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":"Duplicate product","order\_date":"2015-09-18", "shipment\_date":"2015-09-19", "delivery\_-date":""2015-09-20"","cancellation\_date":"NA", "return\_date":""2015-09-25""}