurant listing.
Request Body:

{

  "name": "Henry's World Famous Hi-Life",

  "address": "301 West Saint John Street, San Jose",

  "contactInfo": "4311294134",

  "hours": "11:00 AM - 9:00 PM",

  "cuisineType": "Steakhouse",

  "costRating": "Expensive",

  "description": "Henry's World Famous Hi-Life is a popular indian restaurant located in 301 West Saint John Street, San Jose.",

  "main_image": "main imagelink",

  "images": [

   "image link1",

   "image link2"

],

"price": "REGULAR",

"tableDistribution": [

  {

    "size": 16,

    "count": 4

  },

  {

    "size": 8,

    "count": 3

  }

],

"availableTimes": [

  "12:00",

  "14:00",

  "18:30"

],

"locationCoords": {

  "lat": 37.3353822,

  "lng": -121.8981047

},

"location": "San Jose",

"cuisine": "Steakhouse",

"googlePlaceId": "ChIJkXmJt6HMj4AR_CU3a1r9eYg",

```
    "reviews": [],

    "bookings": [],

    "tables": []

  }
```

PUT /api/restaurants/:id

Updates details of an existing restaurant managed by the logged-in Restaurant Manager.

Request Body:

```
{

  "name": "La Fiesta Grill - Updated",

  "address": "789 New Street, San Jose, CA",

  "contactInfo": "408-999-8888",

  "hours": "10:00 AM - 8:00 PM",

  "availableTimes": ["11:00", "13:00", "18:00"],

  "tableSizes": [

    { "size": 2, "count": 3 },

    { "size": 6, "count": 2 }

  ],

  "description": "New fusion-style menu featuring Latin and California dishes.",

  "main_image": "https://example.com/images/la-fiesta-main-fusion.jpg",

  "images": [

    "https://example.com/images/fusion-1.jpg",

    "https://example.com/images/fusion-2.jpg",

    "https://example.com/images/fusion-3.jpg"

  ]
```

}

GET /api/restaurants/my

Retrieves all approved managed by the current Restaurant Manager.

GET /api/restaurants/my?status=Approved

Retrieves all approved restaurants managed by the current Restaurant Manager.

Admin APIs

GET /api/restaurants/pending

Returns a list of restaurants awaiting admin approval.

PUT /api/restaurants/:id/approve

Approves a pending restaurant submitted by a Restaurant Manager.

DELETE /api/restaurants/:id

Deletes a restaurant from the system. Only accessible to Admin users.

Notes

- All protected routes require an Authorization header in the format:
  `Authorization: Bearer <your_token_here>`
- Timestamps (e.g., `booking_time`) should be in ISO 8601 format.
- This documentation assumes `Content-Type: application/json` for all request bodies.