Files Received

The different types of JSON data received from the ecommerce warehouse on a daily basis.

The data we are purely concentrating on are the below files.

1. products_info_<timestamp>
2. users_info_<timestamp>
3. user_activity_<timestamp>

1.Products_info_<timestamp>

This mainly contains information about the products that are hosted on the e-commerce website.

The structure looks like:

Field	Description
ID	Unique identifier of every product
Name	Name of the product
Reseller	Name of the reseller who sells that product
Category	Category to which the product belongs to
Price	Selling price of the product
Discount	Discount percentage offered on the product
Profit_percent	Profit percentage to MyCart

Sample Record:

```
{"id":"P101", "name":"Men's Trimmer","reseller":"Philips
India", "category":"Electronic Equipments", "price":2399.00,
"discount":10,"profit_percent":5}
```

2.Users_info_<timestamp>

This file mainly contains users with specific details.

The structure looks like:

Field	Description
ID	Unique identifier of the user
Name	Name of the user
Location	A complex type, including city and state of the user
Age	Age of the user
Price	Selling price of the product
Occupation	Occupation of the user

Sample Record:

```
{"id":"U101","name":"Rakesh",location":"city":"MUMBAI","state":
"MAHARASHTRA", "age":20, "occupation":"STUDENT"}
```

3.User_activity_<timestamp>

This file contains different activities performed by a user.

They contain details of different orders made by different Users as well as the cancellation/return(s) if they were Performed.

The structure looks like:

Field	Description
Product_id	Unique identifier of the product
Name	Name of the user
User_id	Unique identifier of the user
Cancellation	boolean value showing whether the order was canceled
Return	boolean value showing whether the order was returned
Cancellation_reason	Reason for cancellation, NA, if the product was not canceled
Return_reason	Reason for return, NA, if the product was not returned
Order_date	Date on which the order was placed (in the format: yyyy-mm-dd)
Shipment_date	Date on which the order was shipped (in the format: yyyy-mm-dd)
Delivery_date	Date on which the order was delivered (in the format yyyy-mm-dd)
Cancellation_date	Date on which the order was cancelled (in the format yyyy-mm-dd)
Return_date	Date on which the order was returned (in the format yyyy-mm-dd)

Sample Record:

{"product_id":"P101", "user_id":"U101", "cancellation":"false",
"return":"true","cancellation_reason":"NA","return_reason":"Duplicat
e product","order_date":"2015-09-18", "shipment_date":"2015-09-19",
"delivery_-date":""2015-09-20"","cancellation_date":"NA",
"return_date":""2015-09-25""}