

## Admin seeing KPI's

POST /cart/add Add To Cart

Parameters

No parameters

Request body required

application/json

Edit Value | Schema

```
{  "user_token": "RPFxCONSXHGAI1IAMQHJCeIMatF4",  "product_id": "B08D0RGWT3",  "quantity": 12}
```

Execute Clear

200

Response body

```
{  "message": "Item added to cart",  "product_id": "B08D0RGWT3",  "quantity": 12}
```



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## Checking out

```
{  "message": "Order confirmed",  "transaction": {    "transaction_id": "b5a46cd1-69b3-489e-b4e6-1488ce1de61b",    "user_id": "1ac89442-8675-4b34-af22-af970d315926",    "customer_name": "string",    "customer_email": "user@example.com",    "items": [      {        "product_id": "B08D0RGWT3",        "product_name": "MI Usb Type-C Cable Smartphone (Black)",        "img_link": "https://m.media-amazon.com/images/I/31X0-wfG6GL_SX300_SY300_QL70_FWebp_.jpg",        "product_link": "https://www.amazon.in/MI-MTCY0011N-USB-Type-C-Cable/dp/B08D0RGWT3/ref=sr_1_9?qid=1677909124&s=electronics&sr=1-9",        "discounted_price": 229,        "quantity": 12      }    ],    "total_price": 2748,    "timestamp": "2025-12-02T19:43:45.955975+00:00",    "estimated_delivery": "2025-12-07",    "status": "completed"  }}
```



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## Generating the KPI's


```
{  "summary": {    "total_revenue": 2977,    "total_transactions": 2,    "total_users_with_transactions": 1,    "returning_users": 1  },  "categories": {    "Computers&Accessories|Accessories&Peripherals|Cables&Accessories|Cables|USBCables": {      "total_revenue": 2977,      "transaction_count": 2,      "most_purchased_products": [        {          "product_id": "B08D0RGWT3",          "product_name": "MI Usb Type-C Cable Smartphone (Black)",          "purchase_count": 13        }      ]    },    "most_purchased_products": [      {        "product_id": "B08D0RGWT3",        "product_name": "MI Usb Type-C Cable Smartphone (Black)",        "purchase_count": 13      }    ]  }}
```



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## Doing this with a different cart


```
{
  "user_id": "1658066d-736f-4978-80da-ad9cc7a986c",
  "items": [
    {
      "product_id": "B09JPC82QC",
      "product_name": "Mi 108 cm (43 inches) Full HD Android LED TV 4C | L43M6-INC (Black)",
      "img_link": "https://m.media-amazon.com/images/I/41nsy8kxwUL._SY300_SX300_QL70_FMwebp_._jpg",
      "product_link": "https://www.amazon.in/inches-Full-Android-L43M6-INC-Black/dp/B09JPC82QC/ref=sr_1_45?qid=1672909125&s=electronics&sr=1-45",
      "discounted_price": 19999,
      "quantity": 4
    },
    {
      "product_id": "B00NH11K1K",
      "product_name": "AmazonBasics USB 2.0 Cable - A-Male to B-Male - for Personal Computer, Printer- 6 Feet (1.8 Meters), Black",
      "img_link": "https://m.media-amazon.com/images/I/4101vlzySzL._SY300_SX300_QL70_FMwebp_._jpg",
      "product_link": "https://www.amazon.in/AmazonBasics-USB-2-0-Cable-Male/dp/B00NH11K1K/ref=sr_1_44?qid=1672909125&s=electronics&sr=1-44",
      "discounted_price": 209,
      "quantity": 10
    }
  ],
  "total_price": 82086
}
```

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## Chart router with a different cart

```
{
  "top_products_by_sales": [
    {
      "product_name": "Mi 108 cm (43 inches) Full HD Android LED TV 4C | L43M6-INC (Black)",
      "sales": 10
    },
    {
      "product_name": "Wayona Nylon Braided 3A Lightning to USB A Syncing and Fast Charging Data Cable for iPhone, Ipad (3 FT Pack of 1, Black)",
      "sales": 4
    },
    {
      "product_name": "TP-Link Nano AC600 USB Wi-Fi Adapter(Archer T2U Nano)- 2.4G/5G Dual Band Wireless Network Adapter for PC Desktop Laptop, Mini Travel Size, Supports Windows 11,10, 8.1, 8, 7, XP/Mac OS 10.9-10.15",
      "sales": 3
    },
    {
      "product_name": "Unknown Product",
      "sales": 2
    }
  ],
  "category_distribution": [
    {
      "category": "Electronics|HomeTheater,TV&Video|Televisions|SmartTelevisions",
      "revenue": 199990,
      "percentage": 97.47
    },
    {
      "category": "Computers&Accessories|NetworkingDevices|NetworkAdapters|WirelessUSBAdapters",

```

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## Pytest success

```
backend/tests/test_transactions.py::TestTransactionServiceUnit::test_get_user_transactions_success PASSED [ 94%]
backend/tests/test_transactions.py::TestTransactionServiceUnit::test_get_user_transactions_empty PASSED [ 95%]
backend/tests/test_transactions.py::test_checkout_empty_cart PASSED [ 95%]
backend/tests/test_transactions.py::test_checkout_success PASSED [ 96%]
backend/tests/test_transactions.py::test_get_transactions_empty PASSED [ 97%]
backend/tests/test_transactions.py::test_get_user_transactions PASSED [ 97%]
backend/tests/test_transactions.py::test_get_transaction_by_id PASSED [ 98%]
backend/tests/test_transactions.py::test_get_nonexistent_transaction PASSED [ 98%]
backend/tests/test_transactions.py::test_unauthorized_transaction_access PASSED [ 99%]
backend/tests/test_transactions.py::test_checkout_multiple_items PASSED [100%]

===== 167 passed in 67.26s (0:01:07) =====
PS C:\Users\USER\Documents\GitHub\Netflix-and-Coding>
```