

## **Project Description**

Our final project is a food app which consists of three pages - Home, Users, and Restaurants.

Upon entering the website, the user is redirected to the Home page which welcomes the user and tells them a little bit about the domain of the project. They can explore all tables from this page by selecting a service followed by the information that they want to see.

Next, on the Users page, a user can sign up, unsubscribe users, and filter user information by one or more attributes. Also, they can view different types of users, the biggest critics and the biggest foodies.

Lastly, on the Restaurants page, a user can search for any restaurant by inputting one or more attributes. They can also search for any menu item, and update and delete menu items amongst other things.

## **Final Schema Differences**

Table Name	Old Schema	New Schema	Reason
Users	<pre>CREATE TABLE Users(     userID INT,     password VARCHAR(64) NOT NULL,     firstName VARCHAR(30) NOT NULL,     lastName VARCHAR(30) NOT NULL,     email VARCHAR(320) NOT NULL,     phoneNumber VARCHAR(10) NOT NULL,     PRIMARY KEY(userID),     UNIQUE(email,     phoneNumber) );</pre>	<pre>CREATE TABLE Users(     userID INT,     password VARCHAR(64) NOT NULL,     firstName VARCHAR(30) NOT NULL,     lastName VARCHAR(30) NOT NULL,     email VARCHAR(320) UNIQUE NOT NULL,     phoneNumber VARCHAR(10) UNIQUE NOT NULL,     PRIMARY KEY(userID) );</pre>	<ul style="list-style-type: none"><li>• Earlier an email, phone number pair needed to be unique by different users could have same email or phone number which is not the behaviour we expect from users. We now force all users to have different emails and phone numbers.</li></ul>
Manu_Item	<pre>CREATE TABLE Menu_Item(     itemID INT,     restaurantID INT,</pre>	<pre>CREATE TABLE Menu_Item(     itemID INT,     restaurantID INT,</pre>	<ul style="list-style-type: none"><li>• Removed picture attribute since</li></ul>

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	itemName VARCHAR(30) NOT NULL, description VARCHAR(40), price REAL NOT NULL, picture BLOB, quantity INT NOT NULL, PRIMARY KEY(itemID, restaurantID), FOREIGN KEY(restaurantID) REFERENCES RestaurantTable_4(restau rantID) );	itemName VARCHAR(30) NOT NULL, description VARCHAR(40), price REAL NOT NULL, quantity INT NOT NULL, PRIMARY KEY(itemID, restaurantID), FOREIGN KEY(restaurantID) REFERENCES RestaurantTable_4(restau rantID) ON DELETE CASCADE );	we did not have time to add pictures and display them on the app
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- Also, please note that we added ON DELETE CASCADE constraints to all tables that have foreign keys since they were needed for constraint preservation. The tables are: Customer, Driver, TrackingTable\_2, TrackingTable\_3, OrderTable\_2, OrderTable\_3, Complain\_Regarding, RestaurantTable\_2, RestaurantTable\_3, RestaurantTable\_4, Menu\_Item, Feedback\_Gives, Contains, PaymentTable\_2

## Screenshots Of Final Schemas and Data

```
SQL> describe users;
Name          Null?    Type
-----          -----
USERID        NOT NULL NUMBER(38)
PASSWORD      NOT NULL VARCHAR2(64)
FIRSTNAME    NOT NULL VARCHAR2(30)
LASTNAME     NOT NULL VARCHAR2(30)
EMAIL         NOT NULL VARCHAR2(320)
PHONENUMBER   NOT NULL VARCHAR2(10)

SQL> describe customer;
Name          Null?    Type
-----          -----
USERID        NOT NULL NUMBER(38)
NUMORDERS    NUMBER(38)
ADDRESS       NOT NULL VARCHAR2(80)

SQL> describe driver;
Name          Null?    Type
-----          -----
USERID        NOT NULL NUMBER(38)
NUMDELIVERIES NUMBER(38)

SQL> describe TrackingTable_1;
Name          Null?    Type
-----          -----
STATUS        NOT NULL VARCHAR2(10)
ENDTIME      NOT NULL TIMESTAMP(6)
```

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```
SQL> describe TrackingTable_2;
Name          Null?    Type
-----
STARTTIME      NOT NULL TIMESTAMP(6)
ENDTIME        NOT NULL TIMESTAMP(6)
DURATION       INTERVAL DAY(0) TO SECOND(0)

SQL> describe TrackingTable_3;
Name          Null?    Type
-----
TRACKINGID    NOT NULL NUMBER(38)
STARTTIME      NOT NULL TIMESTAMP(6)
ENDTIME        TIMESTAMP(6)

SQL> describe OrderTable_1;
Name          Null?    Type
-----
DELIVERYFEE    NOT NULL FLOAT(63)
ORDERTYPE      NOT NULL VARCHAR2(10)

SQL> describe OrderTable_2;
Name          Null?    Type
-----
ORDERTYPE      NOT NULL VARCHAR2(10)
SUBTOTAL        NOT NULL FLOAT(63)
TOTALAMOUNT    NOT NULL FLOAT(63)
```

```
SQL> describe OrderTable_3;
Name          Null?    Type
-----
ORDERID        NOT NULL NUMBER(38)
CUSTOMER_USERID NOT NULL NUMBER(38)
DRIVER_USERID  NOT NULL NUMBER(38)
TRACKINGID    NOT NULL NUMBER(38)
ORDERTYPE      NOT NULL VARCHAR2(10)
SUBTOTAL        NOT NULL FLOAT(63)

SQL> describe Complain_Regarding;
Name          Null?    Type
-----
COMPLAINID    NOT NULL NUMBER(38)
DETAILS        NOT NULL VARCHAR2(250)
ORDERID        NOT NULL NUMBER(38)
USERID         NOT NULL NUMBER(38)

SQL> describe RestaurantTable_1;
Name          Null?    Type
-----
NAME           NOT NULL VARCHAR2(30)
LOGO           BLOB

SQL> describe RestaurantTable_2;
Name          Null?    Type
-----
LOCATION       NOT NULL VARCHAR2(80)
NAME           NOT NULL VARCHAR2(30)
OVERALLRATING  FLOAT(63)
```

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```
SQL> describe RestaurantTable_3;
Name          Null?    Type
-----
PHONENUM          NOT NULL VARCHAR2(10)
LOCATION          NOT NULL VARCHAR2(80)

SQL> describe RestaurantTable_4;
Name          Null?    Type
-----
RESTAURANTID      NOT NULL NUMBER(38)
MANAGER            VARCHAR2(30)
PHONEUM           NOT NULL VARCHAR2(10)

SQL> describe Menu_Item;
Name          Null?    Type
-----
ITEMID          NOT NULL NUMBER(38)
RESTAURANTID      NOT NULL NUMBER(38)
ITEMNAME          NOT NULL VARCHAR2(30)
DESCRIPTION        VARCHAR2(40)
PRICE             NOT NULL FLOAT(63)
QUANTITY          NOT NULL NUMBER(38)

SQL> describe Feedback_Gives;
Name          Null?    Type
-----
FEEDBACKID        NOT NULL NUMBER(38)
RATING             NOT NULL NUMBER(38)
REVIEW             VARCHAR2(100)
USERID             NOT NULL NUMBER(38)
RESTAURANTID       NOT NULL NUMBER(38)
```

```
SQL> describe Contains;
Name          Null?    Type
-----
ITEMID          NOT NULL NUMBER(38)
RESTAURANTID      NOT NULL NUMBER(38)
ORDERID           NOT NULL NUMBER(38)

SQL> describe PaymentTable_1;
Name          Null?    Type
-----
AMOUNT           NOT NULL FLOAT(63)
TAX              NOT NULL FLOAT(63)

SQL> describe PaymentTable_2;
Name          Null?    Type
-----
PAYMENTID         NOT NULL NUMBER(38)
AMOUNT            NOT NULL FLOAT(63)
PAYMENTDATE        NOT NULL TIMESTAMP(6)
USERID             NOT NULL NUMBER(38)
RESTAURANTID       NOT NULL NUMBER(38)
```

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### **Users**

USERID	PASSWORD	First Name	Last Name	Email Address	Phone Number
1	pass1	bob	marley	bob_m@gmail.com	2508634536
2	pass2	harry	lewis	harry_l@gmail.com	2505634536
3	pass3	josh	bradley	josh_b@gmail.com	2508623656
4	pass4	tobi	brown	tobi@gmail.com	1508634536
5	pass5	simon	minter	simon@gmail.com	2236634536
6	pass6	vikram	singh	vik_s@gmail.com	1158634536
7	pass7	ethan	payne	ethan@gmail.com	9505634536
8	pass8	jj	wyatt	j_w@gmail.com	2501113656
9	pass9	carol	baskin	carolb@gmail.com	9998634536
10	pass10	jalen	turner	jt@gmail.com	8556634536

### **Customer**

USERID	NUMORDERS	ADDRESS
1	32	5621 Dunbar St
2	4	1131 Dunbar St
3	6	1364 W 11th Ave
4	11	1033 Second St
5	32	5621 Dunbar St

### **Driver**

USERID	NUMDELIVERIES
6	5
7	15
8	55
9	54
10	4

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### **Tracking\_Table1**

STATUS	ENDTIME
COMPLETED	01-FEB-23 12.15 .00.000000 PM
COMPLETED	02-FEB-23 04.00 .00.000000 PM
COMPLETED	03-FEB-23 09.00 .00.000000 AM
COMPLETED	04-FEB-23 06.00 .00.000000 PM
COMPLETED	05-FEB-23 11.45 .00.000000 AM
PROCESSING	01-JAN-99 12.00 .00.000000 AM
STATUS	ENDTIME

### **Tracking\_Table2**

STARTTIME	ENDTIME	DURATION
01-FEB-23 12.00 .00.000000 PM	01-FEB-23 12.15 .00.000000 PM	+0 00:15:00
02-FEB-23 03.30 .00.000000 PM	02-FEB-23 04.00 .00.000000 PM	+0 00:30:00
03-FEB-23 08.45 .00.000000 AM	03-FEB-23 09.00 .00.000000 AM	+0 00:15:00
04-FEB-23 05.00 .00.000000 PM	04-FEB-23 06.00 .00.000000 PM	+0 01:00:00
05-FEB-23 11.20 .00.000000 AM	05-FEB-23 11.45 .00.000000 AM	+0 00:25:00
05-APR-23 08.56 .15.781758 PM	01-JAN-99 12.00 .00.000000 AM	
STARTTIME	ENDTIME	DURATION

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### **Tracking\_Table3**

TRACKINGID	STARTTIME	ENDTIME
1	01-FEB-23 12.00 .00.000000 PM	01-FEB-23 12.15 .00.000000 PM
2	02-FEB-23 03.30 .00.000000 PM	02-FEB-23 04.00 .00.000000 PM
3	03-FEB-23 08.45 .00.000000 AM	03-FEB-23 09.00 .00.000000 AM
4	04-FEB-23 05.00 .00.000000 PM	04-FEB-23 06.00 .00.000000 PM
5	05-FEB-23 11.20 .00.000000 AM	05-FEB-23 11.45 .00.000000 AM

### **OrderTable\_1**

DELIVERYFEE	ORDERTYPE
6	Platinum
5	Gold
4	Silver
3	Bronze
2	Standard

### **OrderTable\_2**

ORDERTYPE	SUBTOTAL	TOTALAMOUNT
Platinum	100.00	105.99
Gold	100.00	104.99
Silver	90.00	93.99
Bronze	56.00	58.99
Standard	100.00	101.99

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### **OrderTable\_3**

ORDERID	CUSTOMER_USERID	DRIVER_USERID	TRACKINGID	ORDERTYPE	SUBTOTAL
1	1	6	1	Standard	100.00
2	2	7	2	Gold	100.00
3	3	8	3	Platinum	100.00
4	4	9	4	Gold	100.00
5	5	10	5	Platinum	100.00

### **Complain\_Regarding**

COMPLAINID	DETAILS	ORDERID	USERID
1	Driver was rude.	1	1
2	Driver left food outside of my house without calling.	2	2
3	Customer was very angry and stared shouting like crazy.	3	8
4	Customer was rude.	4	9
5	Driver was shouting.	5	5

### **Restaurant\_Table1**

NAME	LOGO
KFC	
Dominos	
Pizza Hut	
Cactus Club	
Social	

### **Restaurant\_Table2**

LOCATION	NAME	OVERALLRATING
1050 Burard St.	KFC	4.20
1150 Dunbar St.	Dominos	4.00
2250 Burard St.	Pizza Hut	3.20
3456 West 11th Ave.	Cactus Club	4.40
5621 Dunbar St.	Social	5.00

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### Restaurant\_Table3

PHONENUM	LOCATION
<hr/>	
2504566532	1050 Burard St.
2504566531	1150 Dunbar St.
2504566533	2250 Burard St.
2504566534	3456 West 11th Ave.
2504566535	5621 Dunbar St.

### Restaurant\_Table4

RESTAURANTID	MANAGER	PHONENUM
<hr/>		
1	Kush Arora	2504566532
2	Jason Tatum	2504566531
3	Dwight Howard	2504566533
4	Phil Foden	2504566534
5	Leo Messi	2504566535

### Menu\_Item

ITEMID	RESTAURANTID	ITEMNAME	DESCRIPTION	PRICE	QUANTITY
1	1	Zinger Burger	its finger lickin food	\$10.00	10
2	1	Zinger Twister	its finger lickin food	\$8.99	1
1	2	Philly Steak	Philly Steak	\$14.99	1
2	2	Pepperoni	tastylicious	\$12.99	1
1	3	Triple Crown	yummy pizza!!!	\$20.99	1

### Feedback\_Gives

FEEDBACKID	RATING	REVIEW	USERID	RESTAURANTID
1	3	It was amazing	1	1
2	4	It was tasty	2	1
3	5	phenomenal	3	2
4	4	wowww It was amazing	4	3
5	3	It was not that tast y	5	5
6	3	It was amazing	1	2
7	3	It was amazing	1	3
8	3	It was amazing	1	4
9	3	It was amazing	1	5
10	3	It was not that tast y	3	1
11	3	It was amazing	3	2
12	3	It was amazing	3	3
13	3	It was amazing	3	4
14	3	It was amazing	3	5

### Contains

ITEMID	RESTAURANTID	ORDERID
1	1	1
1	1	2
1	1	3
1	1	4
1	1	5

**PaymentTable\_1**

AMOUNT	TAX
<hr/>	
\$101.99	\$5.10
\$10.00	\$5.00
\$50.00	\$2.50
\$74.00	\$3.70
\$83.00	\$4.15

**PaymentTable\_2**

PAYMENTID	AMOUNT	PAYMENTDATE	USERID	RESTAURANTID
1	\$101.99	01-FEB-23 12.00.00.0 00000 PM	1	1
2	\$101.99	02-FEB-23 03.30.00.0 00000 PM	2	1
3	\$101.99	03-FEB-23 08.45.00.0 00000 AM	3	2
4	\$101.99	04-FEB-23 05.00.00.0 00000 PM	4	3
5	\$101.99	05-FEB-23 11.20.00.0 00000 AM	5	5

## SQL Queries

<b>Insert</b>	<b>line: 200, 203, 206</b> <b>handleInsertRequest()</b>	<b>fileName:</b> <b>backend/handlers.php</b>
<b>Delete</b>	<b>Line: 531</b> handleUpdateDeleteMenuItem()	<b>fileName:</b> <b>backend/handlers.php</b>
<b>Update</b>	<b>line: 526, 549, 550</b> handleUpdateDeleteMenuItem()	<b>fileName:</b> <b>backend/handlers.php</b>
<b>Selection</b>	<b>line: 339</b> <b>handleRestaurantRequest()</b>	<b>fileName:</b> <b>backend/handlers.php</b>
<b>Projection</b>	<b>Line: 248</b> handleSearchUserRequest2()	<b>fileName:</b> <b>backend/handlers.php</b>
<b>Join</b>	<b>Line: 604</b> handleJoinRequest()	<b>fileName:</b> <b>backend/handlers.php</b>
<b>Aggregation with GROUP BY</b>	<b>line: 127</b> handleGet()	<b>fileName:</b> <b>backend/router.php</b>
<b>Aggregation with Having</b>	<b>Line: 620</b> handleHavingRequest()	<b>fileName:</b> <b>backend/handlers.php</b>
<b>Nested Aggregation with GROUP BY</b>	<b>Line: 147</b> handleGet()	<b>fileName:</b> <b>backend/router.php</b>
<b>Division</b>	<b>Line: 157</b> handleGet()	<b>fileName:</b> <b>backend/router.php</b>

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## INSERT QUERY

Before table:

View Users

Show All Users Show All Customers Show All Drivers Show Biggest Critics Show Biggest Foodies

Users

USERID	PASSWORD	FIRSTNAME	LASTNAME	EMAIL	PHONENUMBER
1	pass1	bob	marley	bob_m@gmail.com	2508634536
2	pass2	harry	lewis	harry_l@gmail.com	2505634536
3	pass3	josh	bradley	josh_b@gmail.com	2508623656
4	pass4	tobi	brown	tobi@gmail.com	1508634536
5	pass5	simon	minter	simon@gmail.com	2236634536
6	pass6	vikram	singh	vik_s@gmail.com	1158634536
7	pass7	ethan	payne	ethan@gmail.com	9505634536
8	pass8	jj	wyatt	jj_w@gmail.com	2501113656
9	pass9	carol	baskin	carolb@gmail.com	9998634536
10	pass10	jalen	turner	jt@gmail.com	8556634536

During Insert

Food App Home Users Restaurants

## Sign Up

User ID  
50 ✓ Email  
100@gmail.com ✓

First Name  
Steven ✓ Password  
..... ✓

Last Name  
Parker ✓ Phone Number  
6048008000 ✓

Address  
2333 Kingsway St Select account type  
Customer ✓

Sign Up

User ID  
51 Email  
51@gmail.com

First Name  
Fifty Password  
.....

Last Name  
One Phone Number  
6045110000

Address  
2333 Kingsway St Select account type  
Driver

Sign Up

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### After Insert

Users

USERID	PASSWORD	FIRSTNAME	LASTNAME	EMAIL	PHONENUMBER
1	pass1	bob	marley	bob_m@gmail.com	2508634536
2	pass2	harry	lewis	harry_l@gmail.com	2505634536
3	pass3	josh	bradley	josh_b@gmail.com	2508623656
4	pass4	tobi	brown	tobi@gmail.com	1508634536
5	pass5	simon	minter	simon@gmail.com	2236634536
6	pass6	vikram	singh	vik_s@gmail.com	1158634536
7	pass7	ethan	payne	ethan@gmail.com	9505634536
8	pass8	jj	wyatt	jj_w@gmail.com	2501113656
9	pass9	carol	baskin	carolb@gmail.com	9998634536
10	pass10	jalen	turner	jt@gmail.com	8556634536
50	pass100	Steven	Parker	100@gmail.com	6048008000
50	pass100	Steven	Parker	100@gmail.com	6048008000

Users

USERID	PASSWORD	FIRSTNAME	LASTNAME	EMAIL	PHONENUMBER
1	pass1	bob	marley	bob_m@gmail.com	2508634536
2	pass2	harry	lewis	harry_l@gmail.com	2505634536
3	pass3	josh	bradley	josh_b@gmail.com	2508623656
4	pass4	tobi	brown	tobi@gmail.com	1508634536
5	pass5	simon	minter	simon@gmail.com	2236634536
6	pass6	vikram	singh	vik_s@gmail.com	1158634536
7	pass7	ethan	payne	ethan@gmail.com	9505634536
8	pass8	jj	wyatt	jj_w@gmail.com	2501113656
9	pass9	carol	baskin	carolb@gmail.com	9998634536
10	pass10	jalen	turner	jt@gmail.com	8556634536
50	pass100	Steven	Parker	100@gmail.com	6048008000
51	pass51	Fifty	One	51@gmail.com	6045110000

### DELETE QUERY

#### Before & After

Table Before Update

ITEMID	RESTAURANTID	ITEMNAME	DESCRIPTION	PRICE	QUANTITY
1	1	Zinger Burger	its finger lickin food	10	10
2	1	Zinger Twister	its finger lickin food	8.99	1
1	2	Philly Steak	Philly Steak	14.99	1
2	2	Pepperoni	tastylicious	12.99	1
1	3	Triple Crown	yummy pizza!!!	20.99	1

Table After DELETE

ITEMID	RESTAURANTID	ITEMNAME	DESCRIPTION	PRICE	QUANTITY
1	1	Zinger Burger	its finger lickin food	10	10
2	1	Zinger Twister	its finger lickin food	8.99	1
1	2	Philly Steak	Philly Steak	14.99	1
2	2	Pepperoni	tastylicious	12.99	1

Success!

You have deleted an item!

X

## **UPDATE QUERY**

### **Inputs**

# Update Menu Item

You must enter the correct item number and restaurant ID to update the item.

Old Item ID	New Item ID
<input type="text" value="2"/>	<input type="text"/>
Old Restaurant ID	New Restaurant ID
<input type="text" value="2"/>	<input type="text"/>
Item Name	Price
<input type="text"/>	<input type="text" value="22.99"/>
Description	Quantity
<input type="text"/>	<input type="text"/>
<input type="button" value="Update Menu"/>	

### **Before & After**

## Table Before Update

ITEMID	RESTAURANTID	ITEMNAME	DESCRIPTION	PRICE	QUANTITY
1	1	Zinger Burger	its finger lickin food	10	10
2	1	Zinger Twister	its finger lickin food	8.99	1
1	2	Philly Steak	Philly Steak	14.99	1
2	2	Pepperoni	tastylicious	12.99	1

## Table After Update

ITEMID	RESTAURANTID	ITEMNAME	DESCRIPTION	PRICE	QUANTITY
1	1	Zinger Burger	its finger lickin food	10	10
2	1	Zinger Twister	its finger lickin food	8.99	1
1	2	Philly Steak	Philly Steak	14.99	1
2	2	Pepperoni	tastylicious	22.99	1

**Success!**

You have updated an item!

×

**SELECTION QUERY**

**Before**

# Search Restaurant

Choose one or more of the following items to search by

Restaurant Location

1150 Dunbar St.

Restaurant Phone Number

(empty)

Restaurant Name

Dominoes

Restaurant Rating

(empty)

Restaurant Manager

(empty)

Restaurant ID

**Search**

**After**

# Restaurants Found

NAME	LOCATION
Dominoes	1150 Dunbar St.

**PROJECTION**

**Before**

# Customer Service Details

USERID	NUMORDERS	ADDRESS
1	32	5621 Dunbar St
2	4	1131 Dunbar St
3	6	1364 W 11th Ave
4	11	1033 Second St
5	32	5621 Dunbar St

## Users Service Details

USERID	PASSWORD	FIRSTNAME	LASTNAME	EMAIL	PHONENUMBER
1	pass1	bob	marley	bob_m@gmail.com	2508634536
2	pass2	harry	lewis	harry_l@gmail.com	2505634536
3	pass3	josh	bradley	josh_b@gmail.com	2508623656
4	pass4	tobi	brown	tobi@gmail.com	1508634536
5	pass5	simon	minter	simon@gmail.com	2236634536
6	pass6	vikram	singh	vik_s@gmail.com	1158634536
7	pass7	ethan	payne	ethan@gmail.com	9505634536
8	pass8	jj	wyatt	j_w@gmail.com	2501113656
9	pass9	carol	baskin	carolb@gmail.com	9998634536
10	pass10	jalen	turner	jt@gmail.com	8556634536

## Driver Service Details

USERID	NUMDELIVERIES
6	5
7	15
8	55
9	54
10	4

## TrackingTable\_1 Service Details

STATUS	ENDTIME
COMPLETED	01-FEB-23 12.15.00.000000 PM
COMPLETED	02-FEB-23 04.00.00.000000 PM
COMPLETED	03-FEB-23 09.00.00.000000 AM
COMPLETED	04-FEB-23 06.00.00.000000 PM
COMPLETED	05-FEB-23 11.45.00.000000 AM
PROCESSING	01-JAN-99 12.00.00.000000 AM

## TrackingTable\_2 Service Details

STARTTIME	ENDTIME	DURATION
01-FEB-23 12.00.00.000000 PM	01-FEB-23 12.15.00.000000 PM	+0 00:15:00
02-FEB-23 03.30.00.000000 PM	02-FEB-23 04.00.00.000000 PM	+0 00:30:00
03-FEB-23 08.45.00.000000 AM	03-FEB-23 09.00.00.000000 AM	+0 00:15:00
04-FEB-23 05.00.00.000000 PM	04-FEB-23 06.00.00.000000 PM	+0 01:00:00
05-FEB-23 11.20.00.000000 AM	05-FEB-23 11.45.00.000000 AM	+0 00:25:00
05-APR-23 10.20.21.401011 PM	01-JAN-99 12.00.00.000000 AM	

## TrackingTable\_3 Service Details

TRACKINGID	ENDTIME	STARTTIME
1	01-FEB-23 12.15.00.000000 PM	01-FEB-23 12.00.00.000000 PM
2	02-FEB-23 04.00.00.000000 PM	02-FEB-23 03.30.00.000000 PM
3	03-FEB-23 09.00.00.000000 AM	03-FEB-23 08.45.00.000000 AM
4	04-FEB-23 06.00.00.000000 PM	04-FEB-23 05.00.00.000000 PM
5	05-FEB-23 11.45.00.000000 AM	05-FEB-23 11.20.00.000000 AM

## OrderTable\_1 Service Details

DELIVERYFEE	ORDERTYPE
5.99	Platinum
4.99	Gold
3.99	Silver
2.99	Bronze
1.99	Standard

## OrderTable\_2 Service Details

ORDERTYPE	SUBTOTAL	TOTALAMOUNT
Platinum	100	105.99
Gold	100	104.99
Silver	90	93.99
Bronze	56	58.99
Standard	100	101.99

## OrderTable\_3 Service Details

ORDERID	CUSTOMER_USERID	DRIVER_USERID	TRACKINGID	ORDERTYPE	SUBTOTAL
1	1	6	1	Standard	100
2	2	7	2	Gold	100
3	3	8	3	Platinum	100
4	4	9	4	Gold	100
5	5	10	5	Platinum	100

## Complain\_Regarding Service Details

COMPLAINID	DETAILS	ORDERID	USERID
1	Driver was rude.	1	1
2	Driver left food outside of my house without calling.	2	2
3	Customer was very angry and stared shouting like crazy.	3	8
4	Customer was rude.	4	9
5	Driver was shouting.	5	5

## RestaurantTable\_1 Service Details

NAME	LOGO
KFC	
Dominos	
Pizza Hut	
Cactus Club	
Social	

## RestaurantTable\_2 Service Details

LOCATION	NAME	OVERALLRATING
1050 Burard St.	KFC	4.2
1150 Dunbar St.	Dominos	4
2250 Burard St.	Pizza Hut	3.2
3456 West 11th Ave.	Cactus Club	4.4
5621 Dunbar St.	Social	5

## RestaurantTable\_3 Service Details

LOCATION	PHONENUM
1050 Burard St.	2504566532
1150 Dunbar St.	2504566531
2250 Burard St.	2504566533
3456 West 11th Ave.	2504566534
5621 Dunbar St.	2504566535

## RestaurantTable\_4 Service Details

RESTAURANTID	MANAGER	PHONENUM
1	Kush Arora	2504566532
2	Jason Tatum	2504566531
3	Dwight Howard	2504566533
4	Phil Foden	2504566534
5	Leo Messi	2504566535

## Menu\_Item Service Details

ITEMID	RESTAURANTID	ITEMNAME	DESCRIPTION	PRICE	QUANTITY
1	1	Zinger Burger	its finger lickin food	10	10
2	1	Zinger Twister	its finger lickin food	8.99	1
1	2	Philly Steak	Philly Steak	14.99	1
2	2	Pepperoni	tastylicious	12.99	1
1	3	Triple Crown	yummy pizza!!!	20.99	1

## Feedback\_Gives Service Details

FEEDBACKID	RATING	REVIEW	USERID	RESTAURANTID
1	3	It was amazing	1	1
2	4	It was tasty	2	1
3	5	phenomenal	3	2
4	4	wowww It was amazing	4	3
5	3	It was not that tasty	5	5
6	3	It was amazing	1	2
7	3	It was amazing	1	3
8	3	It was amazing	1	4
9	3	It was amazing	1	5
10	3	It was not that tasty	3	1
11	3	It was amazing	3	2
12	3	It was amazing	3	3
13	3	It was amazing	3	4
14	3	It was amazing	3	5

## Contains Service Details

ORDERID	ITEMID	RESTAURANTID
1	1	1
2	1	1
3	1	1
4	1	1
5	1	1

## PaymentTable\_1 Service Details

AMOUNT	TAX
101.99	5.0995
10	5
50	2.5
74	3.7
83	4.15

## PaymentTable\_2 Service Details

PAYMENTID	AMOUNT	PAYMENTDATE	USERID	RESTAURANTID
1	101.99	01-FEB-23 12.00.00.000000 PM	1	1
2	101.99	02-FEB-23 03.30.00.000000 PM	2	1
3	101.99	03-FEB-23 08.45.00.000000 AM	3	2
4	101.99	04-FEB-23 05.00.00.000000 PM	4	3
5	101.99	05-FEB-23 11.20.00.000000 AM	5	5

During

**Multiple attributes : USER TABLE EXAMPLE**

## Explore Our Services

First select the service and then select one or more pieces of information regarding that service.

---

Service

Users



Information

userID  
password  
firstName  
lastName  
email

Submit

### **Single attribute : MENU TABLE**

## **Explore Our Services**

First select the service and then select one or more pieces of information regarding that service.

Service

Menu\_Item

Information

Please select option first

itemID  
restaurantID  
itemName

Submit

### **After**

### **Multiple attributes : USER TABLE EXAMPLE**

## **Users Service Details**

USERID	FIRSTNAME	EMAIL
1	bob	bob_m@gmail.com
2	harry	harry_l@gmail.com
3	josh	josh_b@gmail.com
4	tobi	tobi@gmail.com
5	simon	simon@gmail.com
6	vikram	vik_s@gmail.com
7	ethan	ethan@gmail.com
8	jj	j_w@gmail.com
9	carol	carolb@gmail.com
10	jalen	jt@gmail.com

### **Single attribute :**

## **Menu\_Item Service Details**

ITEMID
1
1
1
2
2

**JOIN QUERY**

**Before**

# Search Menu Items

Item Name

Zinger

Search

**After**

## Restaurants found with Zinger

ITEM	RESTAURANT
Zinger Twister	KFC
Zinger Burger	KFC

**Aggregation with GROUP BY QUERY**

**During (only need to press the following on Restaurants page)**

Show Total Items Per Restaurant

**After**

## Number of Items

NAME	COUNT
KFC	2
Domino's	2
Pizza Hut	1

**Aggregation with HAVING QUERY**

**During (only need to press the following on Restaurants page)**

# Big Spenders

Enter Order Total



**After**

Customers with total of 100 dollars or above

FIRSTNAME	COUNT
bob	1
harry	1
josh	1
tobi	1
simon	1

### Nested Aggregation with GROUP BY QUERY

During (only need to press the following on Users page)

**After**

## Biggest Foodies Supporters

USERID	AVG
1	32
4	11
5	32
3	6

### DIVISION QUERY

During (only need to press the following on Users page)

Show Biggest Critics

After

## Biggest Critics

USERID	FIRSTNAME	LASTNAME	EMAIL	PHONENUMBER
1	bob	marley	bob_m@gmail.com	2508634536
3	josh	bradley	josh_b@gmail.com	2508623656