Test Report IAD Lab 11

Inserted Data:

We have two customers

3005	Hassan Raza	University Road	Peshawar	KP	25000	145
3006	Ali Raza	Clifton Block 2	Karachi	KP	75600	146

With same state: KP

5 New Products:

INSERT INTO product_t

(Product_Id, Product_Line_Id, Product_Description, Product_Finish, Standard_Price)

VALUES

(9,1,'Gaming Chair','Black Leather',450),

(10,1,'Office Table','Oak Brown',600),

(11,2,'Bookshelf','White',300),

(12,2,'Study Lamp','Silver',80),

(13,3,'Wooden Cabinet','Dark Walnut',900)

Orders for 3005 and 3006

INSERT INTO order_t

(Order_Id, Customer_Id, Order_Date)

VALUES

(5001,3005,GETDATE()),

(5002,3005,GETDATE()),

(5003,3005,GETDATE()),

(5004,3006,GETDATE()),

(5005,3006,GETDATE()),

(5006,3006,GETDATE())

Order Line : INSERT INTO order_line_t

(Order_Id, Product_Id, Ordered_Quantity)

VALUES

-- CUSTOMER 3005

(5001,9,1), -- Gaming Chair

(5001,10,1), -- Office Table

(5002,9,1),

(5002,12,2), -- Study Lamp

(5003,10,1),

(5003,12,1),

-- CUSTOMER 3006

(5004,9,1), -- Gaming Chair

(5004,10,1),

(5005,9,1),

(5005,11,1), -- Bookshelf

(5006,10,1),

(5006,13,1) -- Cabinet

Note:

Because BOTH customers bought:

- Product 9
- product 10

So, When customer 3005 logs in:

system recommendations:

- Bookshelf (11)
- Cabinet (13)

because 3006 bought them.

And Also :

And for 3006:

system recommendations:

- Study Lamp (12)

because 3005 bought it.

So, lets test API First:

Successfully Recommended products 11 and 13

Lest test manually All Products Bought by Customer 3006

```
SELECT distinct ol.Product_Id
FROM order_t o
JOIN order_line_t ol
    ON o.Order_Id = ol.Order_Id
WHERE o.Customer_Id = 3006;
```

Returned multiple data sets: Set 1 , Set 2 , Set 3 , Set 4 , Set 5 , Set 6

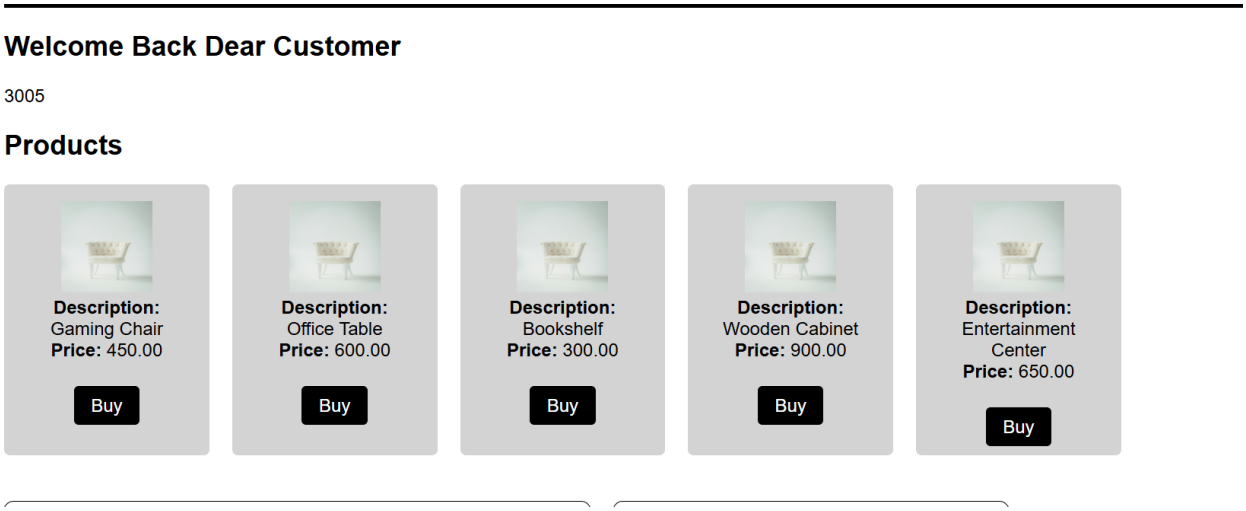
Set 1. Total rows: 5

Product_Id
4
9
10
11
13

4,9,10,11,13 Same as recommended....

And Also, in application

9	1	Gaming Chair	Black Leather	450.00



Recommending Gaming Chair Product 9 as first ...

Part2: Order Page Recommendations

Frequently Bought Together

New Orders:

INSERT INTO order_t

(Order_Id, Customer_Id, Order_Date)

VALUES

(5007,3005,GETDATE()),

(5008,3006,GETDATE())

INSERT INTO order_line_t

(Order_Id, Product_Id, Ordered_Quantity)

VALUES

(5007,9,1),

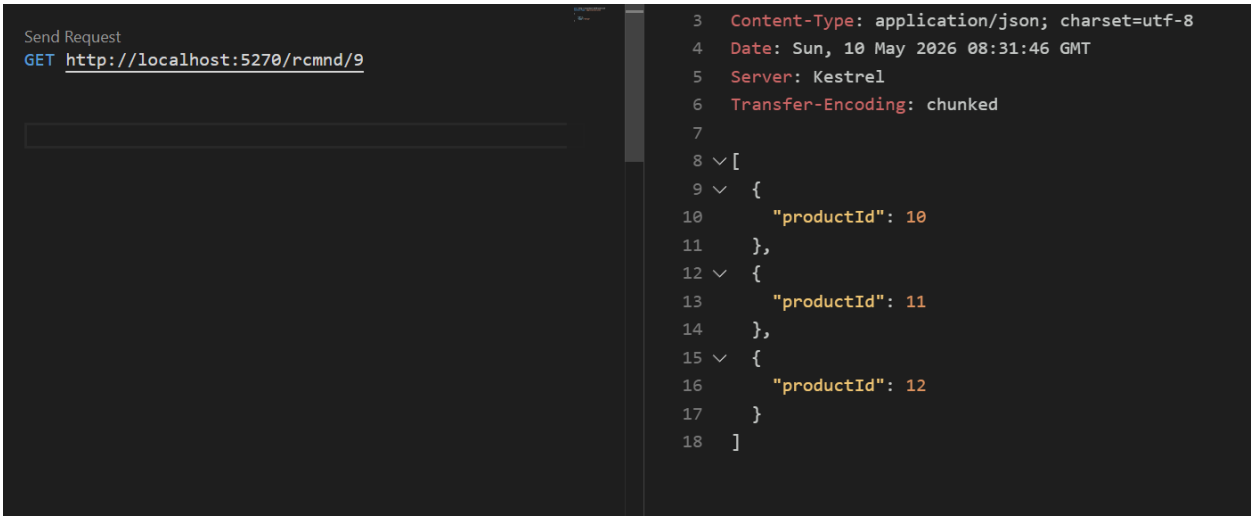
(5007,10,1),

(5008,9,1),

(5008,10,1)

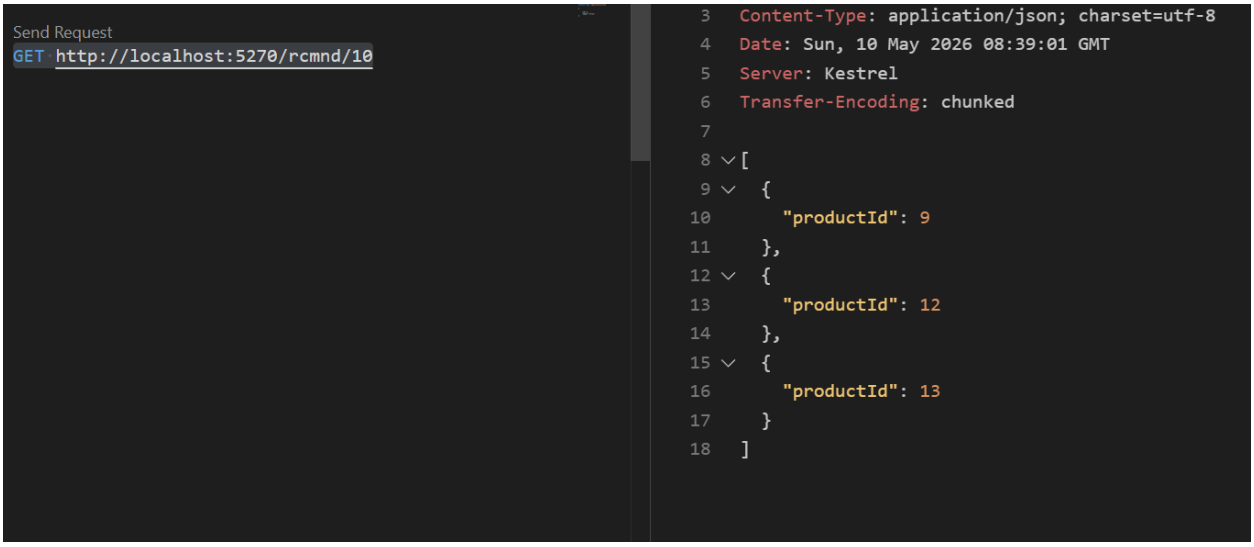
Note : Made product 9 and 10 appear more together....

Lets test in Vs code:



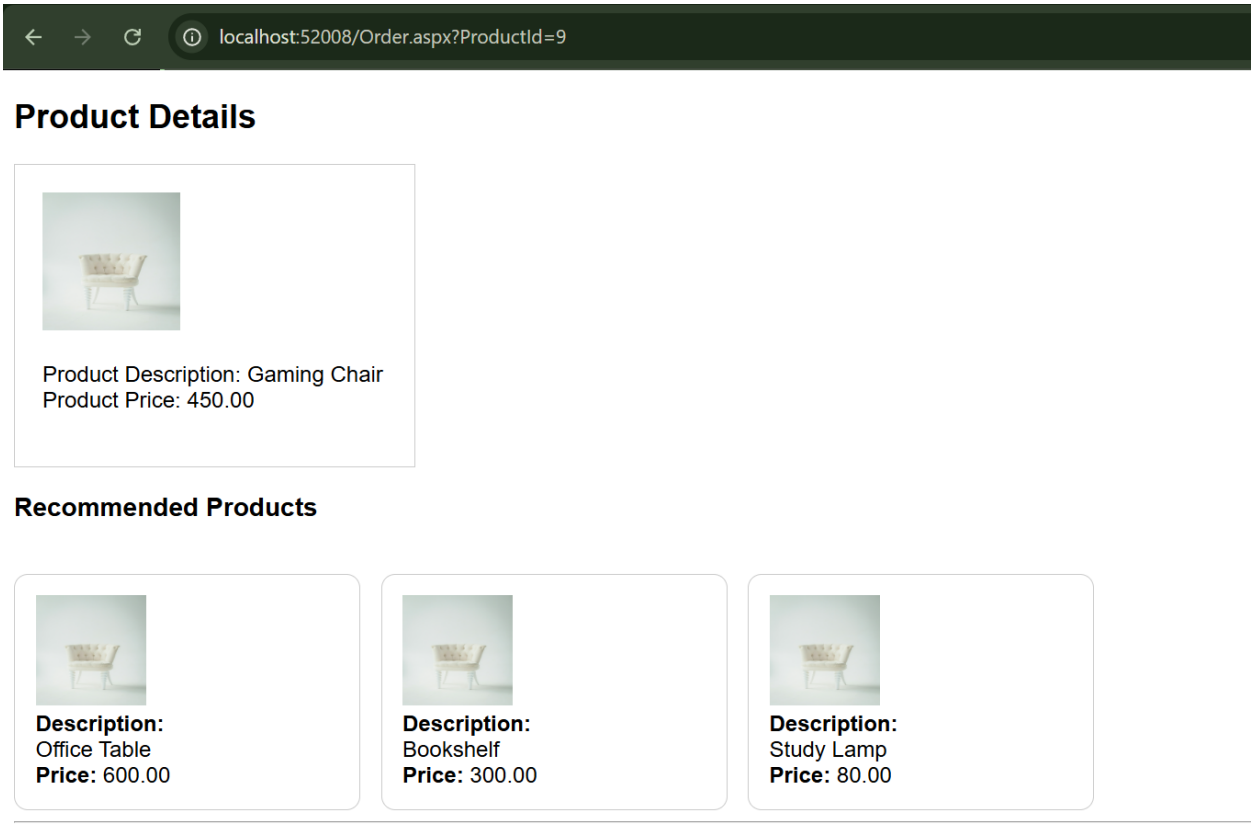
Succefully Recommended Product 10 for 9

And For 10



Recommended 9....

And in Application Test



For product Id: 9 (look in url)

It Recommended Office Table the Product with Id 10.

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