**API Documentation**

1. **POST API – Add New Product in Cart**

* **Description:** Provides operation for adding a new Product into Cart
* **URL:** http://ocalhost:8080/products
* **Method:** POST
* **Sample Input Packet:**

{ "productId":"2", "productName":"Hello", "quantity":"20", "unitPrice":"200.00" ,"categogy":"CATEGORY\_A"}

* **Sample Output:**

{

"productId": 2,

"productName": "Hello",

"quantity": 20,

"unitPrice": 200,

"netItemPrice": 4000,

"categogy": "CATEGORY\_A"

}

1. **GET API – Get All Products in Cart**

* **Description:** Provides operation for getting all products in Cart
* **URL:** http://ocalhost:8080/products
* **Method:** GET
* **Sample Input Packet:** Not Required
* **Sample Output:**

[

{

"productId": 2,

"productName": "Hello",

"quantity": 20,

"unitPrice": 200,

"netItemPrice": 4000,

"categogy": "CATEGORY\_A"

},

{

"productId": 3,

"productName": "Hello",

"quantity": 30,

"unitPrice": 300,

"netItemPrice": 9000,

"categogy": "CATEGORY\_C"

}

]

1. **GET API – Get Product with Product id in Cart**

* **Description:** Provides operation for getting a perticular product with specified product id from Cart. Product Id to be passed with URL
* **URL:** http://ocalhost:8080/products/2
* **Method:** GET
* **Sample Input Packet:** Not Required
* **Sample Output:**

{

"productId": 2,

"productName": "Hello",

"quantity": 20,

"unitPrice": 200,

"netItemPrice": 4000,

"categogy": "CATEGORY\_A"

}

1. **GENERATE BILL API – Generates Itemized Bill for all products in cart.**

* **Description:** Provides operation for generating Itemized Bill for all the products in cart. This returns List of all the Item along with their Prices, Tax Levied and Net Bill Amount
* **URL:** localhost:8080/products/bill
* **Method:** GET
* **Sample Input Packet:** Not Required
* **Sample Output:**

{

"productList": [

{

"productId": 1,

"productName": "Hello",

"quantity": 10,

"unitPrice": 100,

"netItemPrice": 1000,

"categogy": "CATEGORY\_A"

},

{

"productId": 2,

"productName": "Hello",

"quantity": 20,

"unitPrice": 200,

"netItemPrice": 4000,

"categogy": "CATEGORY\_A"

},

{

"productId": 3,

"productName": "Hello",

"quantity": 30,

"unitPrice": 300,

"netItemPrice": 9000,

"categogy": "CATEGORY\_C"

}

],

"billAmountExclusiveOfTax": 14000,

"totalTaxAmount": 3200,

"netBillAmount": 17200

}

1. **Delete API – Delete Product with Product id in Cart**

* **Description:** Provides operation for getting a perticular product with specified product id from Cart. Product Id to be passed with URL
* **URL:** http://ocalhost:8080/products/2
* **Method:** DELETE
* **Sample Input Packet:** Not Required
* **Sample Output:**

{

"productId": 2,

"productName": "Hello",

"quantity": 20,

"unitPrice": 200,

"netItemPrice": 4000,

"categogy": "CATEGORY\_A"

}