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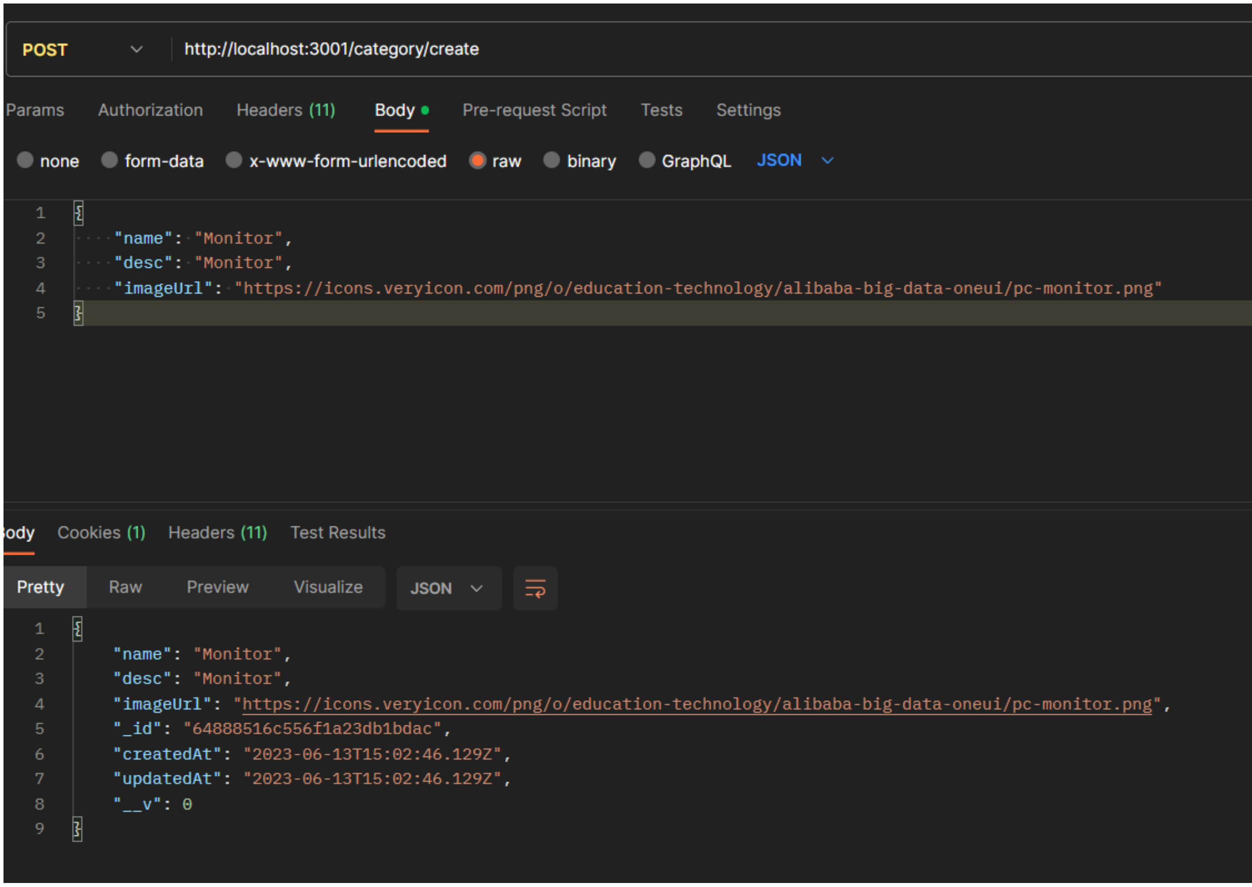
TP11 Assignment

Git url: https://github.com/LyhongPich/TP-Internet-Programming/tree/TP11

Ex1: CRUD Apis

- CRUD Apis for category
    - Create category

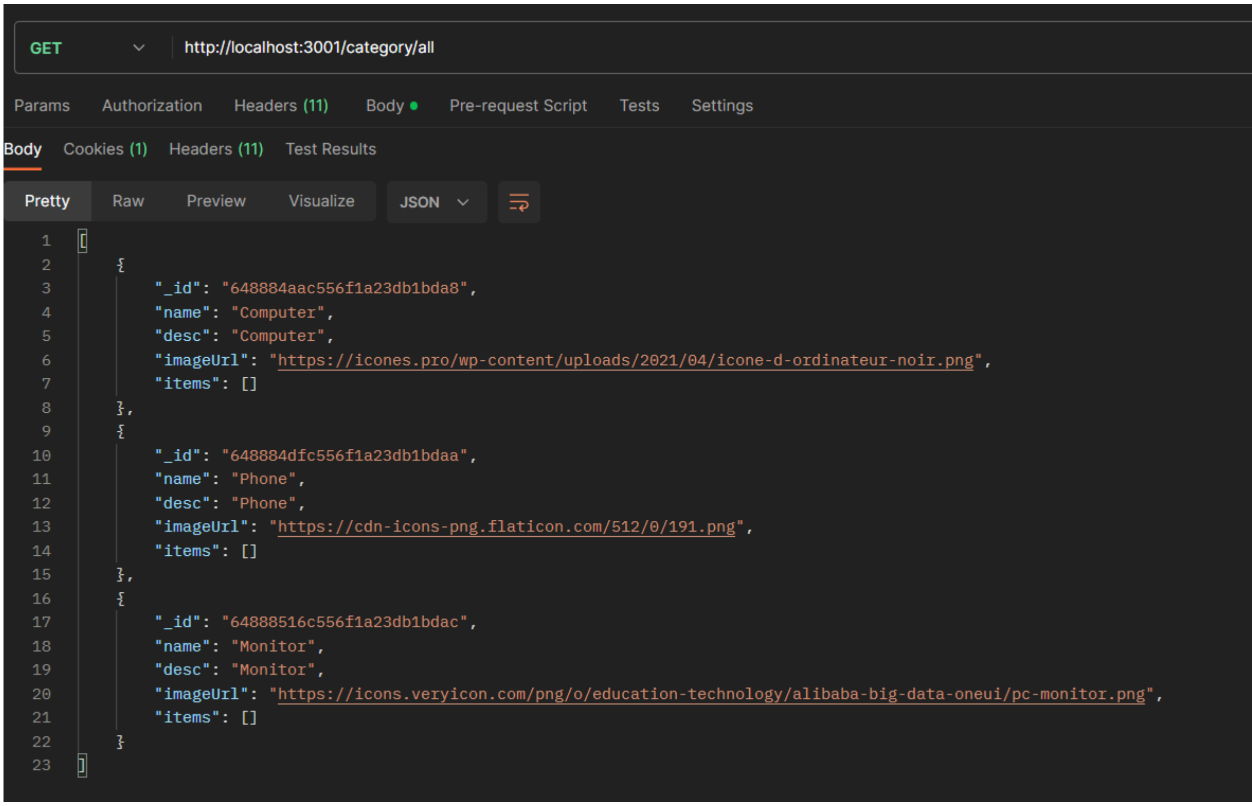

Params
Authorization
Headers (11)
Body
Pre-request Script
Tests
Settings
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
ody
Cookies (1)
Headers (11)
Test Results
Pretty
Raw
Preview
Visualize
JSON

POST http://localhost:3001/category/create

```
{
    "name": "Monitor",
    "desc": "Monitor",
    "imageUrl": "https://icons.veryicon.com/png/o/education-technology/alibaba-big-data-oneui/pc-monitor.png"
}
```

```
{
    "name": "Monitor",
    "desc": "Monitor",
    "imageUrl": "https://icons.veryicon.com/png/o/education-technology/alibaba-big-data-oneui/pc-monitor.png",
    "_id": "64888516c556f1a23db1bdac",
    "createdAt": "2023-06-13T15:02:46.129Z",
    "updatedAt": "2023-06-13T15:02:46.129Z",
    "__v": 0
}
```

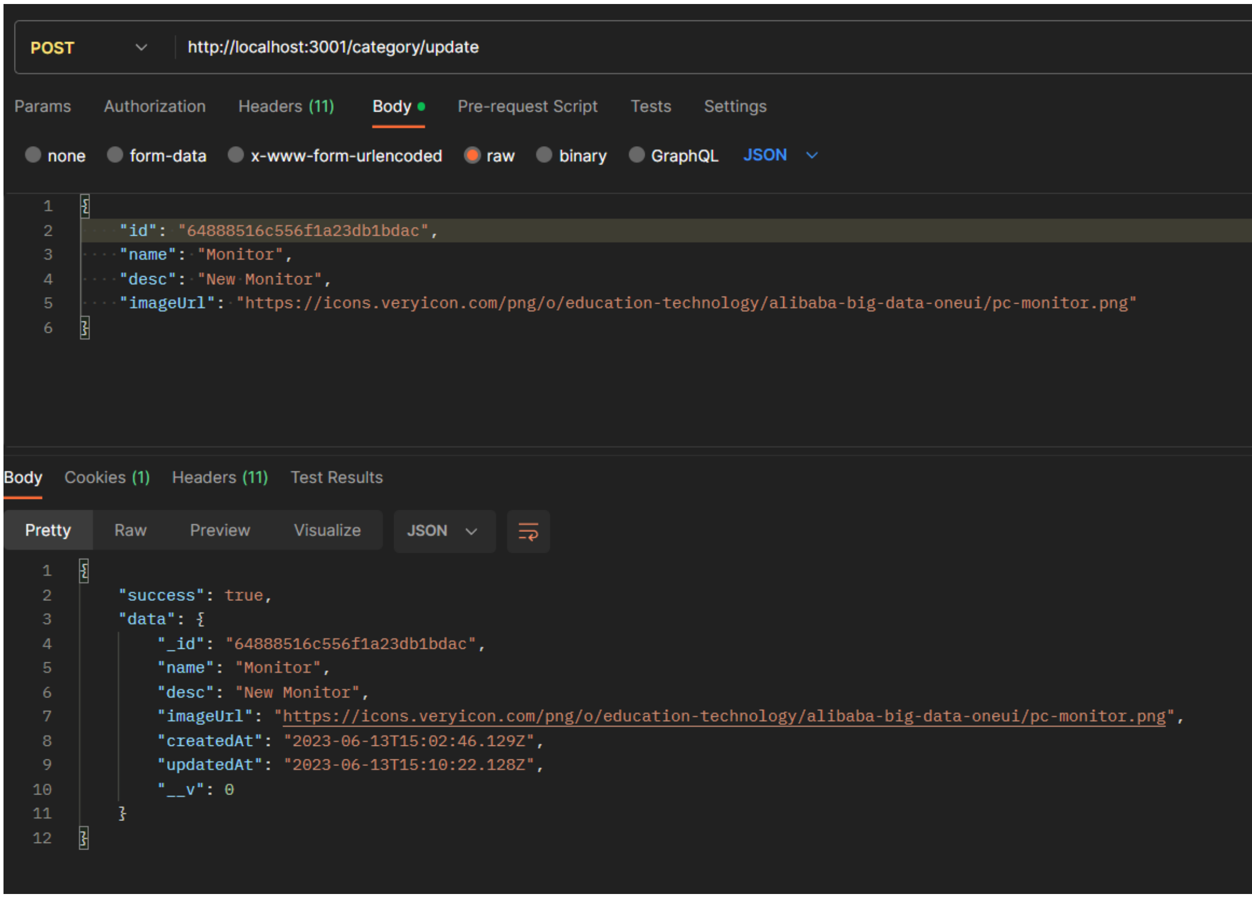
    - Get all categories


Params
Authorization
Headers (11)
Body
Pre-request Script
Tests
Settings
Body
Cookies (1)
Headers (11)
Test Results
Pretty
Raw
Preview
Visualize
JSON

GET http://localhost:3001/category/all

```
[
    {
        "_id": "648884aac556f1a23db1bda8",
        "name": "Computer",
        "desc": "Computer",
        "imageUrl": "https://icones.pro/wp-content/uploads/2021/04/icone-d-ordinateur-noir.png",
        "items": []
    },
    {
        "_id": "648884dfc556f1a23db1bdaa",
        "name": "Phone",
        "desc": "Phone",
        "imageUrl": "https://cdn-icons-png.flaticon.com/512/0/191.png",
        "items": []
    },
    {
        "_id": "64888516c556f1a23db1bdac",
        "name": "Monitor",
        "desc": "Monitor",
        "imageUrl": "https://icons.veryicon.com/png/o/education-technology/alibaba-big-data-oneui/pc-monitor.png",
        "items": []
    }
]
```

- Update category


Params
Authorization
Headers (11)
Body
Pre-request Script
Tests
Settings
none
form-data
x-www-form-urlencoded
binary
GraphQL
Cookies (1)
Headers (11)
Test Results
Pretty
Raw
Preview
Visualize
JSON

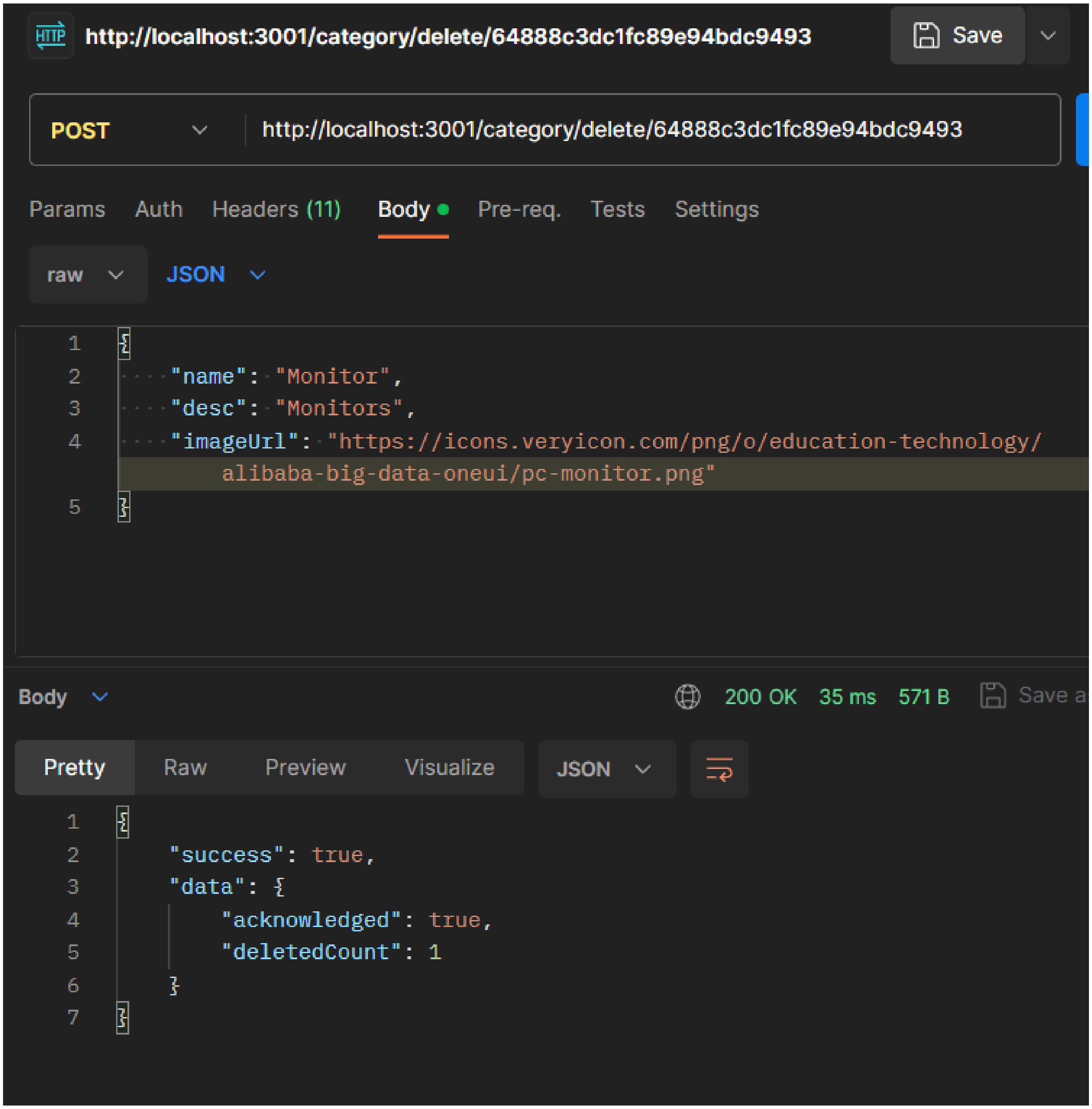
POST http://localhost:3001/category/update

Body: ● raw JSON

```
{
    "id": "64888516c556f1a23db1bdac",
    "name": "Monitor",
    "desc": "New Monitor",
    "imageUrl": "https://icons.veryicon.com/png/o/education-technology/alibaba-big-data-oneui/pc-monitor.png"
}
```

```
{
    "success": true,
    "data": {
        "_id": "64888516c556f1a23db1bdac",
        "name": "Monitor",
        "desc": "New Monitor",
        "imageUrl": "https://icons.veryicon.com/png/o/education-technology/alibaba-big-data-oneui/pc-monitor.png",
        "createdAt": "2023-06-13T15:02:46.129Z",
        "updatedAt": "2023-06-13T15:10:22.128Z",
        "__v": 0
    }
}
```

- Remove Category


Save
Params
Auth
Headers (11)
Body
Pre-req.
Tests
Settings
raw
JSON
Body
Pretty
Raw
Preview
Visualize
JSON
Save a

http://localhost:3001/category/delete/64888c3dc1fc89e94bdc9493

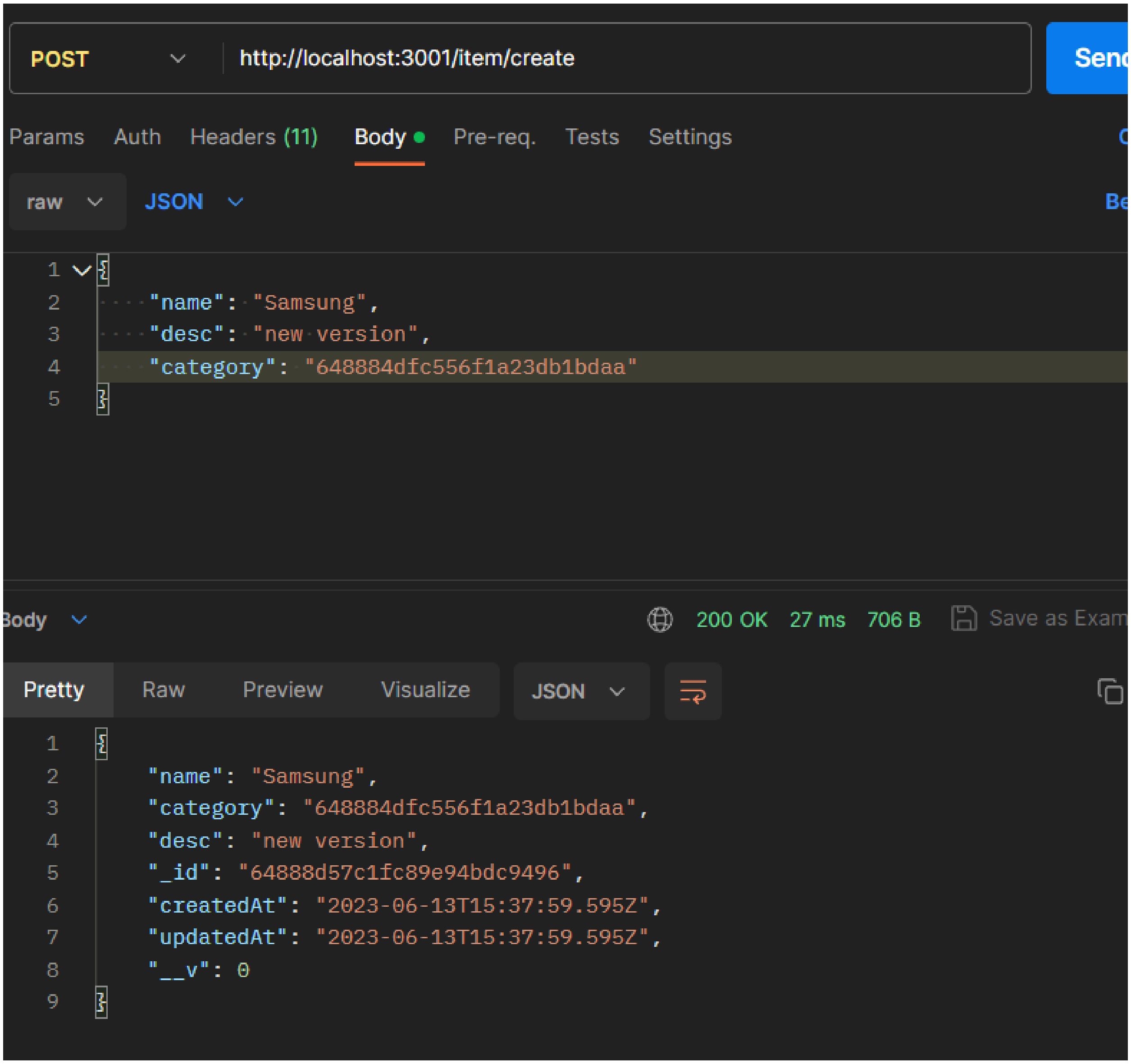
POST http://localhost:3001/category/delete/64888c3dc1fc89e94bdc9493

```
{
    "name": "Monitor",
    "desc": "Monitors",
    "imageUrl": "https://icons.veryicon.com/png/o/education-technology/alibaba-big-data-oneui/pc-monitor.png"
}
```

200 OK 35 ms 571 B

```
{
    "success": true,
    "data": {
        "acknowledged": true,
        "deletedCount": 1
    }
}
```

- CRUD Apis for sub-category
    - Create sub-category


Send
Params
Auth
Headers (11)
Body
Pre-req.
Tests
Settings
raw
JSON
Body
Save as Exam
Pretty
Raw
Preview
Visualize
JSON

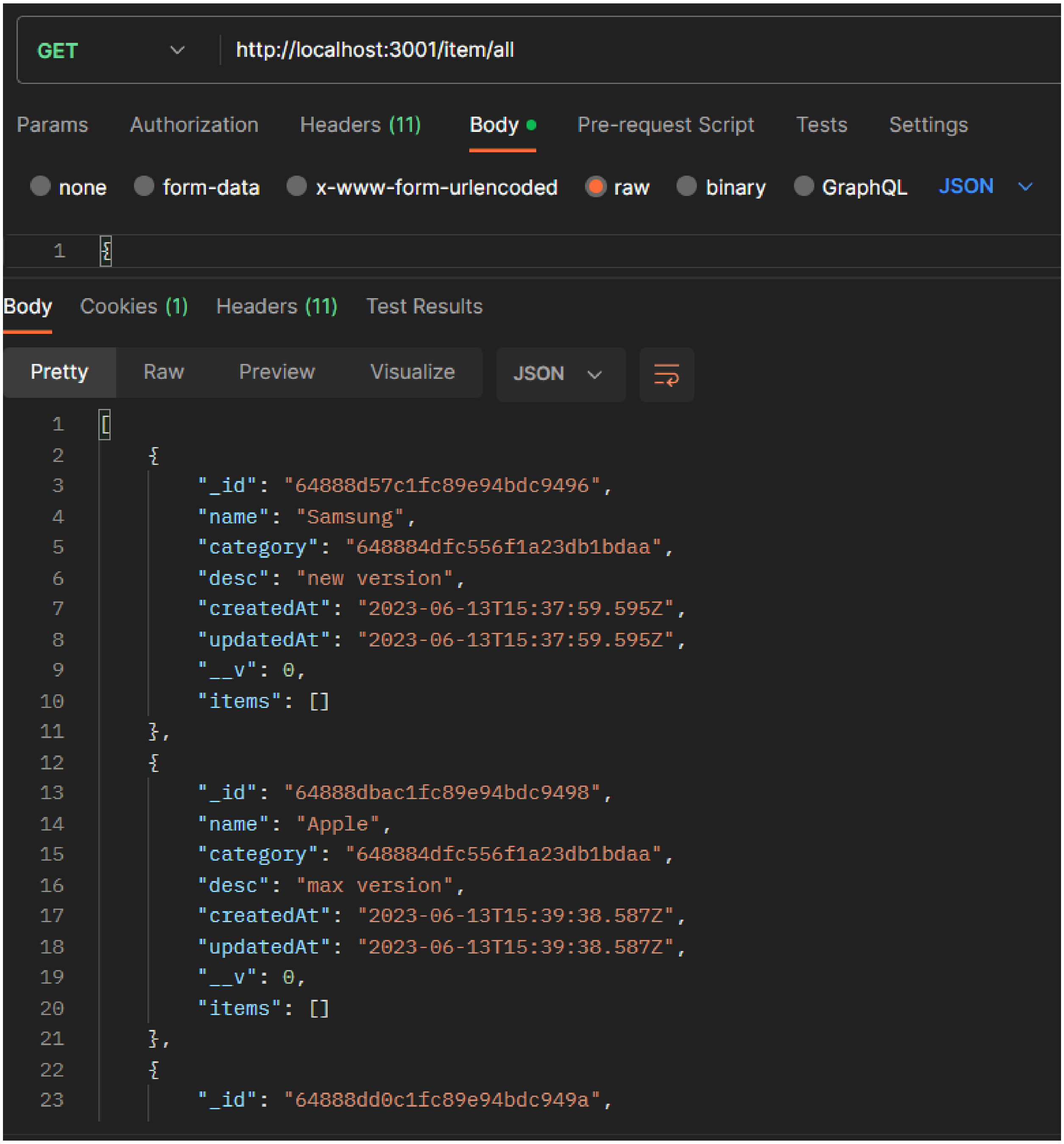
```
POST http://localhost:3001/item/create
```

```
{
    "name": "Samsung",
    "desc": "new version",
    "category": "648884dfc556f1a23db1bdaa"
}
```

200 OK 27 ms 706 B

```
{
    "name": "Samsung",
    "category": "648884dfc556f1a23db1bdaa",
    "desc": "new version",
    "_id": "64888d57c1fc89e94bdc9496",
    "createdAt": "2023-06-13T15:37:59.595Z",
    "updatedAt": "2023-06-13T15:37:59.595Z",
    "__v": 0
}
```

- Get all sub-categories


Params
Authorization
Headers (11)
Body
Pre-request Script
Tests
Settings
none
form-data
x-www-form-urlencoded
binary
GraphQL
Body
Cookies (1)
Headers (11)
Test Results
Pretty
Raw
Preview
Visualize

GET http://localhost:3001/item/all

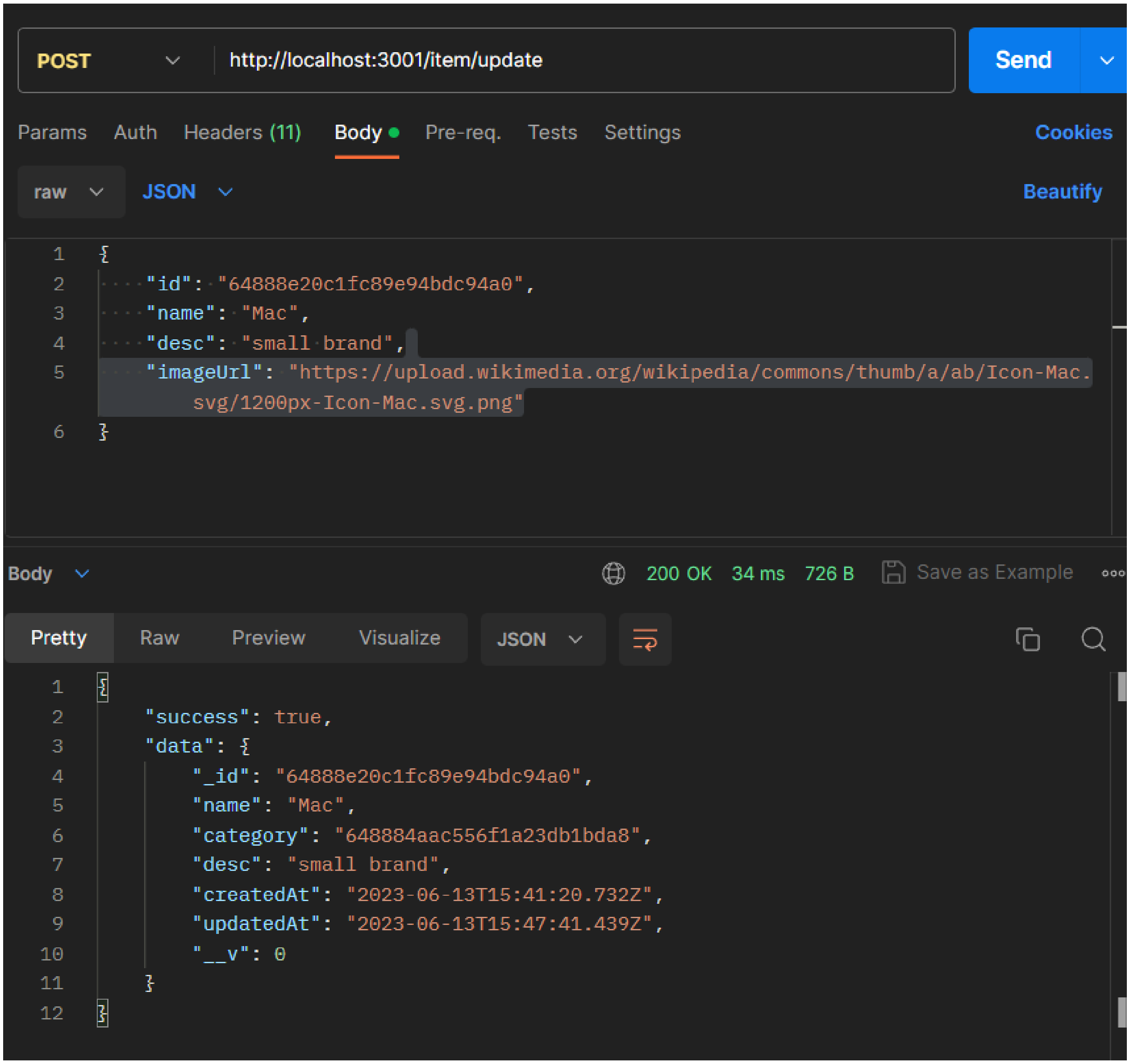
● raw JSON

```
{
```

Pretty JSON

```
[
    {
        "_id": "64888d57c1fc89e94bdc9496",
        "name": "Samsung",
        "category": "648884dfc556f1a23db1bdaa",
        "desc": "new version",
        "createdAt": "2023-06-13T15:37:59.595Z",
        "updatedAt": "2023-06-13T15:37:59.595Z",
        "__v": 0,
        "items": []
    },
    {
        "_id": "64888dbac1fc89e94bdc9498",
        "name": "Apple",
        "category": "648884dfc556f1a23db1bdaa",
        "desc": "max version",
        "createdAt": "2023-06-13T15:39:38.587Z",
        "updatedAt": "2023-06-13T15:39:38.587Z",
        "__v": 0,
        "items": []
    },
    {
        "_id": "64888dd0c1fc89e94bdc949a",
```

- Update sub-category


Send
Params
Auth
Headers (11)
Body
Pre-req.
Tests
Settings
Cookies
raw
JSON
Beautify
Body
Save as Example
Pretty
Raw
Preview
Visualize
JSON

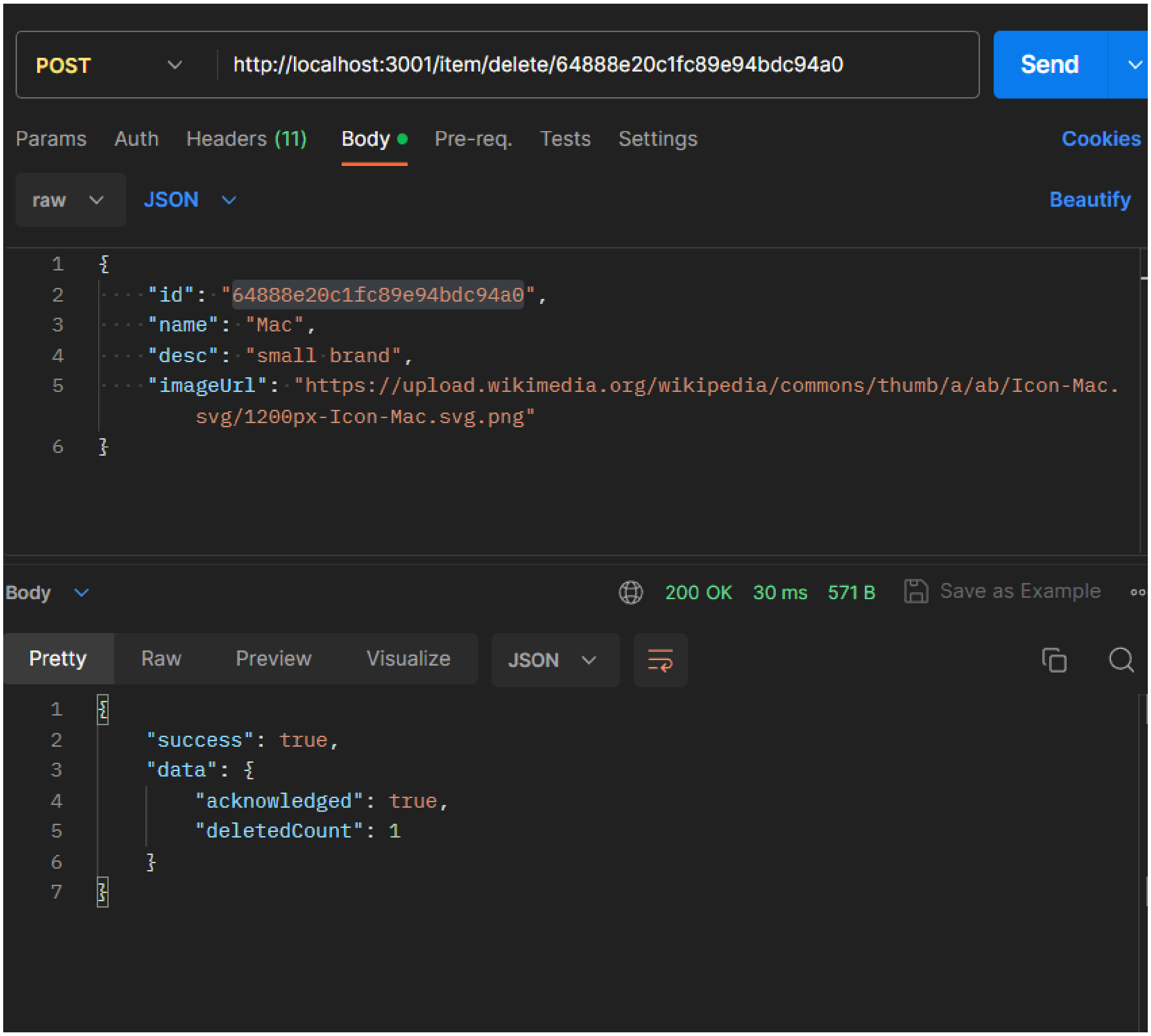
POST http://localhost:3001/item/update

```
{
    "id": "64888e20c1fc89e94bdc94a0",
    "name": "Mac",
    "desc": "small brand",
    "imageUrl": "https://upload.wikimedia.org/wikipedia/commons/thumb/a/ab/Icon-Mac.svg/1200px-Icon-Mac.svg.png"
}
```

200 OK 34 ms 726 B

```
{
    "success": true,
    "data": {
        "_id": "64888e20c1fc89e94bdc94a0",
        "name": "Mac",
        "category": "648884aac556f1a23db1bda8",
        "desc": "small brand",
        "createdAt": "2023-06-13T15:41:20.732Z",
        "updatedAt": "2023-06-13T15:47:41.439Z",
        "__v": 0
    }
}
```

- Remove sub-category

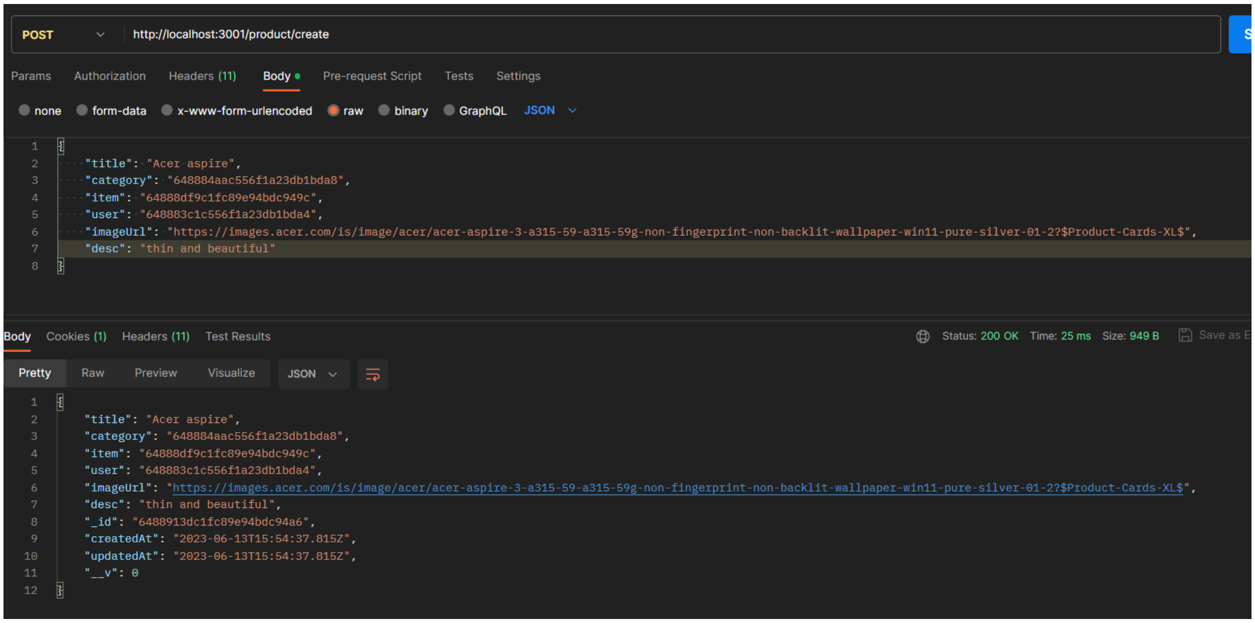

POST
Send
Params
Auth
Headers (11)
Body
Pre-req.
Tests
Settings
Cookies
raw
JSON
Beautify
Body
200 OK
30 ms
571 B
Save as Example
Pretty
Raw
Preview
Visualize
JSON

http://localhost:3001/item/delete/64888e20c1fc89e94bdc94a0

```json
{
    "id": "64888e20c1fc89e94bdc94a0",
    "name": "Mac",
    "desc": "small brand",
    "imageUrl": "https://upload.wikimedia.org/wikipedia/commons/thumb/a/ab/Icon-Mac.
        svg/1200px-Icon-Mac.svg.png"
}
```

```json
{
    "success": true,
    "data": {
        "acknowledged": true,
        "deletedCount": 1
    }
}
```

- CRUD Apis for Products
    - Create product


Params
Authorization
Headers (11)
Body
Pre-request Script
Tests
Settings
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Body
Cookies (1)
Headers (11)
Test Results
Save as E
Pretty
Raw
Preview
Visualize
JSON

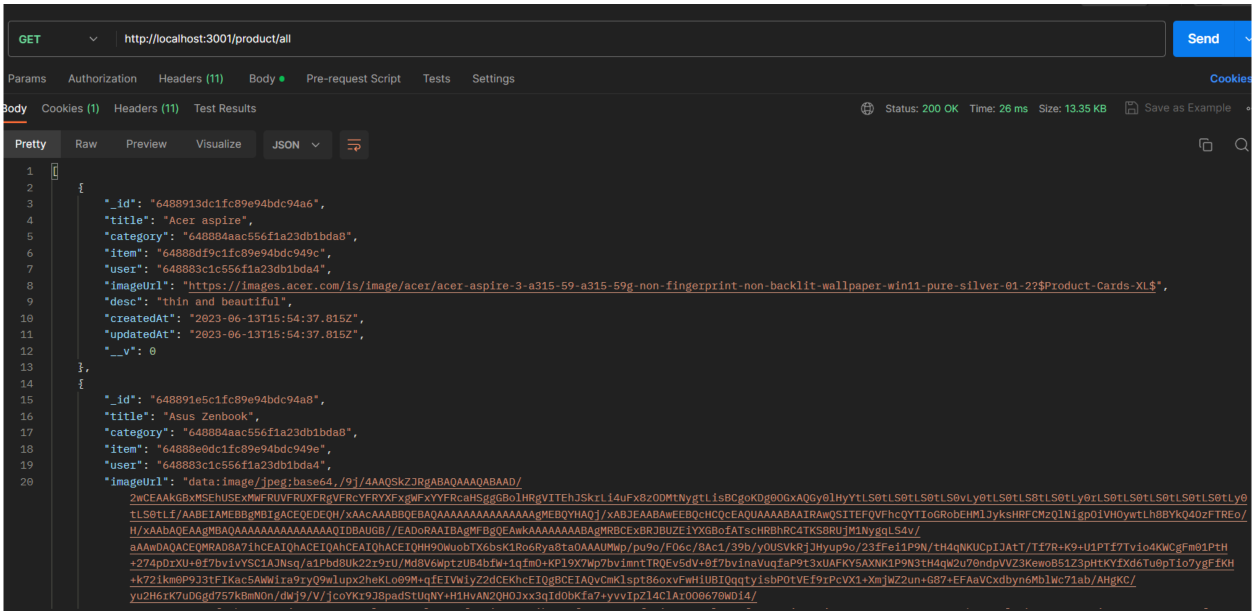
```
POST http://localhost:3001/product/create
```

```
{
    "title": "Acer aspire",
    "category": "648884aac556f1a23db1bda8",
    "item": "64888df9c1fc89e94bdc949c",
    "user": "648883c1c556f1a23db1bda4",
    "imageUrl": "https://images.acer.com/is/image/acer/acer-aspire-3-a315-59-a315-59g-non-fingerprint-non-backlit-wallpaper-win11-pure-silver-01-2?$Product-Cards-XL$",
    "desc": "thin and beautiful"
}
```

Status: 200 OK Time: 25 ms Size: 949 B

```
{
    "title": "Acer aspire",
    "category": "648884aac556f1a23db1bda8",
    "item": "64888df9c1fc89e94bdc949c",
    "user": "648883c1c556f1a23db1bda4",
    "imageUrl": "https://images.acer.com/is/image/acer/acer-aspire-3-a315-59-a315-59g-non-fingerprint-non-backlit-wallpaper-win11-pure-silver-01-2?$Product-Cards-XL$",
    "desc": "thin and beautiful",
    "_id": "6488913dc1fc89e94bdc94a6",
    "createdAt": "2023-06-13T15:54:37.815Z",
    "updatedAt": "2023-06-13T15:54:37.815Z",
    "__v": 0
}
```

- Get all products

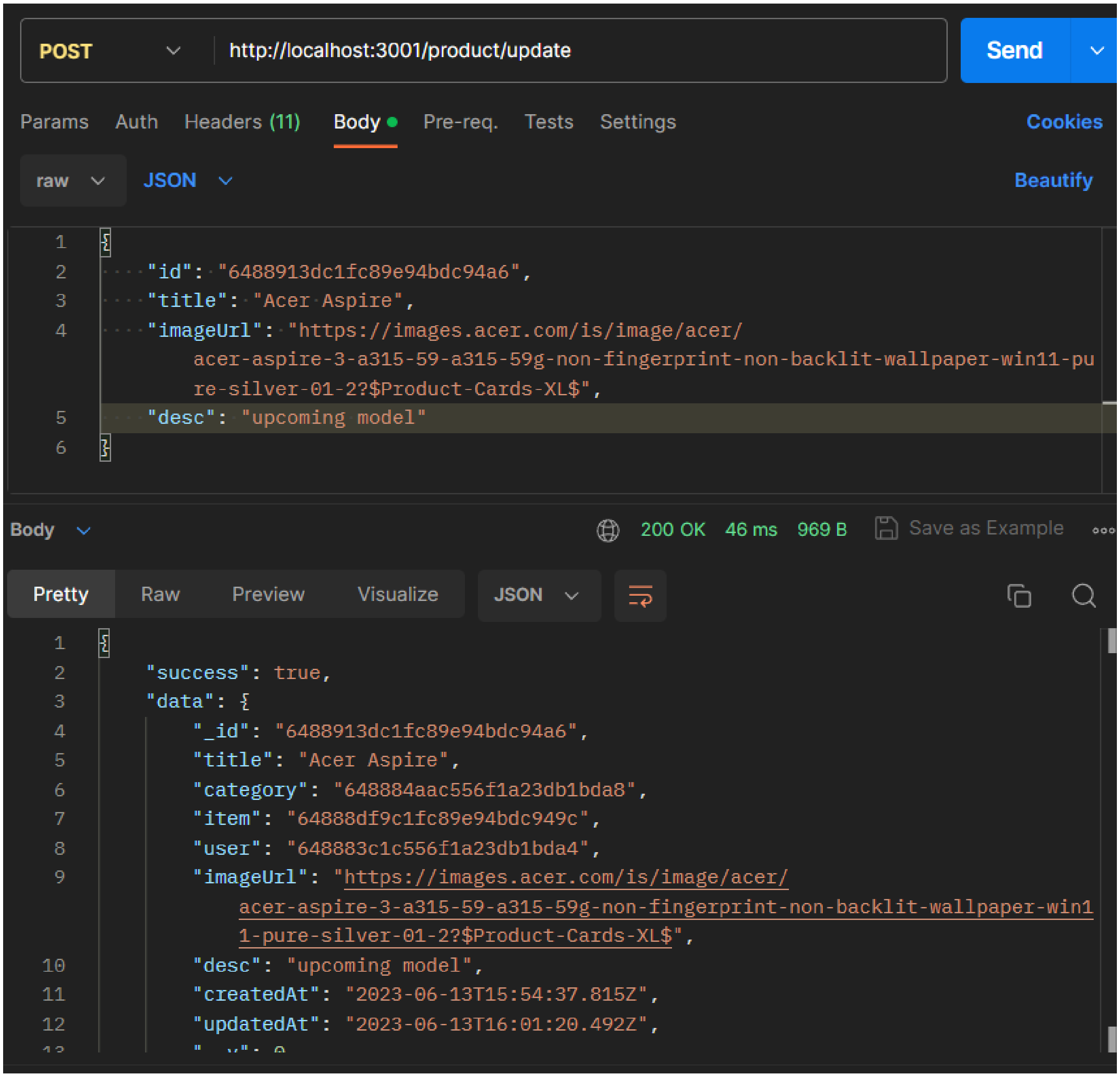

Send
Params
Authorization
Headers (11)
Body
Pre-request Script
Tests
Settings
Cookies
Body
Cookies (1)
Headers (11)
Test Results
Save as Example
Pretty
Raw
Preview
Visualize
JSON

```
GET http://localhost:3001/product/all
```

Status: 200 OK Time: 26 ms Size: 13.35 KB

```
[
    {
        "_id": "6488913dc1fc89e94bdc94a6",
        "title": "Acer aspire",
        "category": "648884aac556f1a23db1bda8",
        "item": "64888df9c1fc89e94bdc949c",
        "user": "648883c1c556f1a23db1bda4",
        "imageUrl": "https://images.acer.com/is/image/acer/acer-aspire-3-a315-59-a315-59g-non-fingerprint-non-backlit-wallpaper-win11-pure-silver-01-2?$Product-Cards-XL$",
        "desc": "thin and beautiful",
        "createdAt": "2023-06-13T15:54:37.815Z",
        "updatedAt": "2023-06-13T15:54:37.815Z",
        "__v": 0
    },
    {
        "_id": "648891e5c1fc89e94bdc94a8",
        "title": "Asus Zenbook",
        "category": "648884aac556f1a23db1bda8",
        "item": "64888e0dc1fc89e94bdc949e",
        "user": "648883c1c556f1a23db1bda4",
        "imageUrl": "data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/
            2wCEAAkGBxMSEhUSExMWFRUVFRUXFRgVFRcYFRYXFxgWFxYYFRcaHSggGBolHRgVITEhJSkrLi4uFx8zODMtNygtLisBCgoKDg0OGxAQGy0lHyYtLS0tLS0tLS0tLS0vLy0tLS0tLS8tLS0tLy0rLS0tLS0tLS0tLS0tLS0tLy0
            tLS0tLf/AABEIAMEBBgMBIgACEQEDEQH/xAAcAAABBQEBAQAAAAAAAAAAAAAAAgMEBQYHAQj/xABJEAABAwEEBQcHCQcEAQUAAAABAAIRAwQSITEFQVFhcQYTIoGRobEHMlJyksHRFCMzQlNigpOiVHOywtLh8BYkQ4OzFTREo/
            H/xAAbAQEAAgMBAQAAAAAAAAAAAAAAAQIDBAUGB//EADoRAAIBAgMFBgQEAwkAAAAAAAABAgMRBCExBRJBUZEiYXGBofATscHRBhRC4TKS8RUjM1NygqLS4v/
            aAAwDAQACEQMRAD8A7ihCEAIQhACEIQAhCEAIQhACEIQHH9OWuobTX6bsK1Ro6Rya8taOAAAUMWp/pu9o/FO6c/8Ac1/39b/yOUSVkRjJHyup9o/23fFei1P9N/tH4qNKUCpIJAtT/Tf7R+K9+U1PTf7Tvio4KWCgFm01PtH
            +274pDrXU+0f7bvivYSC1AJNsq/a1Pbd8Uk22r9rU/Md8V6WptzUB4bfW+1qfmO+KPl9X7Wp7bvimntTRQEv5dV+0f7bvinaVuqfaP9t3xUAFKY5AXNK1P9N3tH4qW2u70ndpVVZ3KewoB51Z3pHtKYfXd6Tu0pTio7ygFfKH
            +k72ikm0P9J3tFIKac5AWWira9ryQ9wlupx2heKLo09M+qfEIVWiyZ2dCEKhcEIQgBCEIAQvCmKlspt86oxvFwHiUBIQqqtyisbPOtVEf9rPcVX1+XmjWZ2un+G87+EFAaVCxdbyn6MblWc71ab/AHgKC/
            yu2H6rK7uDGgd757kBmNOn/dWj9/V/jcoYKr9J8padStUqNY+H1HvAN2QHOJxx3qIdObKfa7+yvvIpZl4ClArOO670WDi4/
```

- Update product


Send
Params
Auth
Headers (11)
Body
Pre-req.
Tests
Settings
Cookies
Beautify
Save as Example
Pretty
Raw
Preview
Visualize

POST http://localhost:3001/product/update

Body: raw JSON

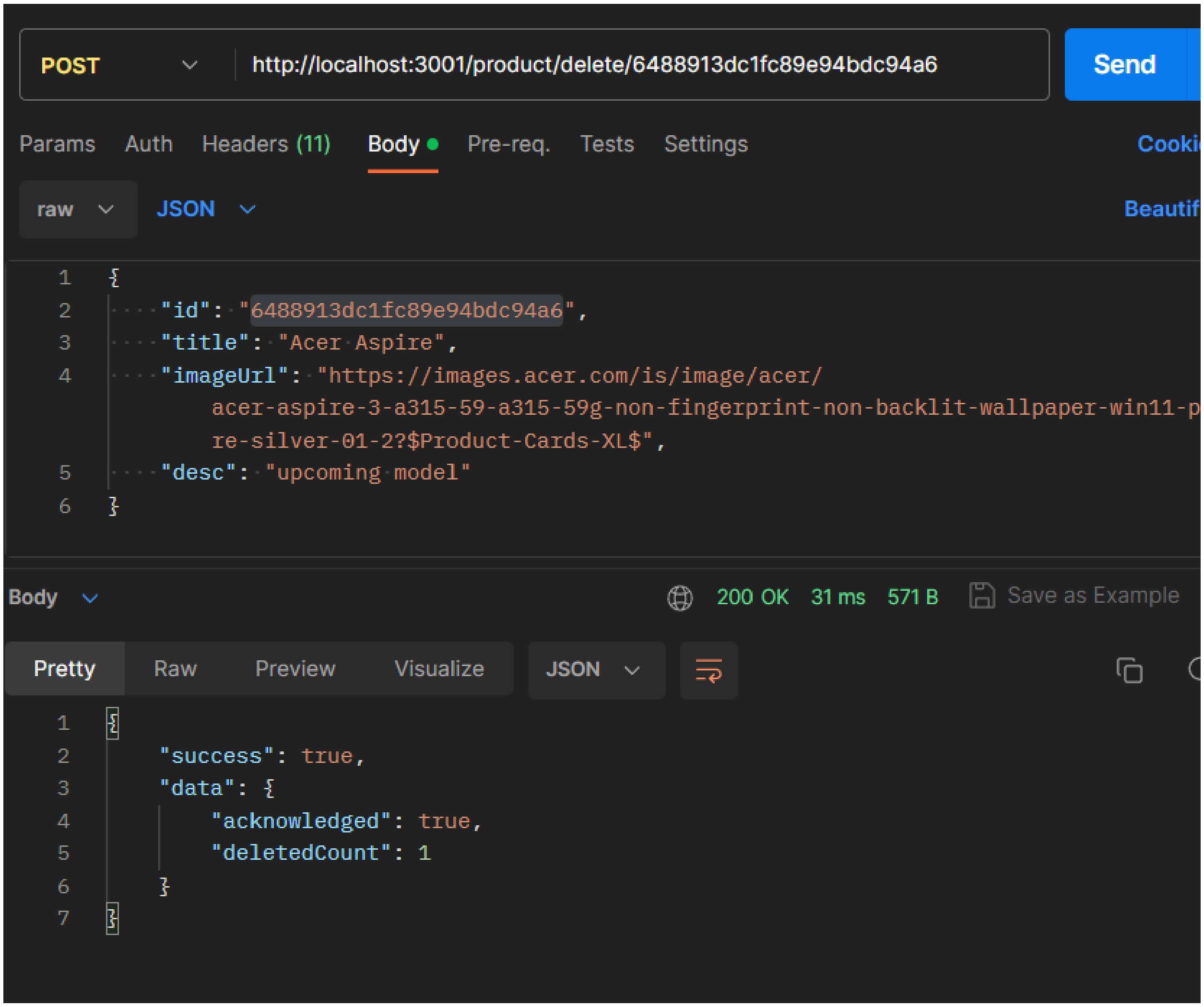
```
{
    "id": "6488913dc1fc89e94bdc94a6",
    "title": "Acer Aspire",
    "imageUrl": "https://images.acer.com/is/image/acer/
        acer-aspire-3-a315-59-a315-59g-non-fingerprint-non-backlit-wallpaper-win11-pu
        re-silver-01-2?$Product-Cards-XL$",
    "desc": "upcoming model"
}
```

Body 200 OK 46 ms 969 B

JSON

```
{
    "success": true,
    "data": {
        "_id": "6488913dc1fc89e94bdc94a6",
        "title": "Acer Aspire",
        "category": "648884aac556f1a23db1bda8",
        "item": "64888df9c1fc89e94bdc949c",
        "user": "648883c1c556f1a23db1bda4",
        "imageUrl": "https://images.acer.com/is/image/acer/
            acer-aspire-3-a315-59-a315-59g-non-fingerprint-non-backlit-wallpaper-win1
            1-pure-silver-01-2?$Product-Cards-XL$",
        "desc": "upcoming model",
        "createdAt": "2023-06-13T15:54:37.815Z",
        "updatedAt": "2023-06-13T16:01:20.492Z",
```

- Remove product

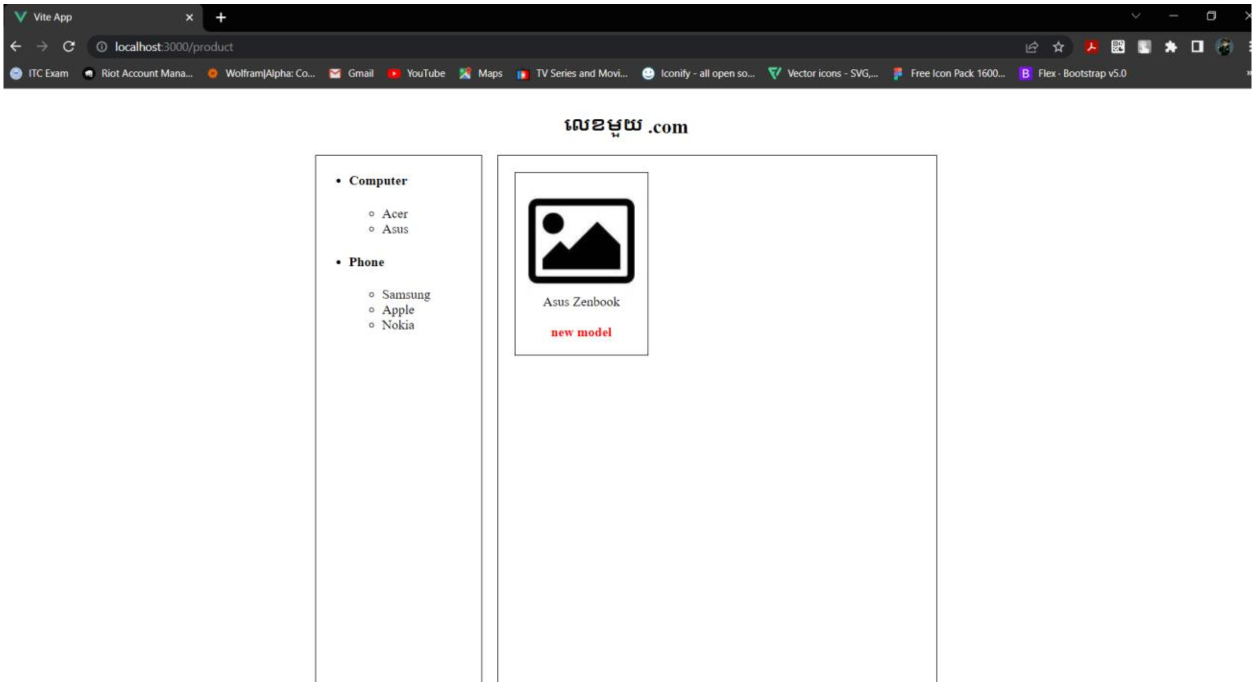

POST
Send
Params
Auth
Headers (11)
Body
Pre-req.
Tests
Settings
Cooki
raw
JSON
Beautif
Body
200 OK
31 ms
571 B
Save as Example
Pretty
Raw
Preview
Visualize
JSON

http://localhost:3001/product/delete/6488913dc1fc89e94bdc94a6

```
{
    "id": "6488913dc1fc89e94bdc94a6",
    "title": "Acer Aspire",
    "imageUrl": "https://images.acer.com/is/image/acer/
        acer-aspire-3-a315-59-a315-59g-non-fingerprint-non-backlit-wallpaper-win11-p
        re-silver-01-2?$Product-Cards-XL$",
    "desc": "upcoming model"
}
```

```
{
    "success": true,
    "data": {
        "acknowledged": true,
        "deletedCount": 1
    }
}
```

Ex2: TopOne app


Vite App
localhost:3000/product
ITC Exam
Riot Account Mana...
Wolfram|Alpha: Co...
Gmail
YouTube
Maps
TV Series and Movi...
Iconify - all open so...
Vector icons - SVG,...
Free Icon Pack 1600...
Flex · Bootstrap v5.0

លេខមួយ .com

- **Computer**
  - Acer
  - Asus
- **Phone**
  - Samsung
  - Apple
  - Nokia

Asus Zenbook

new model