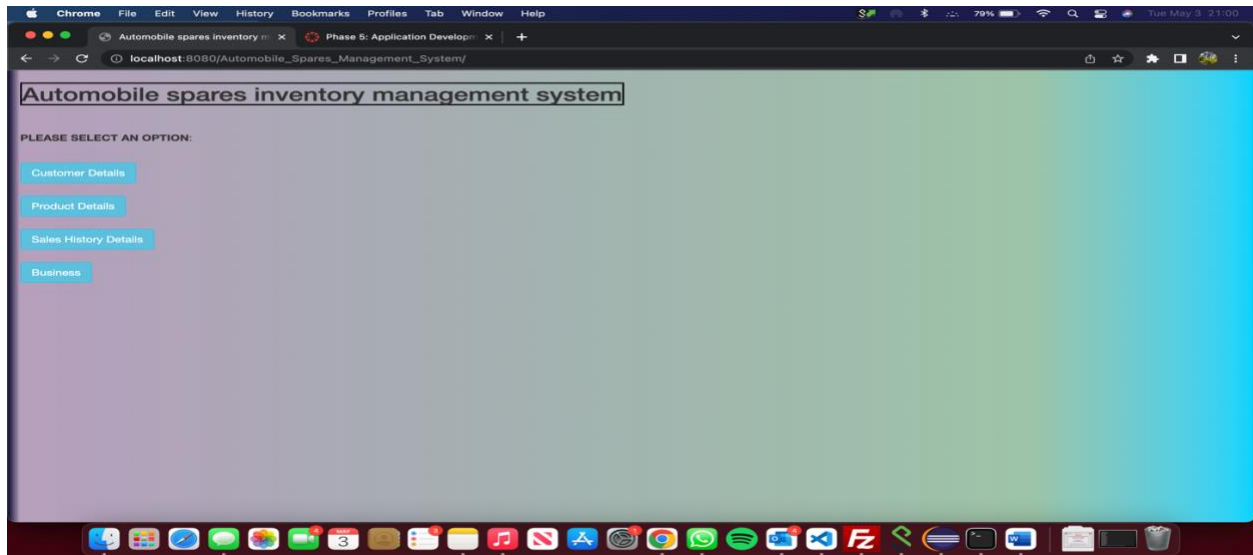# CSE 5330 – 003 DATABASE SYSTEMS
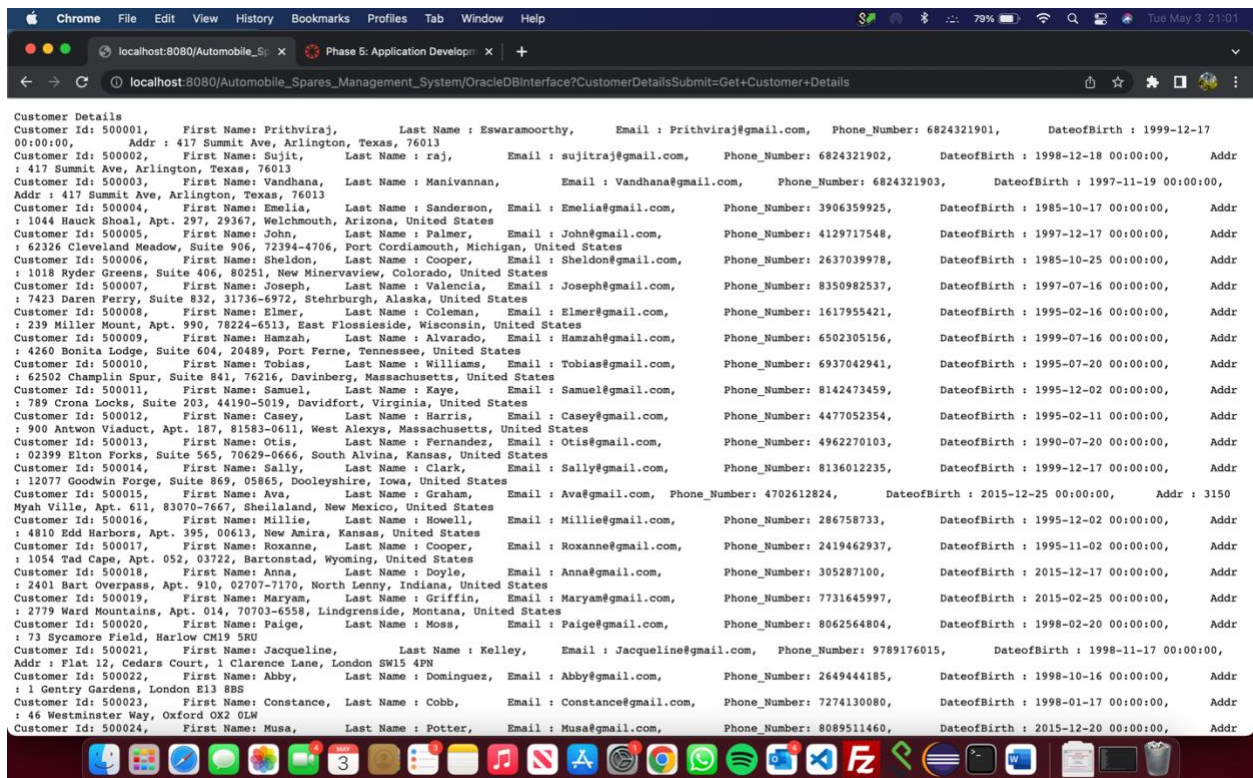# Phase 5: Application Development
Automobile Spares Inventory Management System

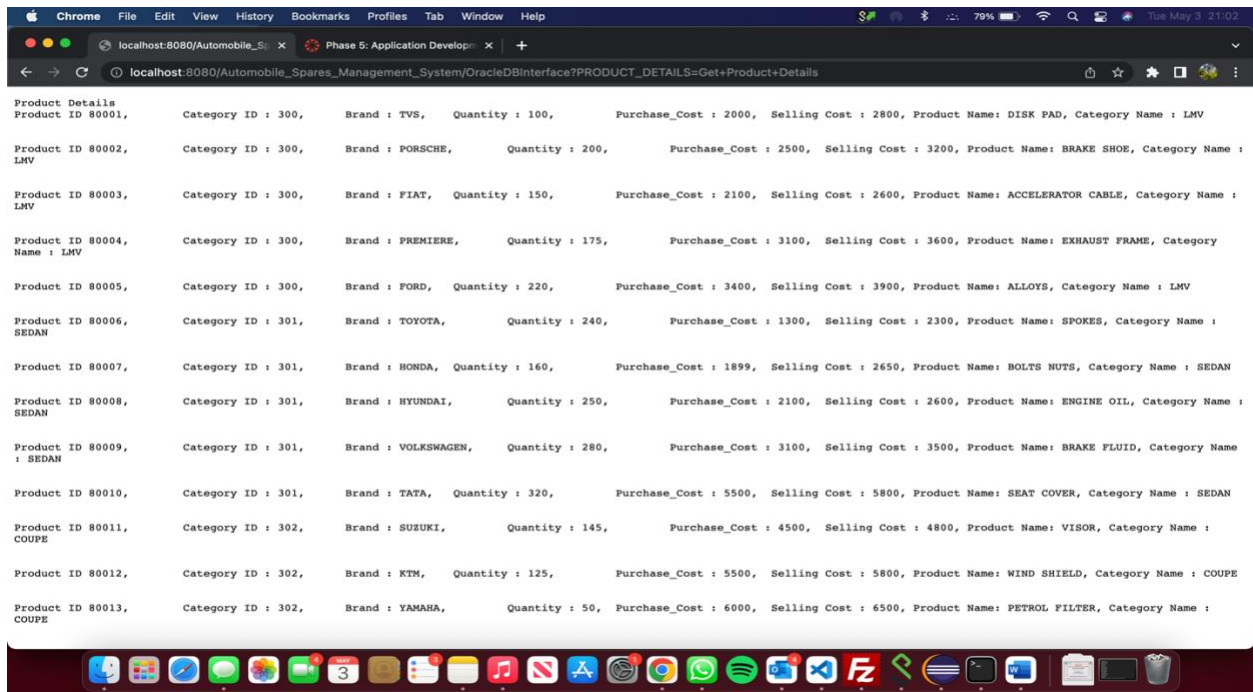## Home Page

Displaying Customer Details from S22_S003_15_CUSTOMER Relation

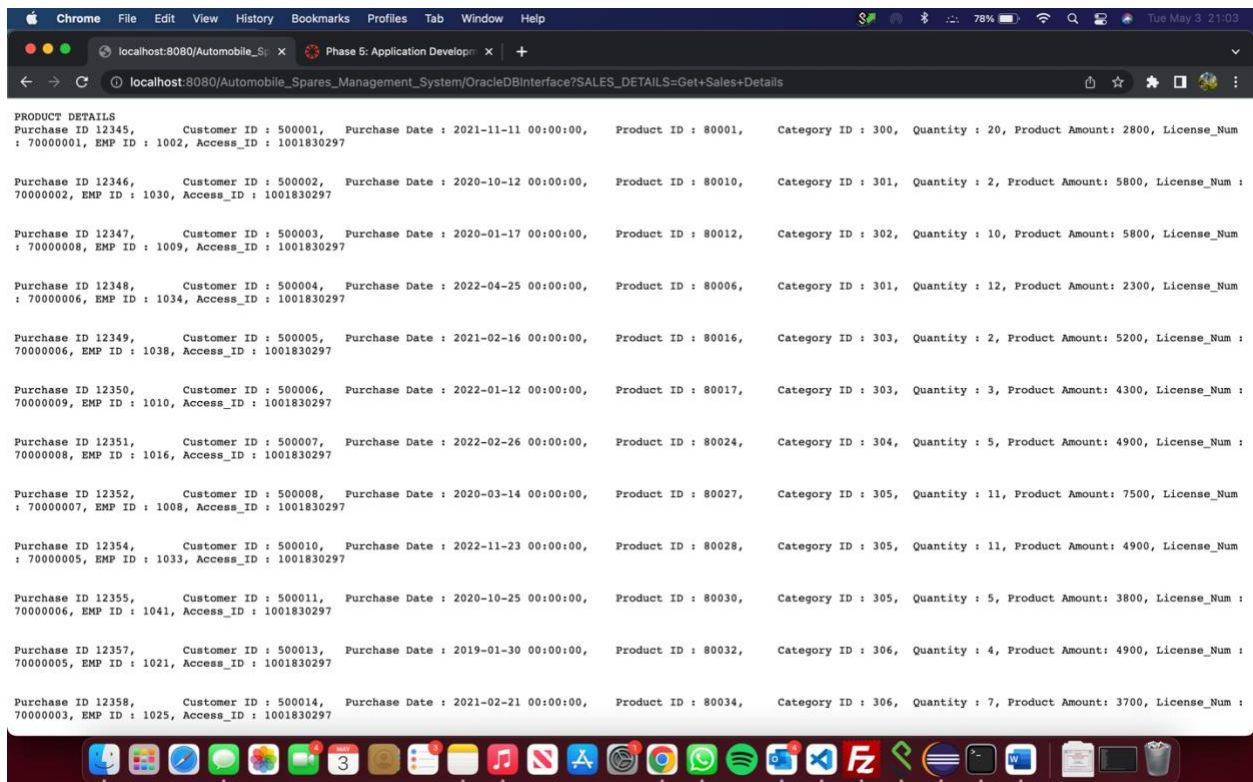# Displaying Product Details from S22_S003_15_Product Relation


```
Product Details
Product ID 80001,        Category ID : 300,      Brand : TVS,     Quantity : 100,         Purchase_Cost : 2000, Selling Cost : 2800, Product Name: DISK PAD, Category Name : LMV

Product ID 80002,        Category ID : 300,      Brand : PORSCHE,       Quantity : 200,       Purchase_Cost : 2500, Selling Cost : 3200, Product Name: BRAKE SHOE, Category Name :
LMV

Product ID 80003,        Category ID : 300,      Brand : FIAT,    Quantity : 150,         Purchase_Cost : 2100, Selling Cost : 2600, Product Name: ACCELERATOR CABLE, Category Name :
LMV

Product ID 80004,        Category ID : 300,      Brand : PREMIERE,      Quantity : 175,       Purchase_Cost : 3100, Selling Cost : 3600, Product Name: EXHAUST FRAME, Category
Name : LMV

Product ID 80005,        Category ID : 300,      Brand : FORD,    Quantity : 220,         Purchase_Cost : 3400, Selling Cost : 3900, Product Name: ALLOYS, Category Name : LMV

Product ID 80006,        Category ID : 301,      Brand : TOYOTA,        Quantity : 240,       Purchase_Cost : 1300, Selling Cost : 2300, Product Name: SPOKES, Category Name :
SEDAN

Product ID 80007,        Category ID : 301,      Brand : HONDA,   Quantity : 160,         Purchase_Cost : 1899, Selling Cost : 2650, Product Name: BOLTS NUTS, Category Name : SEDAN

Product ID 80008,        Category ID : 301,      Brand : HYUNDAI,       Quantity : 250,       Purchase_Cost : 2100, Selling Cost : 2600, Product Name: ENGINE OIL, Category Name :
SEDAN

Product ID 80009,        Category ID : 301,      Brand : VOLKSWAGEN,      Quantity : 280,       Purchase_Cost : 3100, Selling Cost : 3500, Product Name: BRAKE FLUID, Category Name
: SEDAN

Product ID 80010,        Category ID : 301,      Brand : TATA,    Quantity : 320,         Purchase_Cost : 5500, Selling Cost : 5800, Product Name: SEAT COVER, Category Name : SEDAN

Product ID 80011,        Category ID : 302,      Brand : SUZUKI,        Quantity : 145,       Purchase_Cost : 4500, Selling Cost : 4800, Product Name: VISOR, Category Name :
COUPE

Product ID 80012,        Category ID : 302,      Brand : KTM,     Quantity : 125,         Purchase_Cost : 5500, Selling Cost : 5800, Product Name: WIND SHIELD, Category Name : COUPE

Product ID 80013,        Category ID : 302,      Brand : YAMAHA,        Quantity : 50, Purchase_Cost : 6000, Selling Cost : 6500, Product Name: PETROL FILTER, Category Name :
COUPE
```
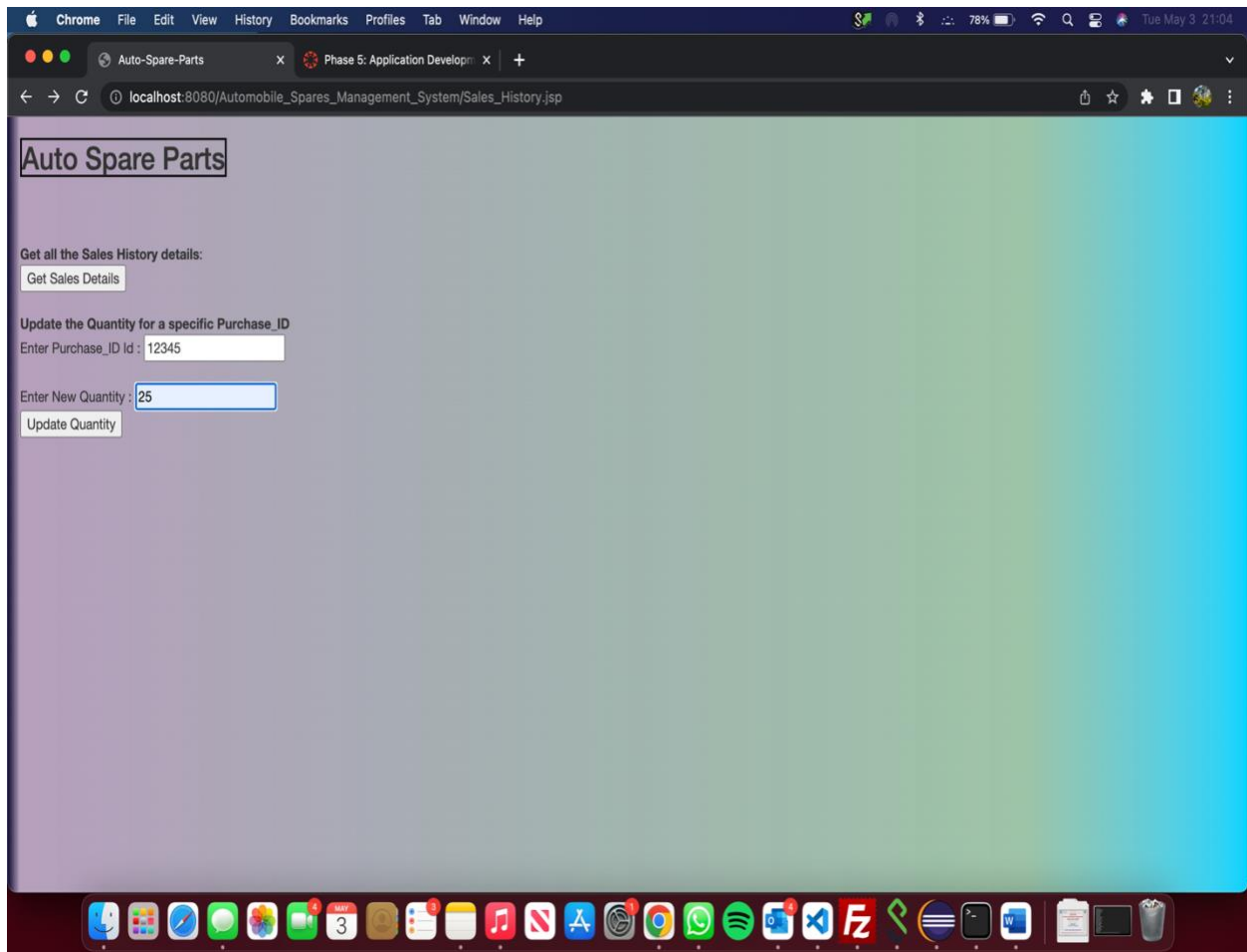
Displaying Product Details from S22_S003_15_SALES_HISTORY Relation


```
PRODUCT DETAILS
Purchase ID 12345,       Customer ID : 500001,  Purchase Date : 2021-11-11 00:00:00,      Product ID : 80001,    Category ID : 300, Quantity : 20, Product Amount: 2800, License_Num
: 70000001, EMP ID : 1002, Access_ID : 1001830297

Purchase ID 12346,       Customer ID : 500002,  Purchase Date : 2020-10-12 00:00:00,      Product ID : 80010,    Category ID : 301, Quantity : 2, Product Amount: 5800, License_Num :
70000002, EMP ID : 1030, Access_ID : 1001830297

Purchase ID 12347,       Customer ID : 500003,  Purchase Date : 2020-01-17 00:00:00,      Product ID : 80012,    Category ID : 302, Quantity : 10, Product Amount: 5800, License_Num
: 70000008, EMP ID : 1009, Access_ID : 1001830297

Purchase ID 12348,       Customer ID : 500004,  Purchase Date : 2022-04-25 00:00:00,      Product ID : 80006,    Category ID : 301, Quantity : 12, Product Amount: 2300, License_Num
: 70000006, EMP ID : 1034, Access_ID : 1001830297

Purchase ID 12349,       Customer ID : 500005,  Purchase Date : 2021-02-16 00:00:00,      Product ID : 80016,    Category ID : 303, Quantity : 2, Product Amount: 5200, License_Num :
70000006, EMP ID : 1038, Access_ID : 1001830297

Purchase ID 12350,       Customer ID : 500006,  Purchase Date : 2022-01-12 00:00:00,      Product ID : 80017,    Category ID : 303, Quantity : 3, Product Amount: 4300, License_Num :
70000009, EMP ID : 1010, Access_ID : 1001830297

Purchase ID 12351,       Customer ID : 500007,  Purchase Date : 2022-02-26 00:00:00,      Product ID : 80024,    Category ID : 304, Quantity : 5, Product Amount: 4900, License_Num :
70000008, EMP ID : 1016, Access_ID : 1001830297

Purchase ID 12352,       Customer ID : 500008,  Purchase Date : 2020-03-14 00:00:00,      Product ID : 80027,    Category ID : 305, Quantity : 11, Product Amount: 7500, License_Num
: 70000007, EMP ID : 1008, Access_ID : 1001830297

Purchase ID 12354,       Customer ID : 500010,  Purchase Date : 2022-11-23 00:00:00,      Product ID : 80028,    Category ID : 305, Quantity : 11, Product Amount: 4900, License_Num
: 70000005, EMP ID : 1033, Access_ID : 1001830297

Purchase ID 12355,       Customer ID : 500011,  Purchase Date : 2020-10-25 00:00:00,      Product ID : 80030,    Category ID : 305, Quantity : 5, Product Amount: 3800, License_Num :
70000006, EMP ID : 1041, Access_ID : 1001830297

Purchase ID 12357,       Customer ID : 500013,  Purchase Date : 2019-01-30 00:00:00,      Product ID : 80032,    Category ID : 306, Quantity : 4, Product Amount: 4900, License_Num :
70000005, EMP ID : 1021, Access_ID : 1001830297

Purchase ID 12358,       Customer ID : 500014,  Purchase Date : 2021-02-21 00:00:00,      Product ID : 80034,    Category ID : 306, Quantity : 7, Product Amount: 3700, License_Num :
70000003, EMP ID : 1025, Access_ID : 1001830297
```

Updating Quantity Based on specific Quantity

Before Updating

PRODUCT DETAILS
Purchase ID 12345,   Customer ID : 500001,   Purchase Date : 2021-11-11 00:00:00,   Product ID : 80001,   Category ID : 300, Quantity : 20, Product Amount: 2800, License_Num
: 70000001, EMP ID : 1002, Access_ID : 1001830297

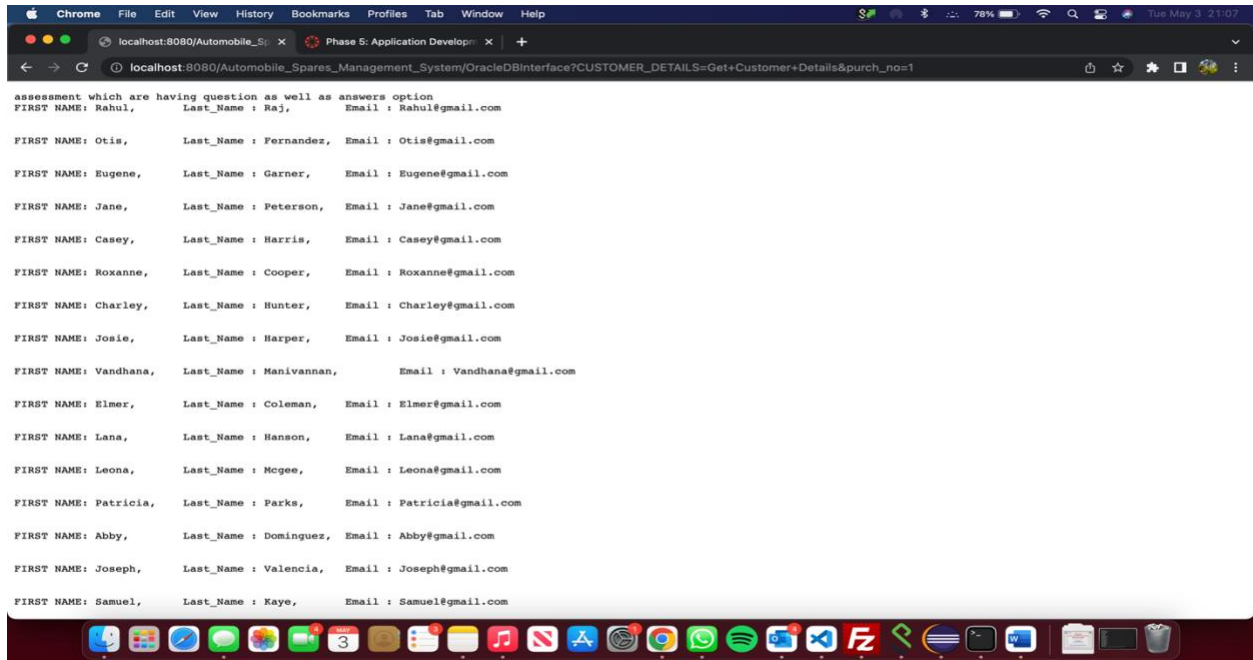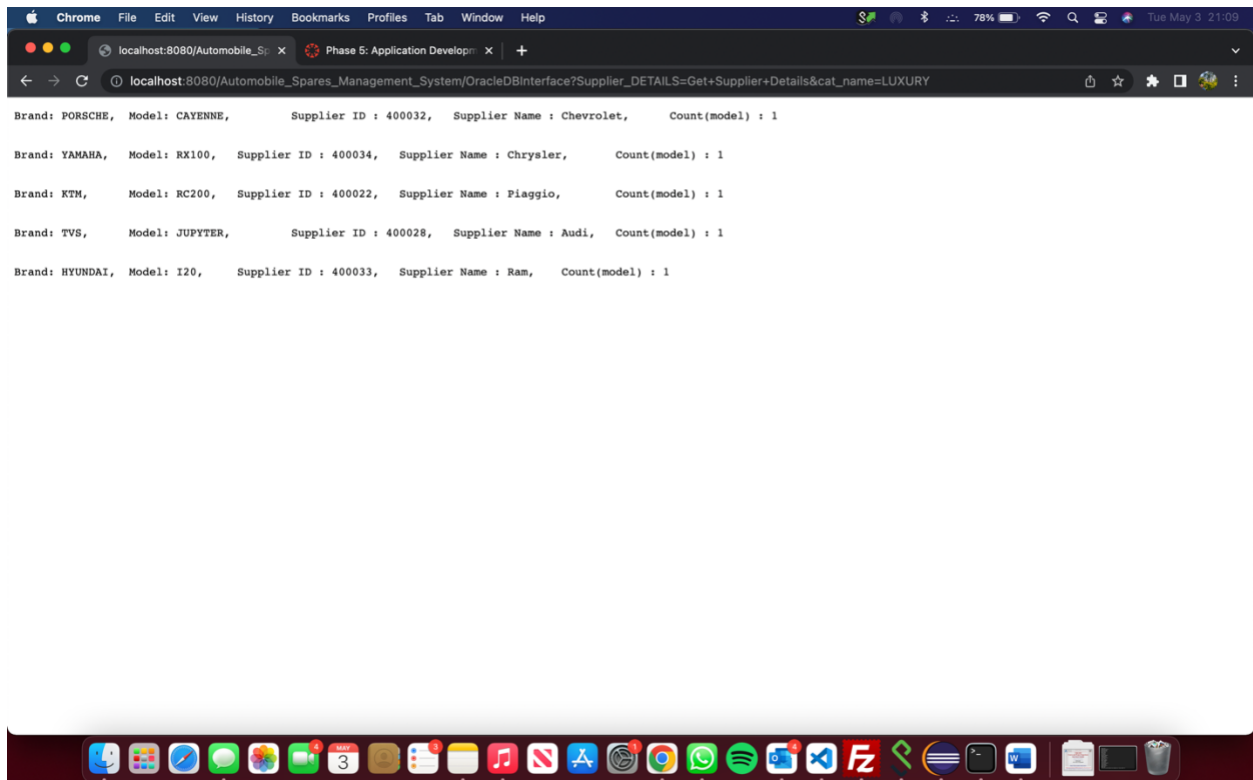**After Updating**

PRODUCT DETAILS
Purchase ID 12345,   Customer ID : 500001,   Purchase Date : 2021-11-11 00:00:00,   Product ID : 80001,   Category ID : 300, Quantity : 25, Product Amount: 2800, License_Num
: 70000001, EMP ID : 1002, Access_ID : 1001830297

Business Goals Screenshots

Getting Customer Details who have done purchase
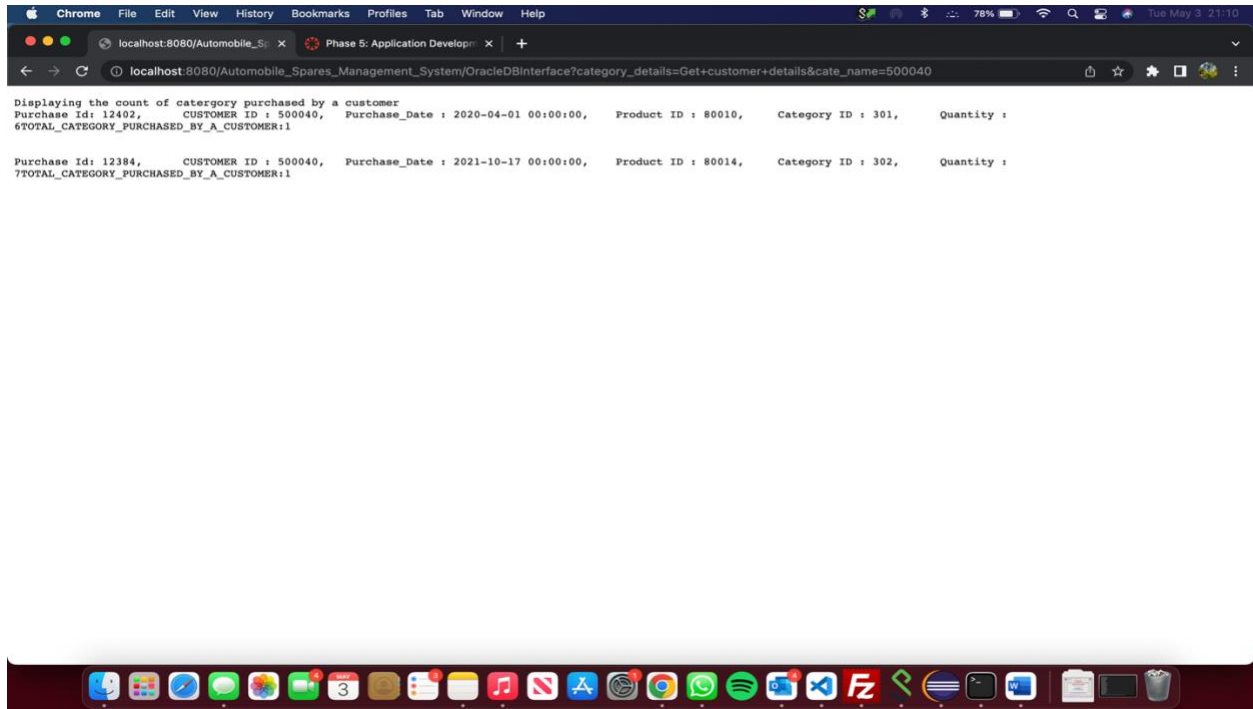


```
assessment which are having question as well as answers option
FIRST NAME: Rahul,        Last_Name : Raj,         Email : Rahul@gmail.com

FIRST NAME: Otis,         Last_Name : Fernandez,   Email : Otis@gmail.com

FIRST NAME: Eugene,       Last_Name : Garner,      Email : Eugene@gmail.com

FIRST NAME: Jane,         Last_Name : Peterson,    Email : Jane@gmail.com

FIRST NAME: Casey,        Last_Name : Harris,      Email : Casey@gmail.com

FIRST NAME: Roxanne,      Last_Name : Cooper,      Email : Roxanne@gmail.com

FIRST NAME: Charley,      Last_Name : Hunter,      Email : Charley@gmail.com

FIRST NAME: Josie,        Last_Name : Harper,      Email : Josie@gmail.com

FIRST NAME: Vandhana,     Last_Name : Manivannan,       Email : Vandhana@gmail.com

FIRST NAME: Elmer,        Last_Name : Coleman,     Email : Elmer@gmail.com

FIRST NAME: Lana,         Last_Name : Hanson,      Email : Lana@gmail.com

FIRST NAME: Leona,        Last_Name : Mcgee,       Email : Leona@gmail.com

FIRST NAME: Patricia,     Last_Name : Parks,       Email : Patricia@gmail.com

FIRST NAME: Abby,         Last_Name : Dominguez,   Email : Abby@gmail.com

FIRST NAME: Joseph,       Last_Name : Valencia,    Email : Joseph@gmail.com

FIRST NAME: Samuel,       Last_Name : Kaye,        Email : Samuel@gmail.com
```

Grouping brand models by luxury and getting their respective suppliers and model counts:


```
Brand: PORSCHE,  Model: CAYENNE,       Supplier ID : 400032,   Supplier Name : Chevrolet,    Count(model) : 1

Brand: YAMAHA,   Model: RX100,   Supplier ID : 400034,   Supplier Name : Chrysler,   Count(model) : 1

Brand: KTM,      Model: RC200,   Supplier ID : 400022,   Supplier Name : Piaggio,    Count(model) : 1

Brand: TVS,      Model: JUPYTER,       Supplier ID : 400028,   Supplier Name : Audi,   Count(model) : 1

Brand: HYUNDAI,  Model: I20,     Supplier ID : 400033,   Supplier Name : Ram,    Count(model) : 1
```

Displaying the count of category purchase by a specific customer:

Fetching first 10 rows of customer purchasing for a category :