

SPORTY SHOES

Source code of project is available on: [Github](#)

This document contains the following sections:

- **Sprint Planning**
- **Core Concepts and tools**
- **Product capabilities**
- **Conclusion**

Sprint Planning

Project is completed in two sprints

Sprint 1:

- Git initialization
- Which API's to add
- Write Code

Sprint 2:

- API's testing
- Push final code to Git
- Documentation

Core Concepts and Tools

- Java
- Spring Boot
- MySQL
- Postman
- STS IDE

Product Capabilities

The application has following capabilities:

1.Products

- Get all products
- Add product
- Delete product
- Update product
- Get product by id
- Get product by season
- Get product by brand
- Get product by category
- Get by in order of price (ASC/DEC)
- Get product by color

- Get latest product by date

2.Users

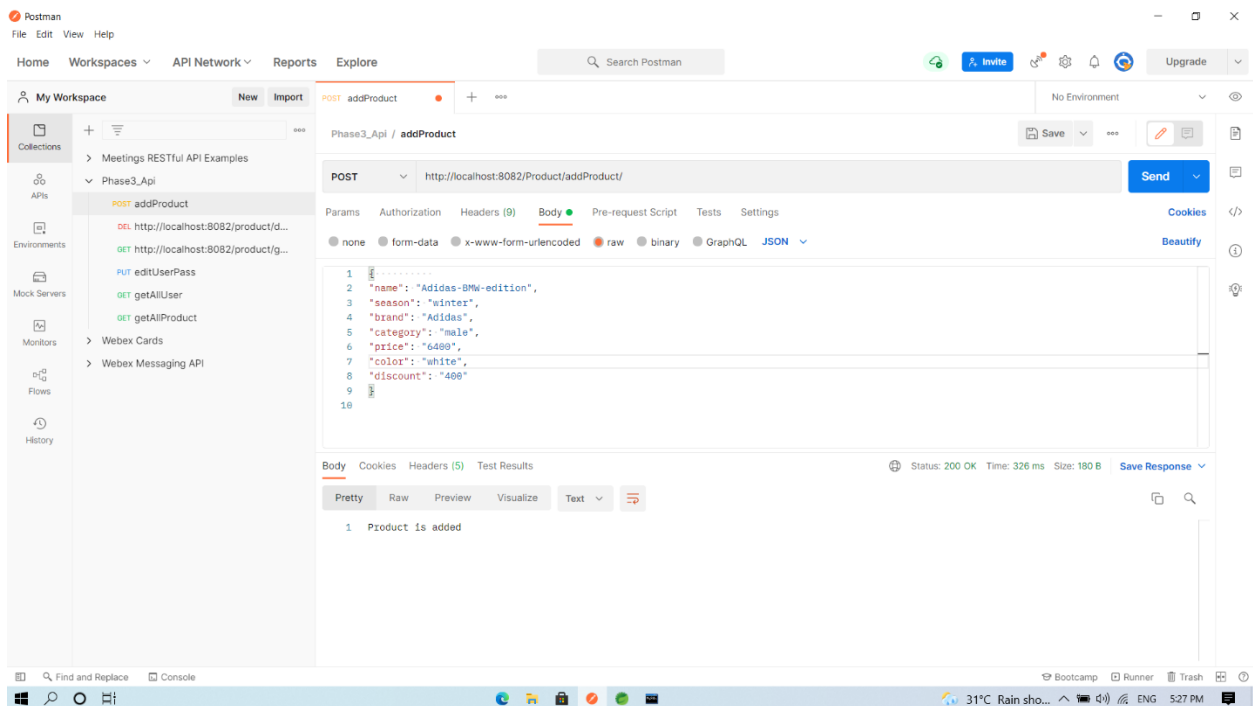
- Get all user details
- Admin can change password

3.Purchase Report

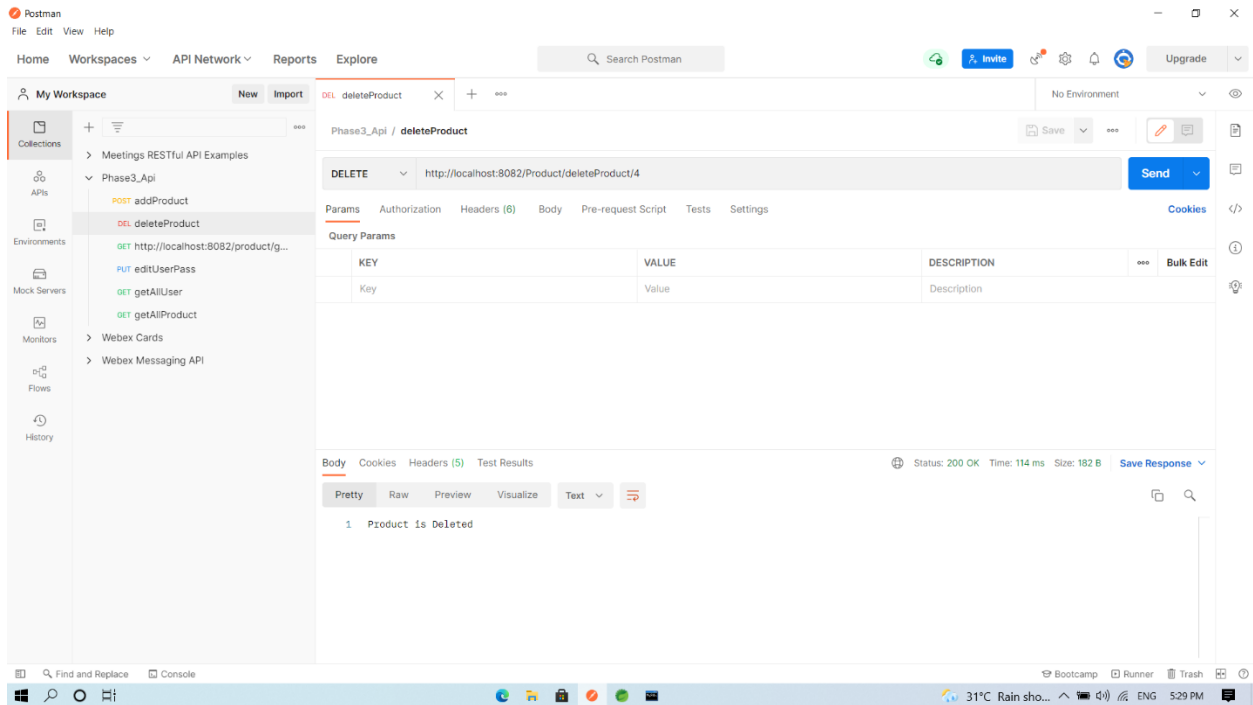
- Get all purchase report filtered by category
- Get all purchase report filtered by date

Note : All screenshots of above functionalities is available in source code/Screenshot (phase3_ss)

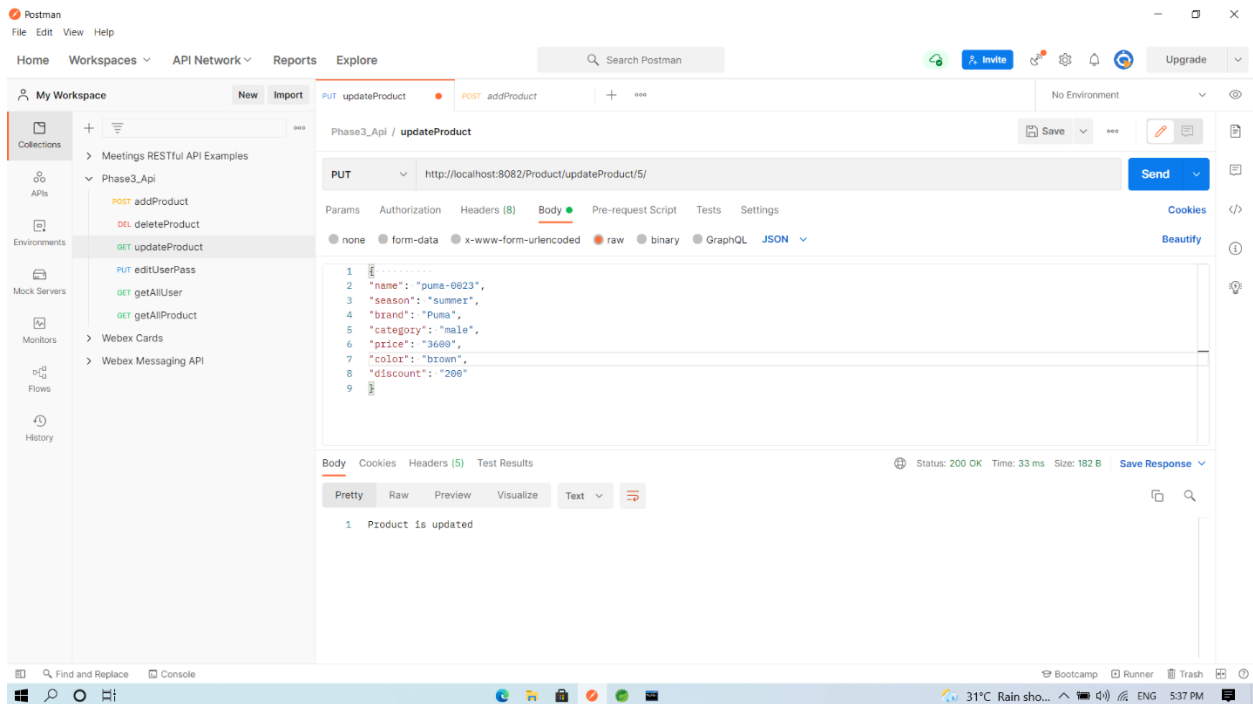
Add Product



Delete Product



Update Product



All product

Postman

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My Workspace

Phase3_Api / getAIProduct

GET http://localhost:8082/Product/getAll

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 138 ms Size: 985 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 2,
3   "name": "nike-061",
4   "season": "rainy",
5   "brand": "Nike",
6   "category": "male",
7   "price": "3000",
8   "color": "black",
9   "date": "2021-09-30T18:30:00.000+00:00",
10  "discount": 300
11 }
12 {
13   "id": 3,
14   "name": "nike-010",
15   "season": "winter",
16   "brand": "Nike",
17   "category": "female",
18   "price": "3500",
19   "color": "white",
20   "date": "2021-09-30T18:30:00.000+00:00",
21   "discount": 300
22 }
```

Find and Replace Console

Bootcamp Runner Trash

31°C Rain sho... ENG 5:25 PM

Product By Id

Postman

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Search Postman

My Workspace

Phase3_Api / getById

GET http://localhost:8082/Product/getById/5

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 29 ms Size: 327 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 5,
3   "name": "puma-0023",
4   "season": "summer",
5   "brand": "Puma",
6   "category": "male",
7   "price": "3600",
8   "color": "brown",
9   "date": "2021-10-01T18:30:00.000+00:00",
10  "discount": 200
11 }
```

Find and Replace Console

Bootcamp Runner Trash

31°C Rain sho... ENG 5:39 PM

Product By Brand

Postman

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My Workspace

GET getBySeason GET getByBrand

No Environment

Phase3_Api / getByBrand

GET http://localhost:8082/Product/getByBrand/Nike

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 19 ms Size: 492 B Save Response

Pretty Raw Preview Visualize JSON

```
{
  "id": 2,
  "name": "nike-001",
  "season": "rainy",
  "brand": "Nike",
  "category": "male",
  "price": "3000",
  "color": "black",
  "date": "2021-09-30T18:30:00.000+00:00",
  "discount": 300
},
{
  "id": 3,
  "name": "nike-010",
  "season": "winter",
  "brand": "Nike",
  "category": "female",
```

Product By Season

Postman

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Search Postman

My Workspace

GET getBySeason

No Environment

Phase3_Api / getBySeason

GET http://localhost:8082/Product/getBySeason/summer

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 27 ms Size: 496 B Save Response

Pretty Raw Preview Visualize JSON

```
{
  "id": 5,
  "name": "puma-0023",
  "season": "summer",
  "brand": "Puma",
  "category": "male",
  "price": "3600",
  "color": "brown",
  "date": "2021-10-01T18:30:00.000+00:00",
  "discount": 200
},
{
  "id": 6,
  "name": "Adidas-001",
  "season": "summer",
  "brand": "Adidas",
  "category": "both",
  "price": "3400",
  "color": "brown",
  "date": "2021-09-30T18:30:00.000+00:00",
```

Product By Category

Postman

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Home Workspaces API Network Reports Explore

Search Postman

My Workspace

Phase3_Api / getCategory

GET http://localhost:8082/Product/getByCategory/male

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 18 ms Size: 666 B Save Response

Pretty Raw Preview Visualize JSON

```
2 {
3   "id": 2,
4   "name": "nike-001",
5   "season": "rainy",
6   "brand": "Nike",
7   "category": "male",
8   "price": "3000",
9   "color": "black",
10  "date": "2021-09-30T18:30:00.000+00:00",
11  "discount": 300
12 },
13 {
14   "id": 5,
15   "name": "puma-0023",
16   "season": "summer",
17   "brand": "Puma",
18   "category": "male",
19   "price": "3600",
20   "color": "brown",
21   "date": "2021-10-01T18:30:00.000+00:00",
22   "discount": 200
```

Product By Color

Postman

File Edit View Help

Home Workspaces API Network Reports Explore

Search Postman

My Workspace

Phase3_Api / getByColor

GET http://localhost:8082/Product/getByColor/white

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 23 ms Size: 505 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 3,
3   "name": "nike-010",
4   "season": "winter",
5   "brand": "Nike",
6   "category": "female",
7   "price": "3500",
8   "color": "white",
9   "date": "2021-09-30T18:30:00.000+00:00",
10  "discount": 300
11 },
12 {
13   "id": 8,
14   "name": "Adidas-BW-e-dition",
15   "season": "winter",
16   "brand": "Adidas"
```

Product By Price

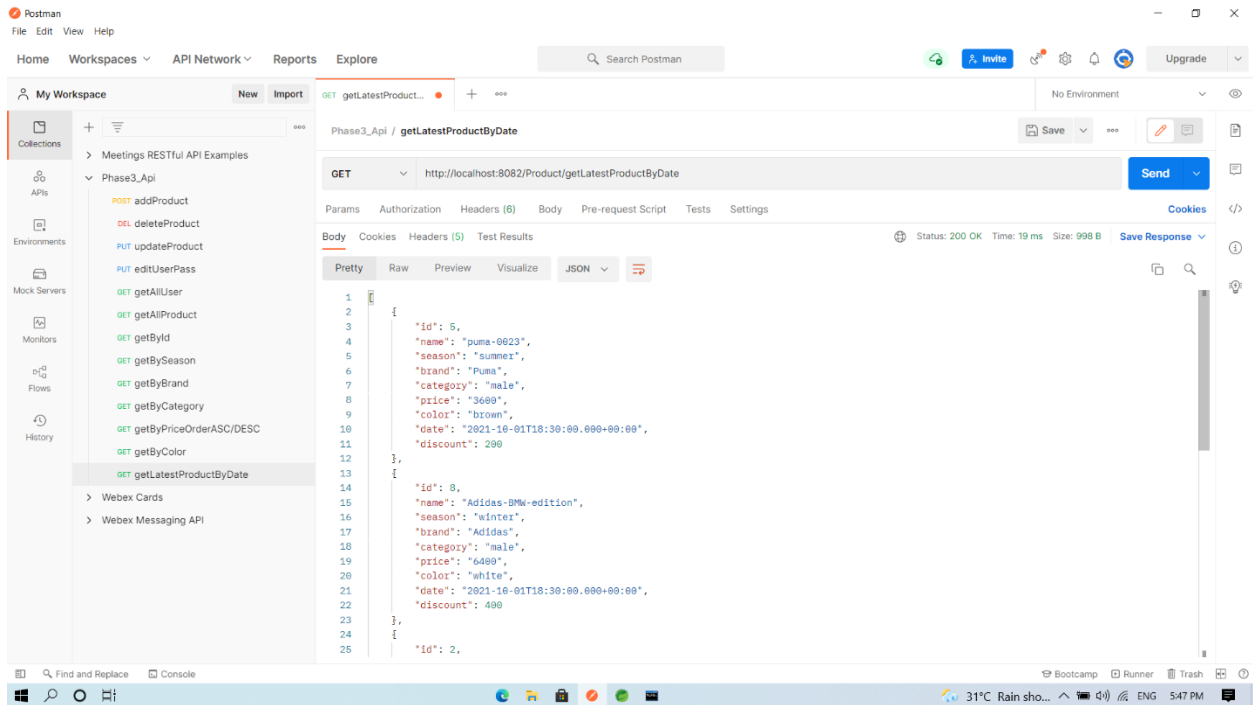
Postman interface showing a GET request to `http://localhost:8082/Product/getByPrice/Asc`. The response is a JSON array of 3 products:

```
1 {
2   "id": 2,
3   "name": "nike-001",
4   "season": "rainy",
5   "brand": "Nike",
6   "category": "male",
7   "price": "3000",
8   "color": "black",
9   "date": "2021-09-30T18:30:00.000+00:00",
10  "discount": 300
11 },
12 {
13   "id": 6,
14   "name": "Adidas-001",
15   "season": "summer",
16   "brand": "Adidas",
17   "category": "both",
18   "price": "3400",
19   "color": "brown",
20   "date": "2021-09-30T18:30:00.000+00:00",
21   "discount": 200
22 },
23 {
24   "id": 3,
```

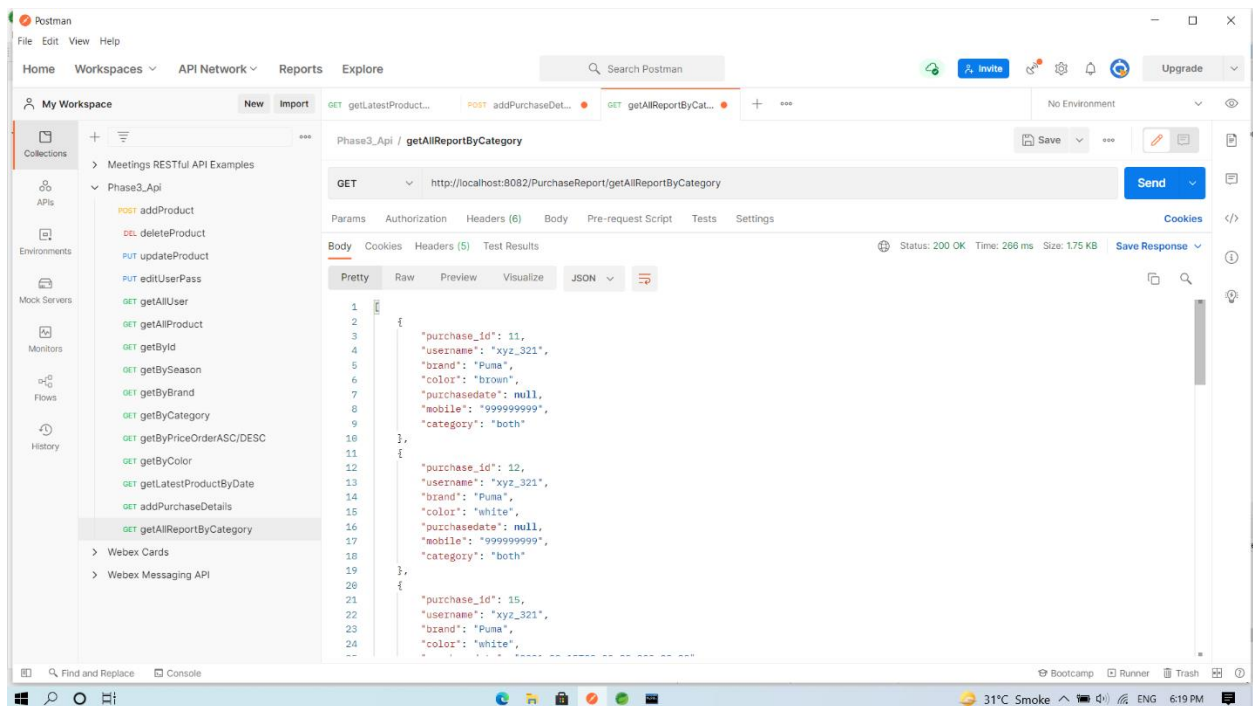
Postman interface showing a GET request to `http://localhost:8082/Product/getByPrice/Desc`. The response is a JSON array of 3 products:

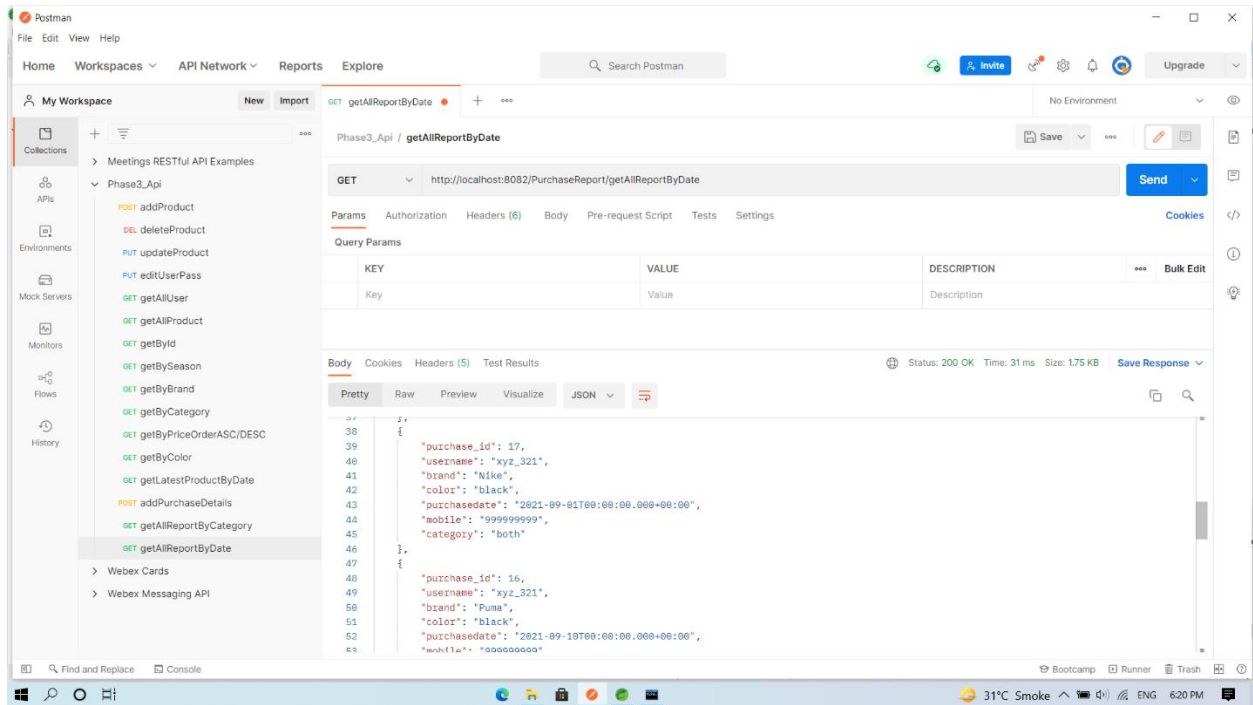
```
1 {
2   "id": 8,
3   "name": "Adidas-BMW-edition",
4   "season": "winter",
5   "brand": "Adidas",
6   "category": "male",
7   "price": "6400",
8   "color": "white",
9   "date": "2021-10-01T18:30:00.000+00:00",
10  "discount": 400
11 },
12 {
13   "id": 5,
14   "name": "puma-0023",
15   "season": "summer",
16   "brand": "Puma",
17   "category": "male",
18   "price": "3600",
19   "color": "brown",
20   "date": "2021-10-01T18:30:00.000+00:00",
21   "discount": 200
22 },
23 {
24   "id": 3,
```

Latest Product list by date

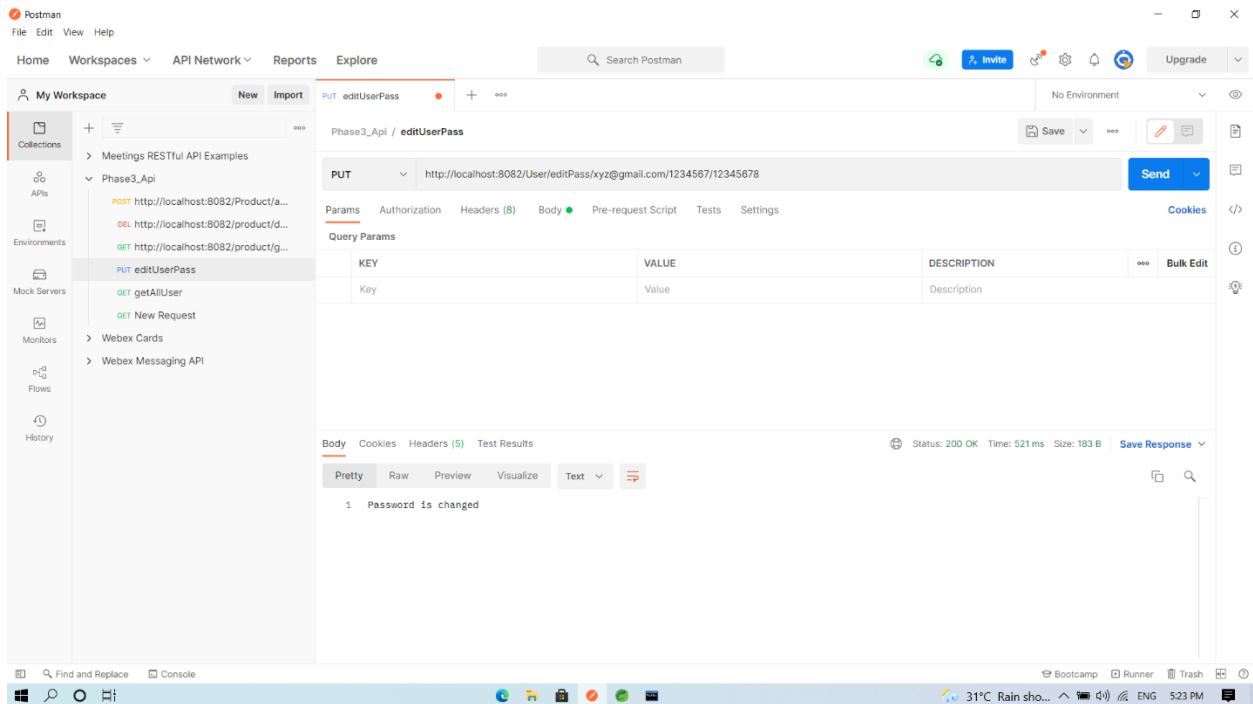


Purchase report filtered by Category

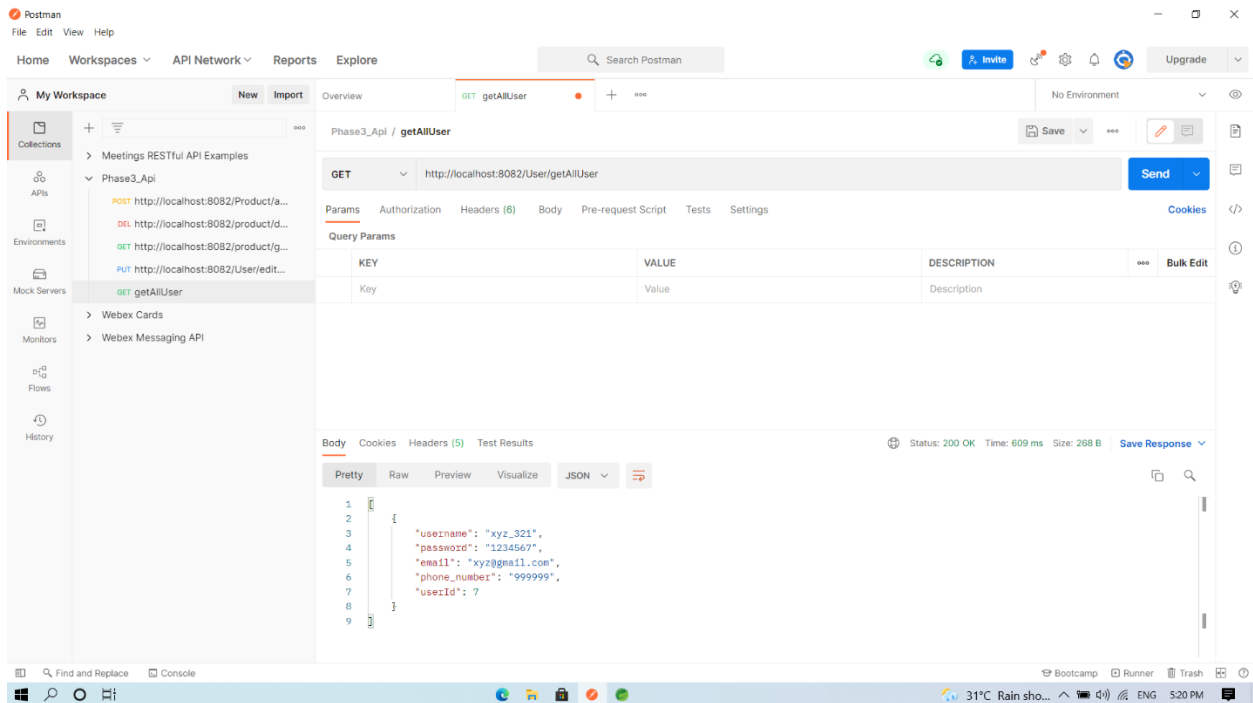




User EditPass



Get all user



Conclusion:

This project is based on REST API Crud operation and in feature we can add front add/UI and also add more API's.