CB013040- SENESH MANUKASANDARUWAN

SSP2 SRS Document

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1. Introduction

1.1 Purpose

This document outlines the software requirements for an online platform dedicated to selling homemade sweets. The aim of this system is to allow customers to explore, purchase, and receive homemade sweets via the internet while enabling the business to organize inventory, process orders, and maintain customer data.

1.2 Scope

This platform will concentrate on selling homemade sweets directly to consumers. Key features will include a product catalogue, order management, customer account administration, and an integrated payment processing system. What's more, customer information will be stored for future use and personalized marketing efforts.

1.3 Definitions, Acronyms, and Abbreviations

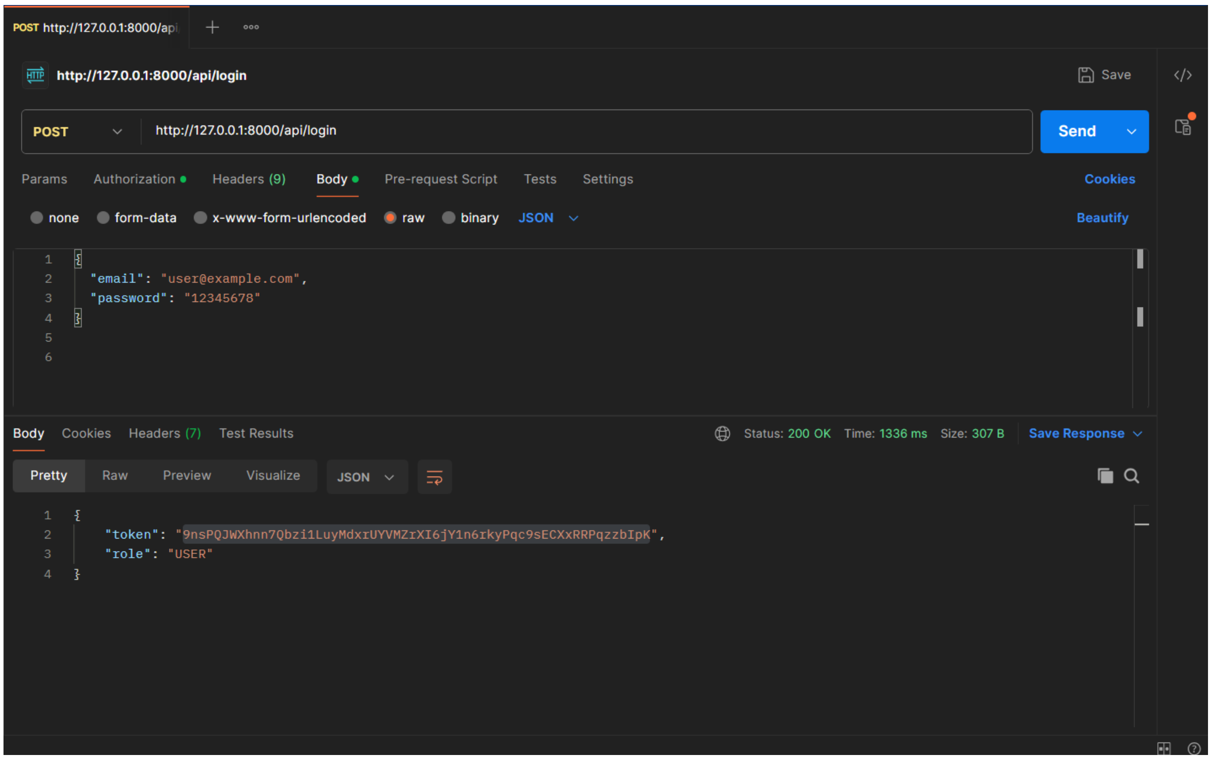
SRS:	Software Requirements Specification
UI:	User Interface
API:	Application Programming Interface

1.4 Overview

The system will provide a front-end interface for customers and a back-end interface for the business owner. The platform will assist browsing for sweets, placing orders, handling payments, and storing customer information.

2. API's Screenshots

2.1 Login



POST http://127.0.0.1:8000/api/login

Params | Authorization | Headers (9) | Body | Pre-request Script | Tests | Settings

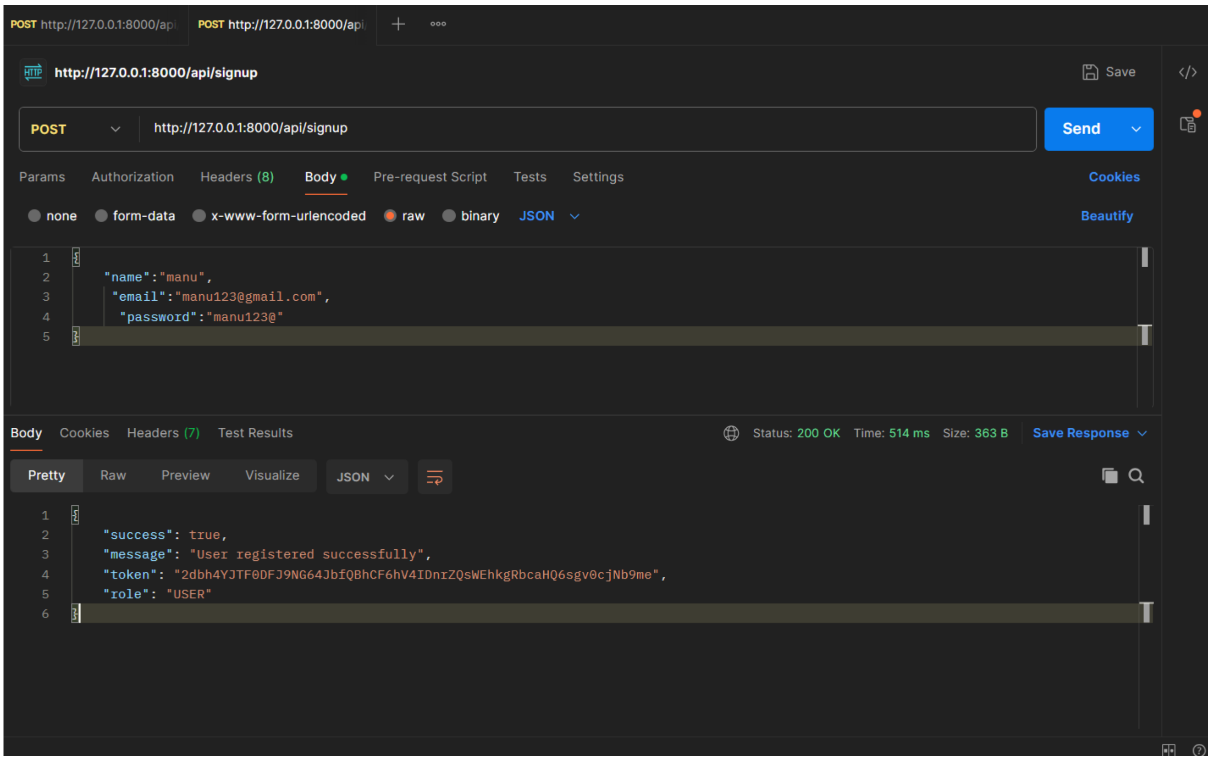
none | form-data | x-www-form-urlencoded | raw | binary | JSON

```
{
  "email": "user@example.com",
  "password": "12345678"
}
```

Body | Cookies | Headers (7) | Test Results — Status: 200 OK Time: 1336 ms Size: 307 B

```
{
    "token": "9nsPQJWXhnn7Qbz11LuyMdxrUYVMZrXI6jY1n6rkyPqc9sECXxRRPqzzbIpK",
    "role": "USER"
}
```

2.2 Sign Up



POST http://127.0.0.1:8000/api/signup

Params | Authorization | Headers (8) | Body | Pre-request Script | Tests | Settings

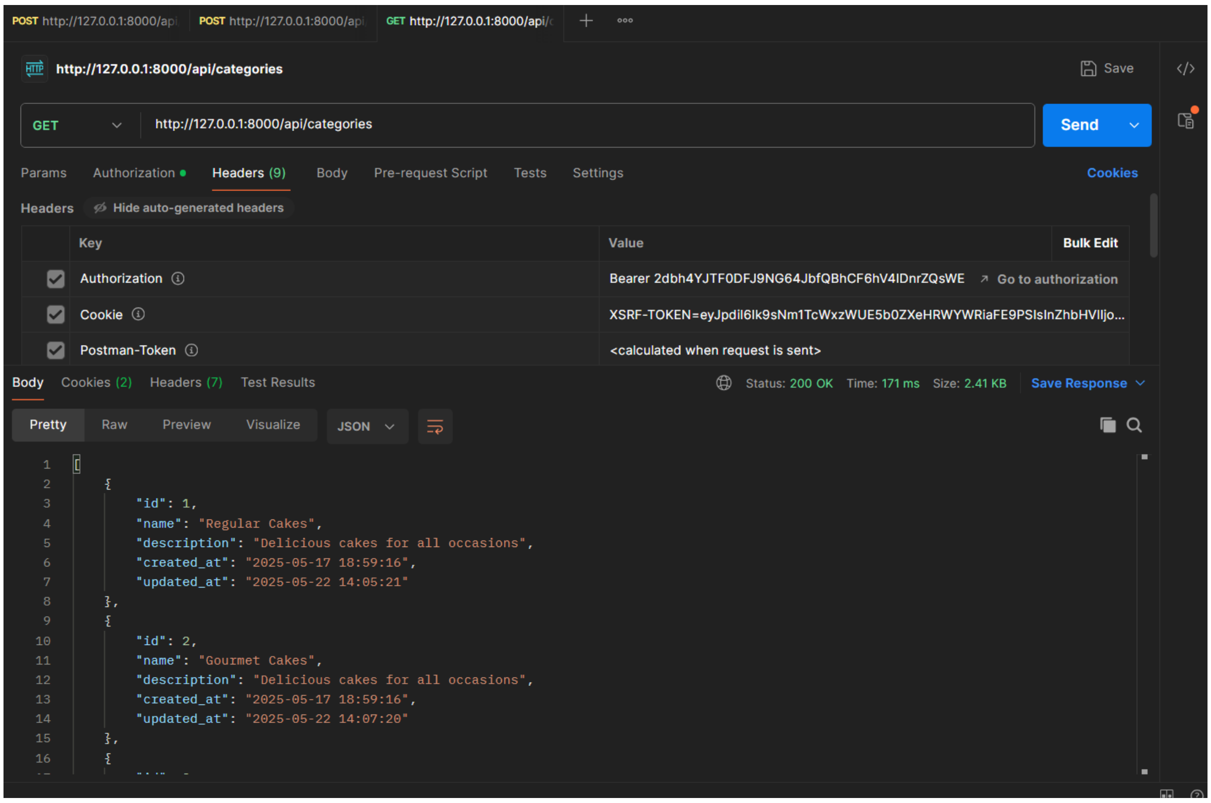
none | form-data | x-www-form-urlencoded | raw | binary | JSON

```
{
    "name":"manu",
     "email":"manu123@gmail.com",
      "password":"manu123@"
}
```

Body | Cookies | Headers (7) | Test Results — Status: 200 OK Time: 514 ms Size: 363 B

```
{
    "success": true,
    "message": "User registered successfully",
    "token": "2dbh4YJTF0DFJ9NG64JbfQBhCF6hV4IDnrZQsWEhkgRbcaHQ6sgv0cjNb9me",
    "role": "USER"
}
```

2.3 Get Categories



POST http://127.0.0.1:8000/api POST http://127.0.0.1:8000/api GET http://127.0.0.1:8000/api/c

http://127.0.0.1:8000/api/categories

GET http://127.0.0.1:8000/api/categories

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Headers Hide auto-generated headers

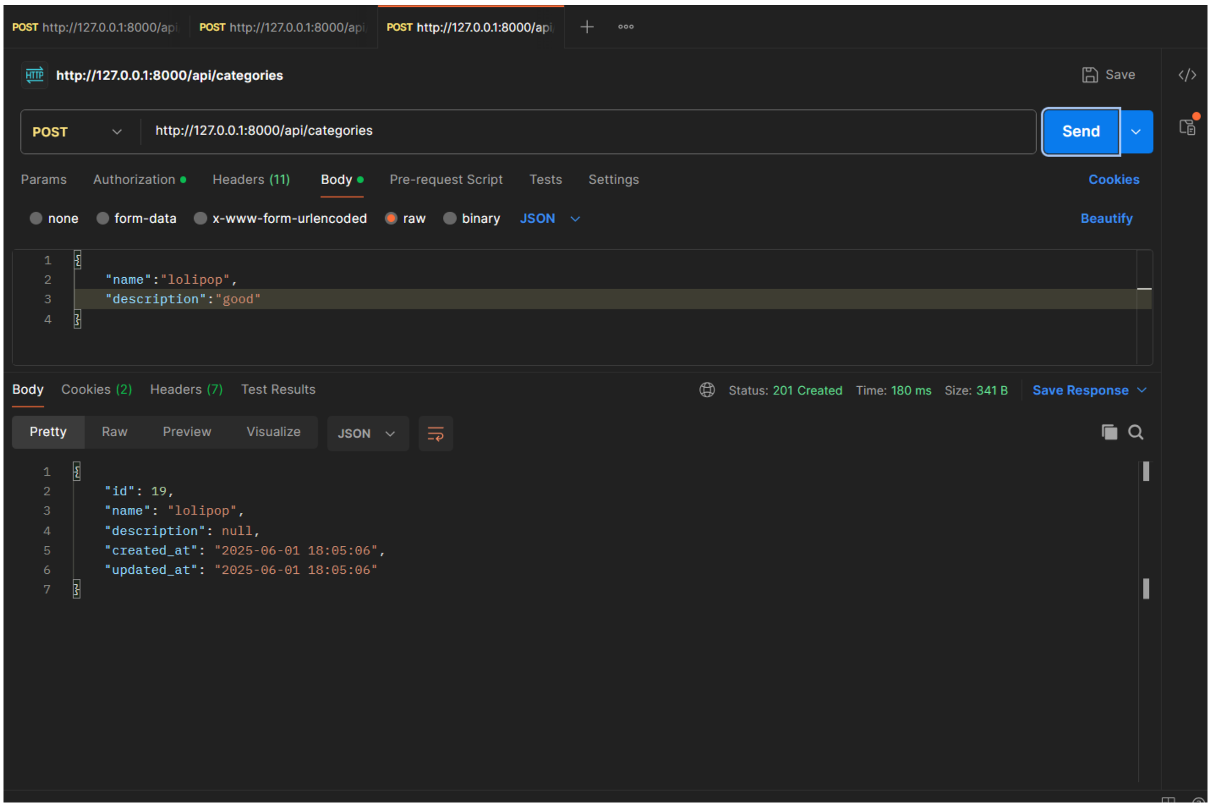
	Key	Value
✓	Authorization	Bearer 2dbh4YJTF0DFJ9NG64JbfQBhCF6hV4lDnrZQsWE ↗ Go to authorization
✓	Cookie	XSRF-TOKEN=eyJpdil6Ik9sNm1TcWxzWUE5b0ZXeHRWYWRiaFE9PSIsInZhbHVlIjo...
✓	Postman-Token	<calculated when request is sent>

Body Cookies (2) Headers (7) Test Results — Status: 200 OK Time: 171 ms Size: 2.41 KB Save Response

Pretty Raw Preview Visualize JSON

```
[
    {
        "id": 1,
        "name": "Regular Cakes",
        "description": "Delicious cakes for all occasions",
        "created_at": "2025-05-17 18:59:16",
        "updated_at": "2025-05-22 14:05:21"
    },
    {
        "id": 2,
        "name": "Gourmet Cakes",
        "description": "Delicious cakes for all occasions",
        "created_at": "2025-05-17 18:59:16",
        "updated_at": "2025-05-22 14:07:20"
    },
    {
```

2.4 Add Categories



POST http://127.0.0.1:8000/api POST http://127.0.0.1:8000/api POST http://127.0.0.1:8000/api

http://127.0.0.1:8000/api/categories

POST http://127.0.0.1:8000/api/categories

Params Authorization Headers (11) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded [✓ raw] binary JSON Beautify

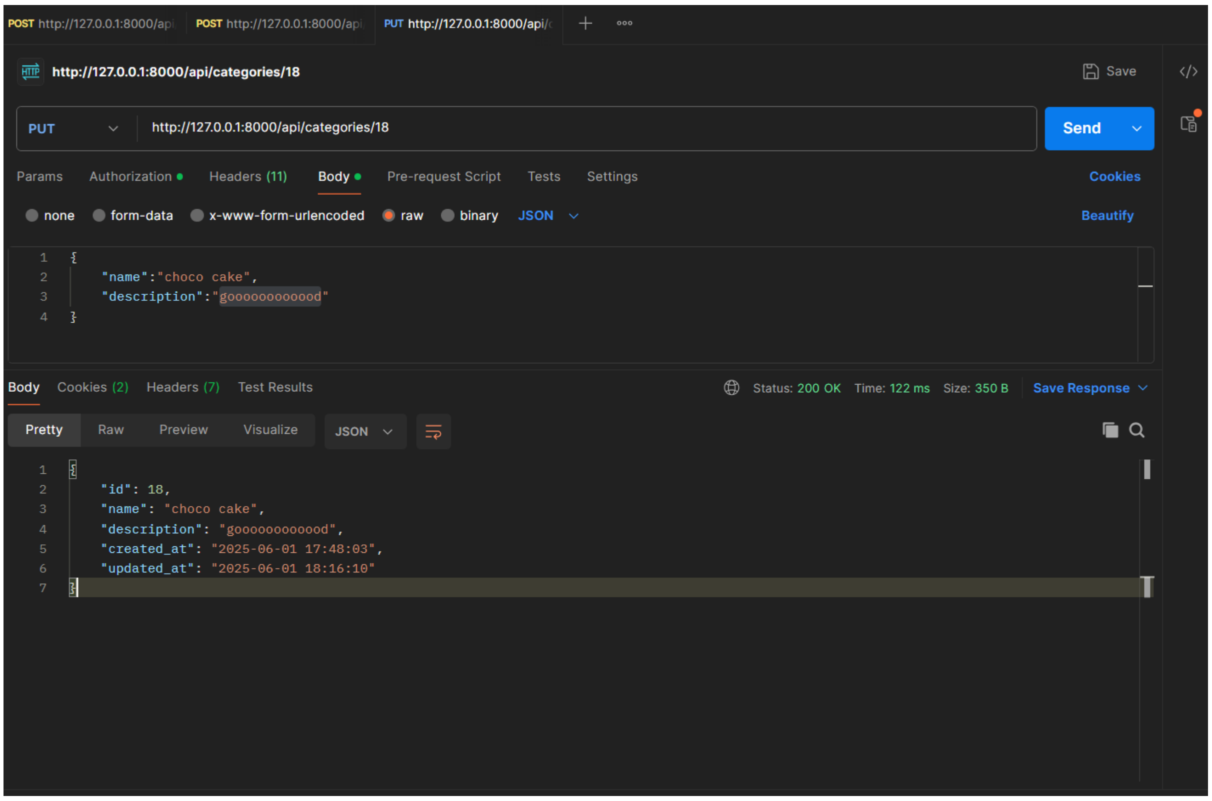
```
{
    "name":"lolipop",
    "description":"good"
}
```

Body Cookies (2) Headers (7) Test Results — Status: 201 Created Time: 180 ms Size: 341 B Save Response

Pretty Raw Preview Visualize JSON

```
{
    "id": 19,
    "name": "lolipop",
    "description": null,
    "created_at": "2025-06-01 18:05:06",
    "updated_at": "2025-06-01 18:05:06"
}
```

2.5 Edit Categories



http://127.0.0.1:8000/api/categories/18

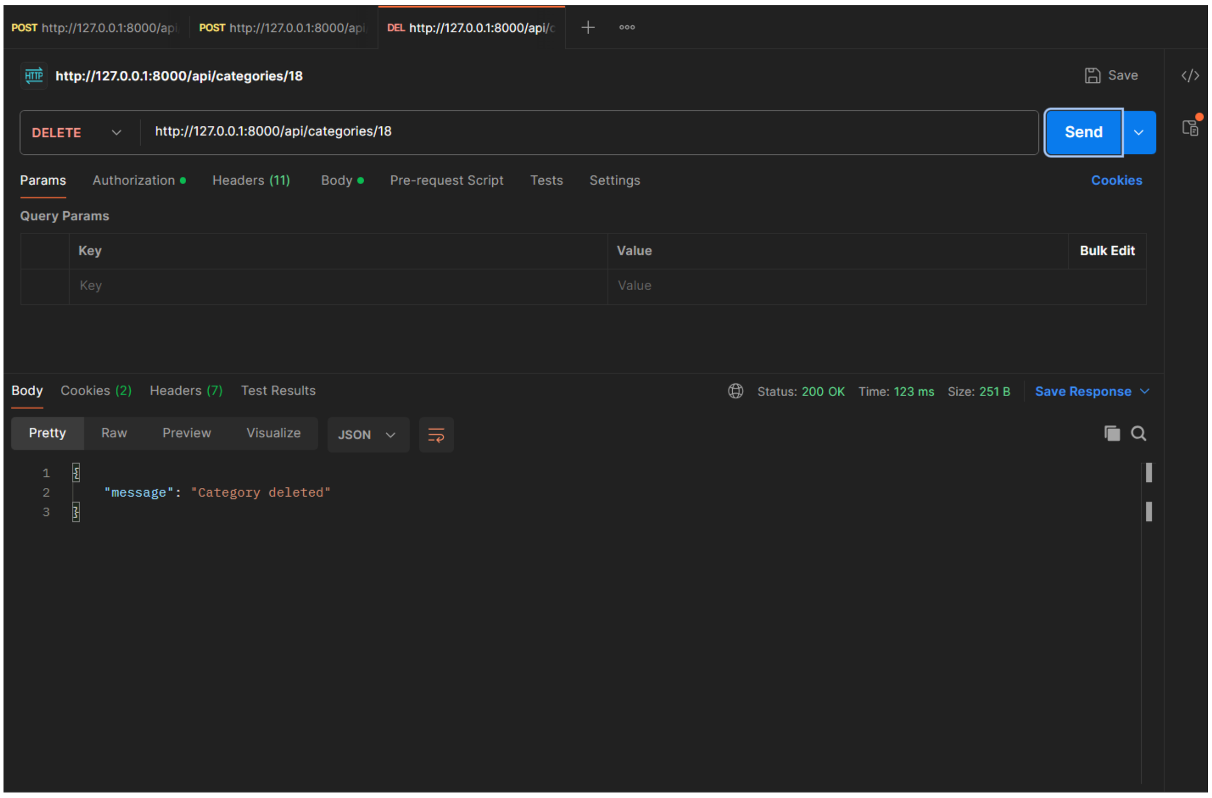
PUT http://127.0.0.1:8000/api/categories/18

```
{
    "name":"choco cake",
    "description":"gooooooooooood"
}
```

Status: 200 OK Time: 122 ms Size: 350 B

```
{
    "id": 18,
    "name": "choco cake",
    "description": "gooooooooooood",
    "created_at": "2025-06-01 17:48:03",
    "updated_at": "2025-06-01 18:16:10"
}
```

2.6 Delete Categories



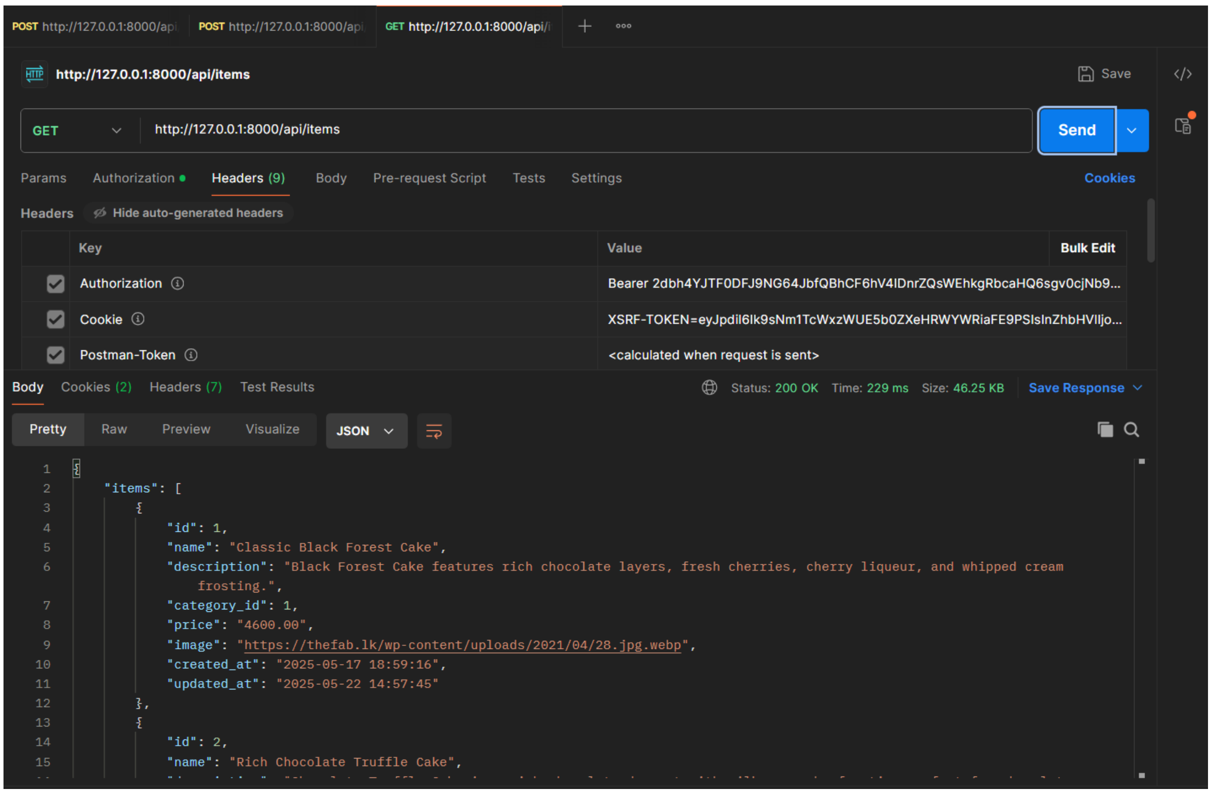
http://127.0.0.1:8000/api/categories/18

DELETE http://127.0.0.1:8000/api/categories/18

Status: 200 OK Time: 123 ms Size: 251 B

```
{
    "message": "Category deleted"
}
```

2.7 Get Items


GET http://127.0.0.1:8000/api/items

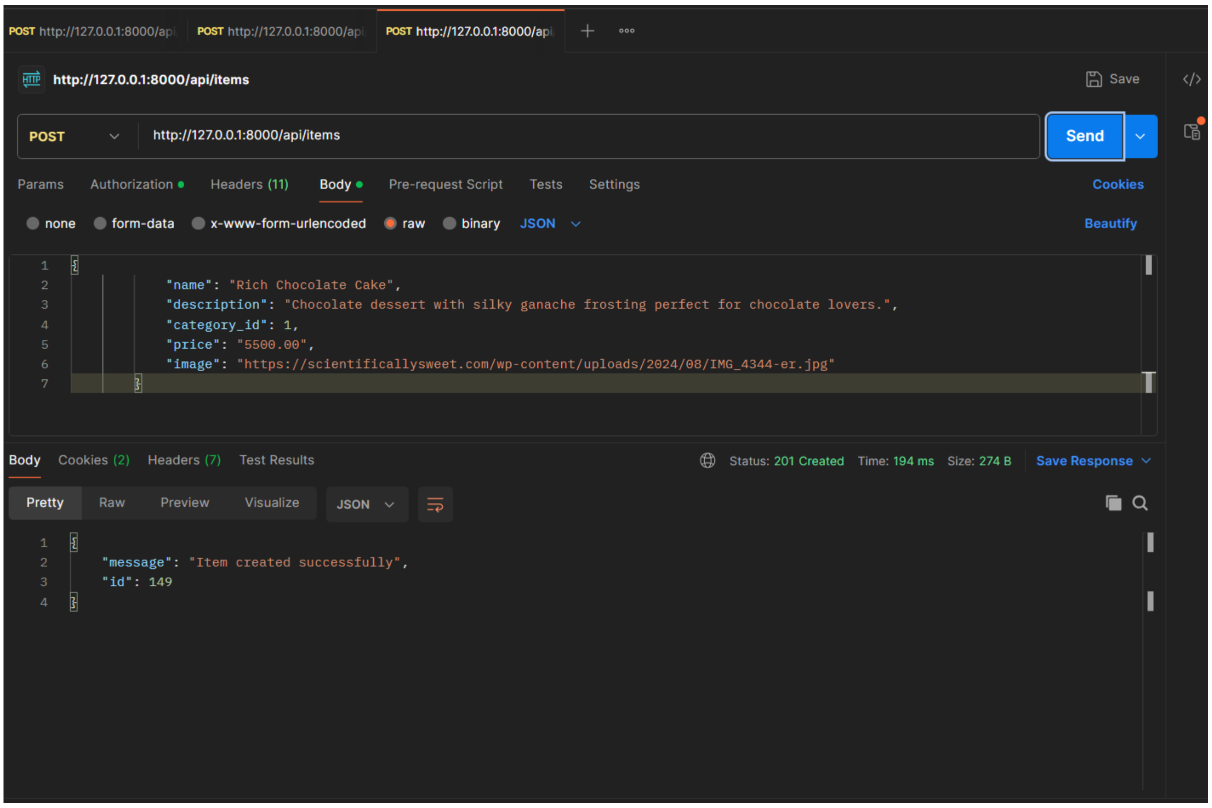
Headers (9)

	Key	Value
✓	Authorization	Bearer 2dbh4YJTF0DFJ9NG64JbfQBhCF6hV4lDnrZQsWEhkgRbcaHQ6sgv0cjNb9...
✓	Cookie	XSRF-TOKEN=eyJpdiI6Ik9sNm1TcWxzWUE5b0ZXeHRWYWRiaFE9PSIsInZhbHVlIjo...
✓	Postman-Token	<calculated when request is sent>

Status: 200 OK Time: 229 ms Size: 46.25 KB

```
{
    "items": [
        {
            "id": 1,
            "name": "Classic Black Forest Cake",
            "description": "Black Forest Cake features rich chocolate layers, fresh cherries, cherry liqueur, and whipped cream
                frosting.",
            "category_id": 1,
            "price": "4600.00",
            "image": "https://thefab.lk/wp-content/uploads/2021/04/28.jpg.webp",
            "created_at": "2025-05-17 18:59:16",
            "updated_at": "2025-05-22 14:57:45"
        },
        {
            "id": 2,
            "name": "Rich Chocolate Truffle Cake",
```

2.8 Add Items

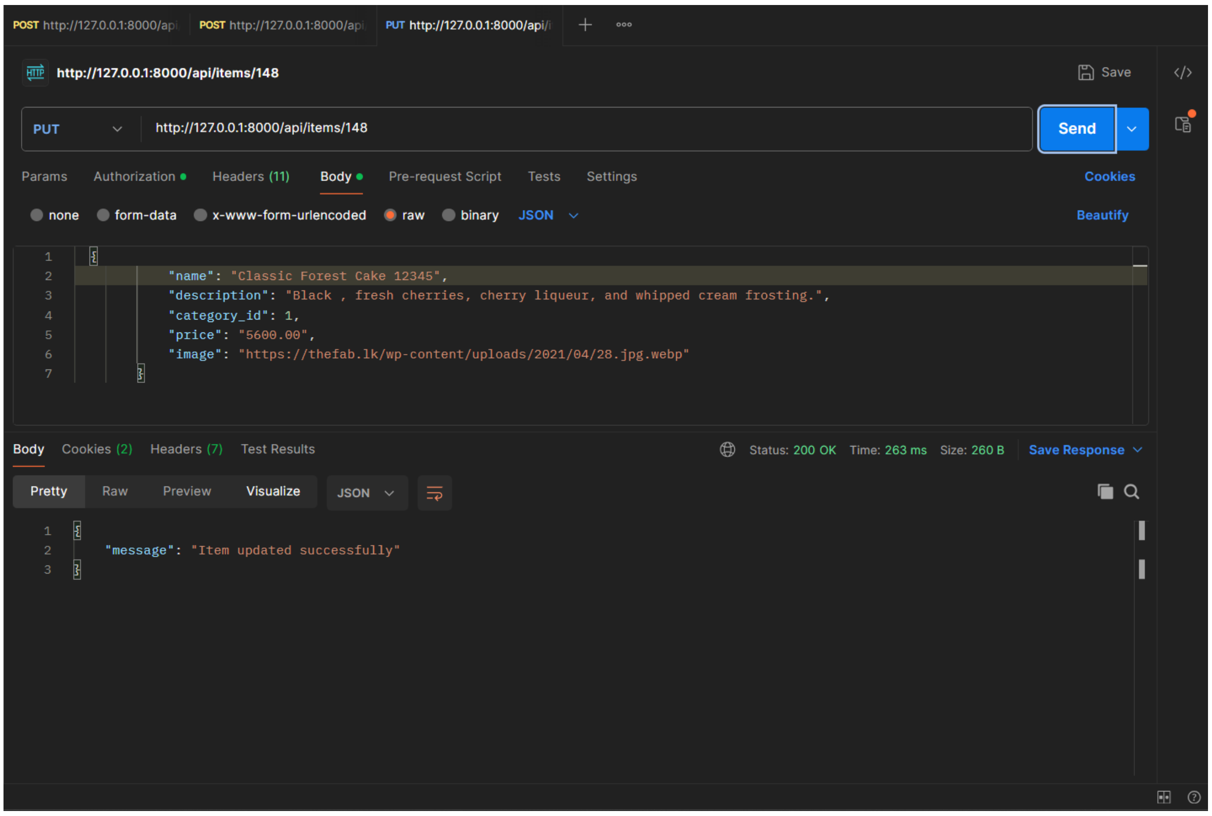

POST http://127.0.0.1:8000/api/items

```
{
        "name": "Rich Chocolate Cake",
        "description": "Chocolate dessert with silky ganache frosting perfect for chocolate lovers.",
        "category_id": 1,
        "price": "5500.00",
        "image": "https://scientificallysweet.com/wp-content/uploads/2024/08/IMG_4344-er.jpg"
    }
```

Status: 201 Created Time: 194 ms Size: 274 B

```
{
    "message": "Item created successfully",
    "id": 149
}
```

2.9 Edit Items



http://127.0.0.1:8000/api/items/148

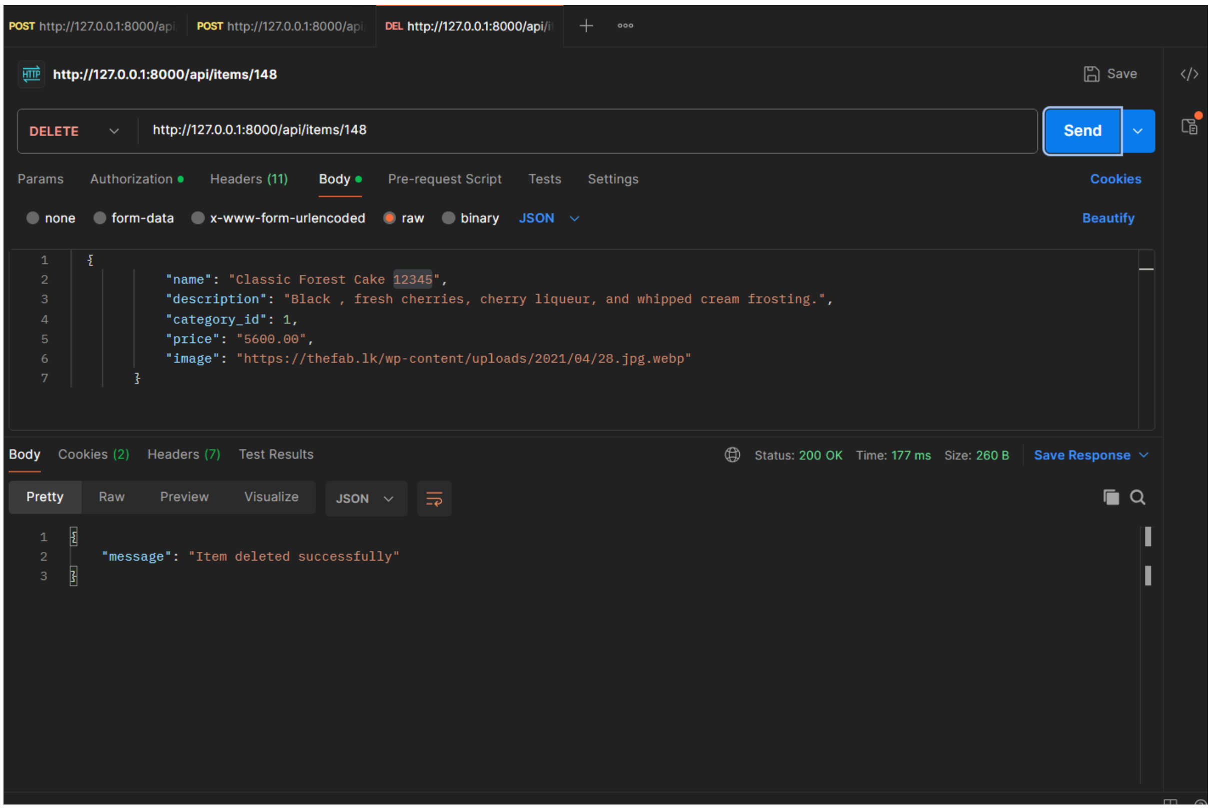
PUT http://127.0.0.1:8000/api/items/148

```
{
        "name": "Classic Forest Cake 12345",
        "description": "Black , fresh cherries, cherry liqueur, and whipped cream frosting.",
        "category_id": 1,
        "price": "5600.00",
        "image": "https://thefab.lk/wp-content/uploads/2021/04/28.jpg.webp"
    }
```

Status: 200 OK Time: 263 ms Size: 260 B

```
{
    "message": "Item updated successfully"
}
```

2.10 Delete Items



http://127.0.0.1:8000/api/items/148

DELETE http://127.0.0.1:8000/api/items/148

```
{
        "name": "Classic Forest Cake 12345",
        "description": "Black , fresh cherries, cherry liqueur, and whipped cream frosting.",
        "category_id": 1,
        "price": "5600.00",
        "image": "https://thefab.lk/wp-content/uploads/2021/04/28.jpg.webp"
    }
```

Status: 200 OK Time: 177 ms Size: 260 B

```
{
    "message": "Item deleted successfully"
}
```

3. Test Cases

3.1 Authentication

Test Case ID	Test Case Description	Test Steps	Expected Result	Status
TC-001	Register a new user	Navigate to sign-up page, enter valid details, submit.	User account is created, and user can log in.	PASS
TC-002	Log in with valid credentials	Navigate to login page, enter valid credentials, submit.	User logs in successfully and is redirected to home.	PASS
TC-003	Log in with invalid credentials	Enter incorrect username/password, submit.	Error message is displayed: "Invalid login details."	PASS
TC-004	Log out	Click the "Logout" button.	User session ends, redirected to login page.	PASS

3.2 Searching Items

Test Case ID	Test Case Description	Test Steps	Expected Result	Status
TC-005	View items by category	Select a category (e.g., "Gourmet Cakes").	Items belonging to that category are displayed.	PASS
TC-006	Search for an item by name	Enter an item name (e.g., "Black Forest Cake") in the search bar.	Matching items are shown.	PASS
TC-007	View item details	Click on an item in the item list.	Item details page displays complete information (price, desc.).	PASS

3.3 Shopping Cart

Test Case ID	Test Case Description	Test Steps	Expected Result	Status
TC-008	Add item to shopping cart	From item page, click "Add to Cart" button.	Item is added to the cart.	PASS

TC-009	View shopping cart	Navigate to "Cart" page.	All items in cart with details (name, quantity, price) are shown.	PASS
TC-010	Update item quantity in cart	In cart, change quantity and update.	Updated quantity reflects in the cart.	PASS
TC-011	Remove item from cart	In cart, click "Remove" on an item.	Item is removed from the cart.	PASS

3.4 Order & Checkout

Test Case ID	Test Case Description	Test Steps	Expected Result	Status
TC-012	Place an order with valid details	Go to cart, click checkout, fill in shipping/payment details, confirm.	Order is placed and appears in "Orders" page.	PASS
TC-013	View order status	Go to "My Orders" section.	Orders show correct status (e.g., pending, shipped, delivered).	PASS
TC-014	Cancel an order (if allowed by status)	In "My Orders," click "Cancel Order" for eligible order.	Order status updates to "Cancelled."	PASS

3.5 Categories & Items (Admin Side)

Test Case ID	Test Case Description	Test Steps	Expected Result	Status
TC-015	Admin adds a new category	Go to "Add Category," enter name & description, click "Save."	Category appears in the category list.	PASS
TC-016	Admin edits a category	Go to "Categories," click "Edit" on a category, update details, save.	Category details updated and visible to users.	PASS
TC-017	Admin deletes a category	Go to "Categories," click "Delete" on a category.	Category is removed from the database and store view.	PASS
TC-018	Admin adds a new item	Go to "Add Item," enter item details (name,	Item is added and visible in relevant category.	PASS

		price, image, etc.), click save.		
TC-019	Admin edits an existing item	Go to "Items," click "Edit" on an item, update details, save.	Item’s new details saved and visible to users.	PASS
TC-020	Admin deletes an item	Go to "Items," click "Delete" on an item.	Item is removed from the database and not visible in store.	PASS