

Documentation

System Assessment test

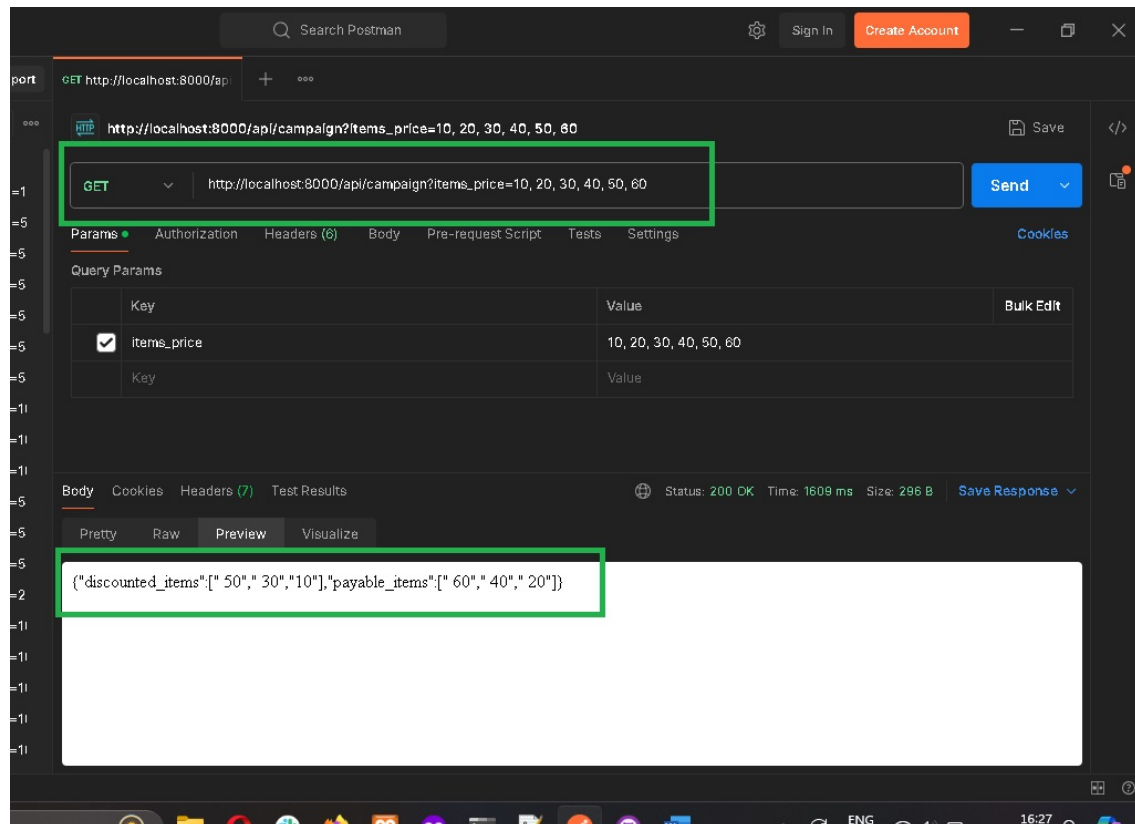
- 1) Download the code from: <https://github.com/shanmugavel-git/laravel-11-rest-api>
- 2) Move the folder in your local system configured XAMPP v3.3, inside htdocs folder
- 3) PHP version 8.2.12
- 4) Open command prompt and locate the folder inside htdocs/laravel-11-rest-api and run the command : `php artisan serve`
- 5) URL will be generated once the command executed: `http://127.0.0.1:8000` or `http://localhost:8000`
- 6) Use POSTMAN tool to check the endpoints, here, I have used: `http://localhost:8000/api/campaign`
- 7) Rule 1: Customers can buy one product and get another product for free as long as the price of the free product is equal to or less than the price of the first product.

Input API using GET method: `http://localhost:8000/api/campaign?items_price=10, 20, 30, 40, 50, 60`

JSON format output:

```
{"discounted_items":[" 50"," 30","10"],"payable_items":[" 60"," 40"," 20"]}
```

Refer Screenshot



8) Rule 2:

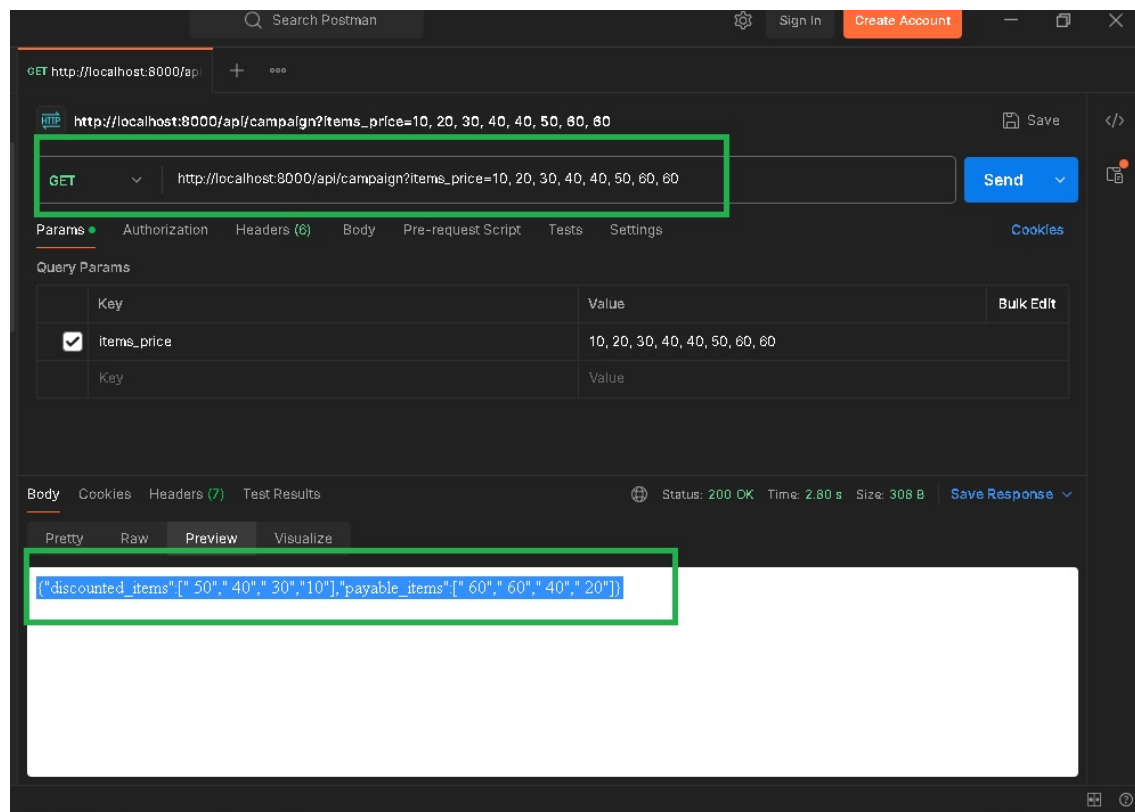
Customers can buy one product and get another product for free as long as the price of the free product is less than the price of the first product.

Input API using GET method: `http://localhost:8000/api/campaign?items_price=10, 20, 30, 40, 40, 50, 60, 60`

JSON format output:

```
{"discounted_items":[" 50"," 40"," 30","10"],"payable_items":[" 60"," 60"," 40"," 20"]}
```

Refer Screenshot



9) Rule 3: Customers can buy one product and get another product for free as long as the price of the free product is less than the price of the first product.

Input API using GET method `http://localhost:8000/api/campaign?items_price=5, 5, 10, 20, 30, 40, 50, 50, 50, 60`

JSON format output:

```
{"discounted_items":[" 50"," 40"," 30"," 10"],"payable_items":[" 60"," 50"," 50"," 20","5"," 5"]}
```

The screenshot shows the Postman interface for an API request. The request is a GET call to `http://localhost:8000/api/campaign?items_price=5, 5, 10, 20, 30, 40, 50, 50, 50, 60`. The response is a JSON object, displayed in the 'Body' tab, which contains two arrays: `discounted_items` and `payable_items`. The response status is 200 OK.

Request Details:

- Method: GET
- URL: `http://localhost:8000/api/campaign?items_price=5, 5, 10, 20, 30, 40, 50, 50, 50, 60`

Query Params:

Key	Value
items_price	5, 5, 10, 20, 30, 40, 50, 50, 50, 60

Response Body (Preview):

```
{"discounted_items":[" 50"," 40"," 30"," 10"],"payable_items":[" 60"," 50"," 50"," 20","5"," 5"]}
```