**Online Food Delivery System**

**Problem Statement:**

Online food ordering and delivery is the most trending business in the food industry currently owing to the busy life of people and their willingness to trade off a little bit extra cash for the ease of food and the variety served at their doorsteps.

This is a database primarily containing details about 3 users: the customers who want to order food online, the restaurants who want to sell their items online with displaying their menu, items and prices and the database administration team who wants to generate revenue by providing customer-restaurant interaction platform.

The database is a relational database consisting of the following users:

Restaurant manager

Customer

System admin

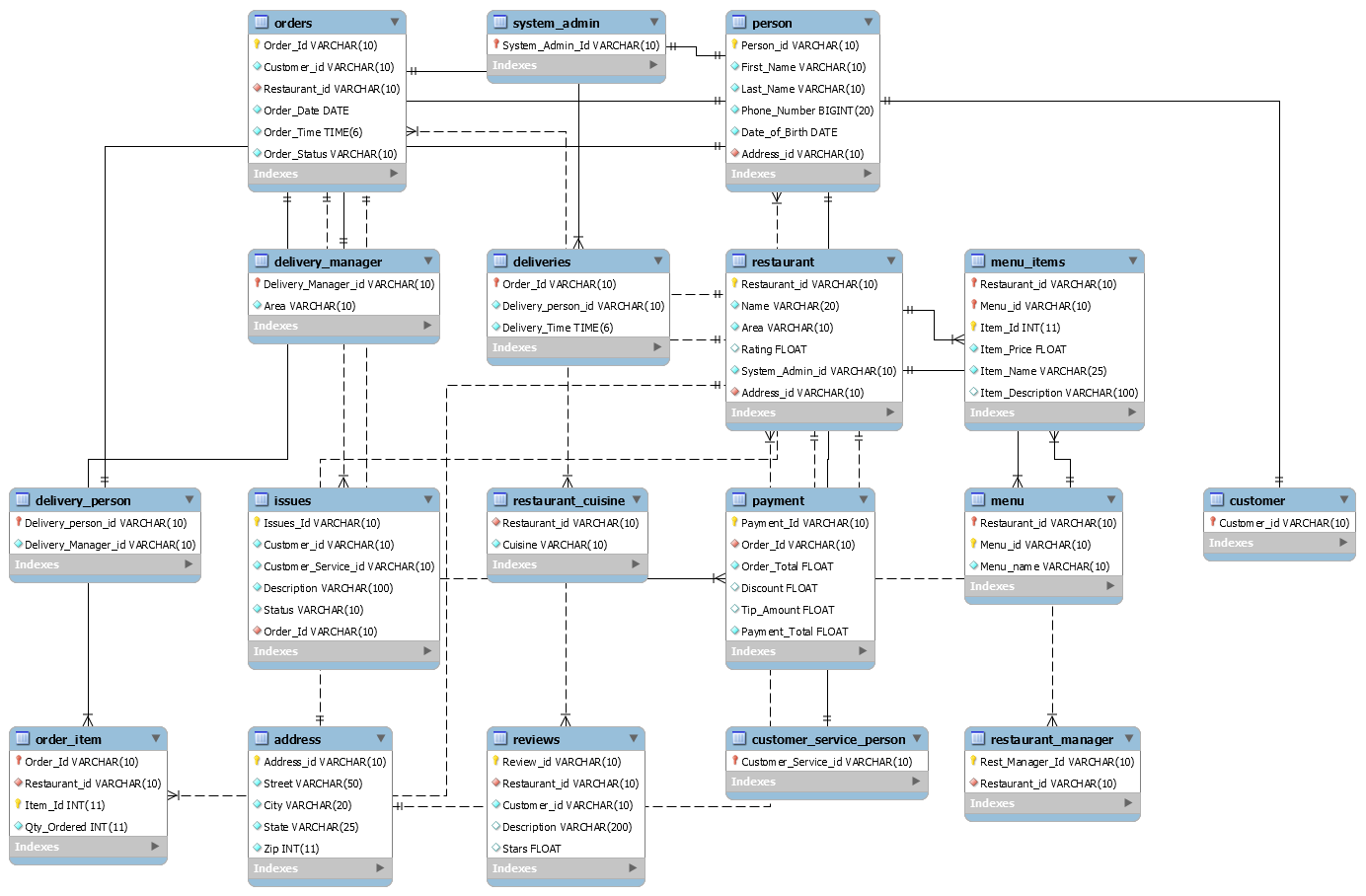
Customer Support Representative

Delivery Manager

Delivery Person

Here, the customers are eligible to order their food from the variety of restaurants and their cuisines present. The restaurants get a window to slide in some extra money by expanding their business online and getting more customer market. This generates extra employment too in terms of delivery unit comprising of area wise delivery manager and delivery people under him. Here, system administrators are the authorized people to add or remove restaurants from database. Moreover, Customer support ensures the smooth functioning of the overall system by providing support for technical as well as service issues.

**Normalized ER Diagram:**

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**Triggers:**

Trigger to update the ratings in the restaurant table which updates the rating of the particular restaurant on any reviews received from the customer:

delimiter //

Create Trigger updateRatings

After Insert on Reviews

For Each Row

Begin

declare rate float;

declare newRate float;

if new.Stars != null then

set rate= (select rating from restaurant where restaurant.Restaurant\_id=new.Restaurant\_id);

set newRate= (rate + new.Stars)/2;

update Restaurant set Rating= newRate where Restaurant.Restaurant\_id=new.Restaurant\_id;

end if;

End;//

**Stored Procedures:**

This stored procedure is used calculate the revenue of the particular restaurant:

DELIMITER //

CREATE PROCEDURE CalculateRevenue(Restaurant\_Name VARCHAR(20))

BEGIN

select r.Name, sum(p.Payment\_Total) as 'Total Revenue'

from Restaurant r, Payment p , Orders o

where exists( Select oi.Restaurant\_id, oi.Order\_Id from order\_item oi where oi.Order\_Id in (select p.Order\_Id from Payment p))

and p.Order\_Id= o.Order\_Id and o.Restaurant\_id = r.Restaurant\_id and r.Name=Restaurant\_Name

group by o.Restaurant\_id, r.Name;

END //

**Some Queries:**

1. Items in the specific order:

SELECT orders.order\_id,count(orders.Order\_Id) as 'number of items'

FROM Orders

INNER JOIN Order\_Item

ON Orders.Order\_Id=Order\_Item.Order\_Id

group by orders.Order\_Id;

1. Menu of a restaurant:

select r.Name , m.Menu\_id , mi.Item\_Id , mi.Item\_Name, mi.Item\_Description , mi.Item\_Price

from Menu m , Restaurant r , Menu\_Items mi

where m.Restaurant\_id = r.Restaurant\_id and m.Menu\_id = mi.Menu\_id and mi.Restaurant\_id = r.Restaurant\_id and r.name ='Taco Bell';

1. Number of orders places in the restaurants:

select r.Name ,count(order\_id) as 'Number of Orders PLaced'

from Orders o , Restaurant r

where o.Restaurant\_id= r.Restaurant\_id

group by r.Name;

1. Restaurants with a specific cusisne:

select r.Name , r.Area

from Restaurant r , Restaurant\_Cuisine rc

where rc.Cuisine = 'Thai' and r.Restaurant\_id = rc.Restaurant\_id;

1. Number of Orders of customers:

select r.Name, c.Customer\_id ,count(o.Order\_Id) as 'Number of orders placed'

from Customer c , Orders o , Restaurant r

where c.Customer\_id =o.Customer\_Id and o.Restaurant\_id = r.Restaurant\_id

group by c.Customer\_id;

1. Highest rating for a particular restaurant

Select r.Name , rc.Cuisine, r.Rating

from Restaurant r, Restaurant\_Cuisine rc

where r.Restaurant\_id = rc.Restaurant\_id and rc.Cuisine='Italian'

and r.Rating>=All(Select R1.Rating from Restaurant R1,Restaurant\_Cuisine RC1 where R1.Restaurant\_id = RC1.Restaurant\_id and RC1.Cuisine='Italian');

**Appendix:**

-- MySQL dump 10.13 Distrib 5.7.12, for Win64 (x86\_64)

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-- Host: localhost Database: onlinefooddeliverysystem

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-- Server version 5.7.16-log

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40101 SET NAMES utf8 \*/;

/\*!40103 SET @OLD\_TIME\_ZONE=@@TIME\_ZONE \*/;

/\*!40103 SET TIME\_ZONE='+00:00' \*/;

/\*!40014 SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0 \*/;

/\*!40014 SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0 \*/;

/\*!40101 SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='NO\_AUTO\_VALUE\_ON\_ZERO' \*/;

/\*!40111 SET @OLD\_SQL\_NOTES=@@SQL\_NOTES, SQL\_NOTES=0 \*/;

--

-- Table structure for table `address`

--

DROP TABLE IF EXISTS `address`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `address` (

`Address\_id` varchar(10) NOT NULL,

`Street` varchar(50) NOT NULL,

`City` varchar(20) NOT NULL,

`State` varchar(25) NOT NULL,

`Zip` int(11) NOT NULL,

PRIMARY KEY (`Address\_id`),

UNIQUE KEY `Address\_id\_UNIQUE` (`Address\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `address`

--

LOCK TABLES `address` WRITE;

/\*!40000 ALTER TABLE `address` DISABLE KEYS \*/;

INSERT INTO `address` VALUES ('A1','75 St alphonsus street','Boston','Massachusettes',2120),('A10','54 Hudson lane','Boston','Massachusettes',95335),('A11','31 Alum rock','Boston','Massachusettes',95035),('A12','92 King','Wrandham','Massachusettes',95050),('A13','11 Ciloy lane','Mein','Massachusettes',95005),('A14','41 Stevan crook street','Newton','Massachusettes',95235),('A15','12 Pantro lane','Boston','Massachusettes',95001),('A16','7 Troll pkwy','Waldham','Massachusettes',95230),('A17','638 Bandra street','Boston','Massachusettes',95135),('A18','332 Landry avanue','Somorville','Massachusettes',95205),('A19','72 Abion','Boston','Massachusettes',95050),('A2','46 Deamon street','Boston','Massachusettes',2125),('A20','85 Seynour pkwy','Boston','Massachusettes',95234),('A21','92 Hoadly lane','Newton','Massachusettes',95300),('A22','44 Haven street','Rhode Island','Massachusettes',95015),('A23','77 Balfe lane','Boston','Massachusettes',95025),('A24','83 Milson road','Wrandham','Massachusettes',95230),('A25','94 Woolwich church street','Boston','Massachusettes',95110),('A26','431 El camino real','Fitchburg','Massachusettes',95050),('A27','750 Miller street','Boston','Massachusettes',95014),('A28','236 Bellomy street','Somorville','Massachusettes',95110),('A29','129 Newhall street','Boston','Massachusettes',95004),('A3','17 Trimble lane','Waldham','Massachusettes',54231),('A30','25 North market church street','Newton','Massachusettes',95110),('A31','2949 Alum rock avenue','Boston','Massachusettes',95127),('A32','98 Martha street','Waldham','Massachusettes',95128),('A33','710 Leigh avenue','Rhode Island','Massachusettes',95200),('A34','25 North market church street','Waldham','Massachusettes',95110),('A35','1386 Cherry avenue','Wrandham','Massachusettes',95125),('A36','25 North market church street','Boston','Massachusettes',95110),('A37','800 Emory street','Newton','Massachusettes',95126),('A38','28 North market street','Boston','Massachusettes',95110),('A39','150 Cambridge Street','Cambridge','Massachusettes',95112),('A4','86 Domocili lane','Freemont','Massachusettes',54789),('A5','9 Paceway pkwy','Ryndham','Massachusettes',78935),('A6','22 Gilroy pkwy','Boston','Massachusettes',95080),('A7','9 Paceway pkwy','Wenton','Massachusettes',95005),('A8','2 Fill lane','Fithcburg','Massachusettes',95235),('A9','4 Rayban street','Somorville','Massachusettes',95035);

/\*!40000 ALTER TABLE `address` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `customer`

--

DROP TABLE IF EXISTS `customer`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `customer` (

`Customer\_id` varchar(10) NOT NULL,

PRIMARY KEY (`Customer\_id`),

UNIQUE KEY `Customer\_id\_UNIQUE` (`Customer\_id`),

KEY `fk\_Customer\_Person1\_idx` (`Customer\_id`),

CONSTRAINT `fk\_Customer\_Person1` FOREIGN KEY (`Customer\_id`) REFERENCES `person` (`Person\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `customer`

--

LOCK TABLES `customer` WRITE;

/\*!40000 ALTER TABLE `customer` DISABLE KEYS \*/;

INSERT INTO `customer` VALUES ('C001'),('C002'),('C003'),('C004'),('C005'),('C006'),('C007'),('C008'),('C009'),('C010');

/\*!40000 ALTER TABLE `customer` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `customer\_service\_person`

--

DROP TABLE IF EXISTS `customer\_service\_person`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `customer\_service\_person` (

`Customer\_Service\_id` varchar(10) NOT NULL,

PRIMARY KEY (`Customer\_Service\_id`),

KEY `fk\_Customer\_Service\_Person\_Person1\_idx` (`Customer\_Service\_id`),

CONSTRAINT `fk\_Customer\_Service\_Person\_Person1` FOREIGN KEY (`Customer\_Service\_id`) REFERENCES `person` (`Person\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `customer\_service\_person`

--

LOCK TABLES `customer\_service\_person` WRITE;

/\*!40000 ALTER TABLE `customer\_service\_person` DISABLE KEYS \*/;

INSERT INTO `customer\_service\_person` VALUES ('CSP001'),('CSP002');

/\*!40000 ALTER TABLE `customer\_service\_person` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `deliveries`

--

DROP TABLE IF EXISTS `deliveries`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `deliveries` (

`Order\_Id` varchar(10) NOT NULL,

`Delivery\_person\_id` varchar(10) NOT NULL,

`Delivery\_Time` time(6) NOT NULL,

PRIMARY KEY (`Order\_Id`),

UNIQUE KEY `Orders\_Order\_Id\_UNIQUE` (`Order\_Id`),

KEY `fk\_Deliveries\_Orders1\_idx` (`Order\_Id`),

CONSTRAINT `fk\_Deliveries\_Orders` FOREIGN KEY (`Order\_Id`) REFERENCES `orders` (`Order\_Id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `deliveries`

--

LOCK TABLES `deliveries` WRITE;

/\*!40000 ALTER TABLE `deliveries` DISABLE KEYS \*/;

INSERT INTO `deliveries` VALUES ('001','DP001','04:14:07.000000'),('002','DP001','03:59:07.000000'),('003','DP002','04:15:00.000000'),('005','DP001','07:11:07.000000'),('006','DP002','05:14:00.000000'),('007','DP001','04:14:07.000000'),('010','DP003','04:12:07.000000'),('011','DP002','06:14:07.000000');

/\*!40000 ALTER TABLE `deliveries` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `delivery\_manager`

--

DROP TABLE IF EXISTS `delivery\_manager`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `delivery\_manager` (

`Delivery\_Manager\_id` varchar(10) NOT NULL,

`Area` varchar(10) NOT NULL,

PRIMARY KEY (`Delivery\_Manager\_id`),

UNIQUE KEY `Delivery\_Manager\_id\_UNIQUE` (`Delivery\_Manager\_id`),

KEY `fk\_Delivery\_Manager\_Person1\_idx` (`Delivery\_Manager\_id`),

CONSTRAINT `fk\_Delivery\_Manager\_Person1` FOREIGN KEY (`Delivery\_Manager\_id`) REFERENCES `person` (`Person\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `delivery\_manager`

--

LOCK TABLES `delivery\_manager` WRITE;

/\*!40000 ALTER TABLE `delivery\_manager` DISABLE KEYS \*/;

INSERT INTO `delivery\_manager` VALUES ('DM001','Boston'),('DM002','Waldham'),('DM003','Wardham'),('DM004','Newton'),('DM005','Boston'),('DM006','Ryndhum'),('DM007','Waldham');

/\*!40000 ALTER TABLE `delivery\_manager` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `delivery\_person`

--

DROP TABLE IF EXISTS `delivery\_person`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `delivery\_person` (

`Delivery\_person\_id` varchar(10) NOT NULL,

`Delivery\_Manager\_id` varchar(10) NOT NULL,

PRIMARY KEY (`Delivery\_person\_id`),

KEY `fk\_Delivery\_Person\_Person1\_idx` (`Delivery\_person\_id`),

CONSTRAINT `fk\_Delivery\_Person\_Person1` FOREIGN KEY (`Delivery\_person\_id`) REFERENCES `person` (`Person\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `delivery\_person`

--

LOCK TABLES `delivery\_person` WRITE;

/\*!40000 ALTER TABLE `delivery\_person` DISABLE KEYS \*/;

INSERT INTO `delivery\_person` VALUES ('DP001','DM003'),('DP002','DM002'),('DP003','DM004');

/\*!40000 ALTER TABLE `delivery\_person` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `issues`

--

DROP TABLE IF EXISTS `issues`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `issues` (

`Issues\_Id` varchar(10) NOT NULL,

`Customer\_id` varchar(10) NOT NULL,

`Customer\_Service\_id` varchar(10) NOT NULL,

`Description` varchar(100) NOT NULL,

`Status` varchar(10) NOT NULL,

`Order\_Id` varchar(10) NOT NULL,

PRIMARY KEY (`Issues\_Id`),

UNIQUE KEY `Issues\_Id\_UNIQUE` (`Issues\_Id`),

KEY `fk\_Issues\_Orders1\_idx` (`Order\_Id`),

CONSTRAINT `fk\_Issues\_Orders1` FOREIGN KEY (`Order\_Id`) REFERENCES `orders` (`Order\_Id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `issues`

--

LOCK TABLES `issues` WRITE;

/\*!40000 ALTER TABLE `issues` DISABLE KEYS \*/;

INSERT INTO `issues` VALUES ('I1','C001','CS001','THE PAYMENT AMOUNT WAS NOT SHOWING THE DISCOUNTED PRICE','PENDING','001'),('I2','C002','CS001','I WAS NOT ABLE TO ADD MORE THAN 2 BURGERS FOR MCDONALDS','RESOLVED','002'),('I3','C004','CS002','THE DELIVERY WAS 40 MINUTES LATE THAN EXPECTED','PENDING','003'),('I4','C006','CS001','MY ORDER PLACED COULD NOT BE CANCELLED.','RESOLVED','006');

/\*!40000 ALTER TABLE `issues` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `menu`

--

DROP TABLE IF EXISTS `menu`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `menu` (

`Restaurant\_id` varchar(10) NOT NULL,

`Menu\_id` varchar(10) NOT NULL,

`Menu\_name` varchar(10) NOT NULL,

PRIMARY KEY (`Menu\_id`,`Restaurant\_id`),

KEY `fk\_Menu\_Restaurant1\_idx` (`Restaurant\_id`),

CONSTRAINT `fk\_Menu\_Restaurant1` FOREIGN KEY (`Restaurant\_id`) REFERENCES `restaurant` (`Restaurant\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `menu`

--

LOCK TABLES `menu` WRITE;

/\*!40000 ALTER TABLE `menu` DISABLE KEYS \*/;

INSERT INTO `menu` VALUES ('R001','001','Lunch'),('R002','001','Mocktails'),('R003','001','Dinner'),('R004','001','Lunch'),('R005','001','Lunch'),('R006','001','Breakfast'),('R007','001','Sides'),('R010','001','Dinner'),('R011','001','Dinner'),('R012','001','Lunch'),('R002','002','Lunch'),('R004','002','Drinks'),('R007','002','Lunch');

/\*!40000 ALTER TABLE `menu` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `menu\_items`

--

DROP TABLE IF EXISTS `menu\_items`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `menu\_items` (

`Restaurant\_id` varchar(10) NOT NULL,

`Menu\_id` varchar(10) NOT NULL,

`Item\_Id` int(11) NOT NULL,

`Item\_Price` float NOT NULL,

`Item\_Name` varchar(25) NOT NULL,

`Item\_Description` varchar(100) DEFAULT NULL,

PRIMARY KEY (`Restaurant\_id`,`Menu\_id`,`Item\_Id`),

KEY `fk\_Menu\_Items\_Menu1\_idx` (`Menu\_id`),

KEY `fk\_Menu\_Items\_Restaurant1\_idx` (`Restaurant\_id`),

CONSTRAINT `fk\_Menu\_Items\_Menu\_Id` FOREIGN KEY (`Menu\_id`) REFERENCES `menu` (`Menu\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `fk\_Menu\_Items\_Restaurant1` FOREIGN KEY (`Restaurant\_id`) REFERENCES `restaurant` (`Restaurant\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `menu\_items`

--

LOCK TABLES `menu\_items` WRITE;

/\*!40000 ALTER TABLE `menu\_items` DISABLE KEYS \*/;

INSERT INTO `menu\_items` VALUES ('R001','001',1,10,'Red Curry','Red Curry With Tofu And Vegetables'),('R001','001',2,15,'Green Curry','Green Curry With Chicken And Vegetables '),('R002','001',1,25,'Bloody Mary',NULL),('R002','001',3,11,'LIT','Perfect Blend Of Happiness'),('R002','002',2,9,'Noodles','Sichuan Style Hakka Noodles'),('R003','001',1,25,'Pineapple Fried Rice','Rice With Tofu And Vegetables'),('R004','001',1,10,'Margarita Pizza','Cheese Pizza'),('R004','002',2,15,'Sex On The Beach','Litchee Based Vodka Drink'),('R005','001',1,25,'Red Curry','Red Curry With Tofu And Vegetables'),('R005','001',2,10,'Cheese Noodles','Noodles With Rice And Vegetables'),('R005','001',3,10,'Hunan Paneer','Spicy Paneer'),('R006','001',1,5,'Bean Burito','Burito With Beans And Sour Cream'),('R006','001',2,15,'Mexican Fiesta','Taco, Buritos And Nachos On A Plate'),('R007','001',1,10,'Paneer Tikka Masala','Spicy Paneer In Red Velevty Buttery Gravy'),('R007','001',4,15,'Masala Cheese Naan','Cheese Stuffed Naan With Minced Garlic And Spring Onions'),('R007','002',2,15,'Vegetable Dum Biryani','Aromatic Basmati Rice Slow Cooked With Vegetables '),('R007','002',3,25,'Punjabi Platter','Choice Of 2 Curry , 2 Roti, Dal Tadka, Jeera Rice And Pickle'),('R010','001',1,10,'Pasta','Pesto Pasta'),('R010','001',2,17,'Risotto Balls','Risotto Balls Served With Marinara Sauce'),('R011','001',1,35,'Korean Special','Korean Special BBQ, Serves 5'),('R012','001',1,20,'Paahd Thai Noodles','Flat Rice Noodles With Tofu And Vegetables'),('R012','001',2,10,'Chou Fun','Noodles With Tofu And Vegetables');

/\*!40000 ALTER TABLE `menu\_items` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `order\_item`

--

DROP TABLE IF EXISTS `order\_item`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `order\_item` (

`Order\_Id` varchar(10) NOT NULL,

`Restaurant\_id` varchar(10) NOT NULL,

`Item\_Id` int(11) NOT NULL,

`Qty\_Ordered` int(11) NOT NULL,

PRIMARY KEY (`Order\_Id`,`Item\_Id`),

KEY `fk\_Order\_Item\_Orders1\_idx` (`Order\_Id`),

KEY `fk\_Order\_Item\_Restaurant1\_idx` (`Restaurant\_id`),

KEY `fk\_Order\_Item\_Menu\_Items\_idx` (`Item\_Id`),

CONSTRAINT `fk\_Order\_Item\_Orders1` FOREIGN KEY (`Order\_Id`) REFERENCES `orders` (`Order\_Id`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `fk\_Order\_Item\_Restaurant1` FOREIGN KEY (`Restaurant\_id`) REFERENCES `restaurant` (`Restaurant\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `order\_item`

--

LOCK TABLES `order\_item` WRITE;

/\*!40000 ALTER TABLE `order\_item` DISABLE KEYS \*/;

INSERT INTO `order\_item` VALUES ('001','R001',1,1),('001','R001',2,2),('002','R002',1,1),('002','R002',2,1),('002','R002',3,2),('003','R004',1,1),('003','R004',2,2),('005','R012',1,1),('005','R012',2,1),('006','R011',1,2),('007','R010',1,1),('007','R010',2,1),('008','R007',1,2),('008','R007',2,2),('008','R007',3,2),('008','R007',4,2),('009','R001',1,3),('010','R006',1,4),('010','R006',2,2),('011','R005',1,3),('011','R005',2,5),('011','R005',3,1);

/\*!40000 ALTER TABLE `order\_item` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `orders`

--

DROP TABLE IF EXISTS `orders`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `orders` (

`Order\_Id` varchar(10) NOT NULL,

`Customer\_id` varchar(10) NOT NULL,

`Restaurant\_id` varchar(10) NOT NULL,

`Order\_Date` date NOT NULL,

`Order\_Time` time(6) NOT NULL,

`Order\_Status` varchar(10) NOT NULL,

PRIMARY KEY (`Order\_Id`),

UNIQUE KEY `Order\_Id\_UNIQUE` (`Order\_Id`),

KEY `fk\_Orders\_Restaurant1\_idx` (`Restaurant\_id`),

CONSTRAINT `fk\_Orders\_Restaurant1` FOREIGN KEY (`Restaurant\_id`) REFERENCES `restaurant` (`Restaurant\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `orders`

--

LOCK TABLES `orders` WRITE;

/\*!40000 ALTER TABLE `orders` DISABLE KEYS \*/;

INSERT INTO `orders` VALUES ('001','C001','R002','2016-11-04','03:14:07.000000','Delivered'),('002','C002','R001','2016-11-07','03:19:07.000000','Delivered'),('003','C004','R002','2016-11-07','03:44:07.000000','Delivered'),('005','C005','R004','2016-11-01','03:34:07.000000','Delivered'),('006','C006','R002','2016-11-04','03:04:07.000000','Delivered'),('007','C007','R008','2016-11-01','02:01:07.000000','Delivered'),('008','C003','R003','2016-11-21','02:14:07.000000','Pending'),('009','C010','R008','2016-11-21','11:14:07.000000','Pending'),('010','C009','R012','2016-11-13','02:14:00.000000','Delivered'),('011','C008','R011','2016-11-05','02:14:12.000000','Delivered');

/\*!40000 ALTER TABLE `orders` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `payment`

--

DROP TABLE IF EXISTS `payment`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `payment` (

`Payment\_Id` varchar(10) NOT NULL,

`Order\_Id` varchar(10) NOT NULL,

`Order\_Total` float NOT NULL,

`Discount` float DEFAULT NULL,

`Tip\_Amount` float DEFAULT NULL,

`Payment\_Total` float NOT NULL,

PRIMARY KEY (`Payment\_Id`),

UNIQUE KEY `Payment\_Id\_UNIQUE` (`Payment\_Id`),

KEY `fk\_Payment\_Orders1\_idx` (`Order\_Id`),

CONSTRAINT `fk\_Payment\_Orders1` FOREIGN KEY (`Order\_Id`) REFERENCES `orders` (`Order\_Id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `payment`

--

LOCK TABLES `payment` WRITE;

/\*!40000 ALTER TABLE `payment` DISABLE KEYS \*/;

INSERT INTO `payment` VALUES ('PY001','001',40,0,5,45),('PY002','002',56,6,10,60),('PY003','003',40,0,0,40),('PY005','005',30,0,10,40),('PY006','006',70,10,20,90),('PY007','007',27,0,13,50),('PY008','008',130,30,5,105),('PY009','009',30,0,5,35),('PY010','010',50,0,0,50),('PY011','011',135,20,0,115);

/\*!40000 ALTER TABLE `payment` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `person`

--

DROP TABLE IF EXISTS `person`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `person` (

`Person\_id` varchar(10) NOT NULL,

`First\_Name` varchar(10) NOT NULL,

`Last\_Name` varchar(10) NOT NULL,

`Phone\_Number` bigint(20) NOT NULL,

`Date\_of\_Birth` date NOT NULL,

`Address\_id` varchar(10) NOT NULL,

PRIMARY KEY (`Person\_id`),

UNIQUE KEY `Entity\_id\_UNIQUE` (`Person\_id`),

KEY `fk\_Person\_Address1\_idx` (`Address\_id`),

CONSTRAINT `fk\_Person\_Address1` FOREIGN KEY (`Address\_id`) REFERENCES `address` (`Address\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `person`

--

LOCK TABLES `person` WRITE;

/\*!40000 ALTER TABLE `person` DISABLE KEYS \*/;

INSERT INTO `person` VALUES ('C001','Ketul','Shukla',6177944256,'1994-10-25','A1'),('C002','Margi','Mehta',4087074884,'1994-01-03','A2'),('C003','Parshwa','Shah',6692566167,'1995-04-25','A3'),('C004','Akshar','Takle',9712915959,'1993-03-21','A4'),('C005','Karan','Diware',9825555154,'1990-04-04','A5'),('C006','Kavish','Shah',6096789543,'1990-04-24','A7'),('C007','Dhruv','Masturlal',669234897,'1990-03-03','A8'),('C008','Vinit','Shah',4158521818,'1995-08-29','A9'),('C009','Aayush','Mehta',9825555154,'1990-04-04','A10'),('C010','Kush','Shah',7328818558,'1986-02-06','A11'),('CSP001','Ritu','Sani',897675895,'1995-05-22','A18'),('CSP002','Alisha','Shah',9825904774,'1995-02-02','A19'),('DM001','Saloni','Palkhiwala',7899870023,'1995-12-26','A12'),('DM002','Pavni','Patel',9638361816,'1995-10-05','A13'),('DM003','Sulay','Lavsi',9979877721,'1994-03-26','A14'),('DM004','Sonal','Shah',6098674563,'1990-04-04','A23'),('DM005','Rutvij','Shah',6693504912,'1990-04-24','A24'),('DM006','Rujuta','Shah',663454912,'1990-06-26','A25'),('DM007','Harsh','Shah',6764504912,'1990-06-04','A26'),('DP001','Anmol','Patwa',9712446782,'1995-10-19','A15'),('DP002','Karan','Nawab',9687609077,'1995-07-07','A16'),('DP003','Dhruv','Masturlal',890890789,'1994-08-18','A17'),('RM001','Dhara','Vora',987987002,'1995-03-03','A20'),('RM002','Aakash','Mehta',6751234567,'1993-03-23','A21'),('SA001','Shailesh','Agrawal',9825015959,'1987-05-05','A22'),('SA002','Meghal','Gosalia',4156789870,'1986-10-10','A27');

/\*!40000 ALTER TABLE `person` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `restaurant`

--

DROP TABLE IF EXISTS `restaurant`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `restaurant` (

`Restaurant\_id` varchar(10) NOT NULL,

`Name` varchar(20) NOT NULL,

`Area` varchar(10) NOT NULL,

`Rating` float DEFAULT NULL,

`System\_Admin\_id` varchar(10) NOT NULL,

`Address\_id` varchar(10) NOT NULL,

PRIMARY KEY (`Restaurant\_id`),

UNIQUE KEY `Restaurant\_id\_UNIQUE` (`Restaurant\_id`),

KEY `fk\_Restaurant\_Address1\_idx` (`Address\_id`),

CONSTRAINT `fk\_Restaurant\_Address1` FOREIGN KEY (`Address\_id`) REFERENCES `address` (`Address\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `restaurant`

--

LOCK TABLES `restaurant` WRITE;

/\*!40000 ALTER TABLE `restaurant` DISABLE KEYS \*/;

INSERT INTO `restaurant` VALUES ('R001','Sukanta','Tremont',4.8,'SA002','A28'),('R002','Koongs','Somorville',2,'SA002','A29'),('R003','China Gate','Waldham',3.9,'SA001','A30'),('R004','Subway','Raythem',3.5,'SA001','A31'),('R005','Papaya Thai','Wrantham',4.2,'SA002','A32'),('R006','Taco Bell','Newton',4,'SA001','A33'),('R007','Ikes','Waldham',4.2,'SA002','A34'),('R008','Burger King','Roxbury',3.8,'SA002','A35'),('R009','BMC','Charles',2.4,'SA002','A36'),('R010','Mc Donalds','Huntington',1.9,'SA001','A37'),('R011','Deli','Boston',4.7,'SA002','A38'),('R012','Parilla','Tremont',4.2,'SA002','A39');

/\*!40000 ALTER TABLE `restaurant` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `restaurant\_cuisine`

--

DROP TABLE IF EXISTS `restaurant\_cuisine`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `restaurant\_cuisine` (

`Restaurant\_id` varchar(10) NOT NULL,

`Cuisine` varchar(10) NOT NULL,

KEY `fk\_Restaurant\_Cuisine\_Restaurant1\_idx` (`Restaurant\_id`),

CONSTRAINT `fk\_Restaurant\_Cuisine\_Restaurant1` FOREIGN KEY (`Restaurant\_id`) REFERENCES `restaurant` (`Restaurant\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `restaurant\_cuisine`

--

LOCK TABLES `restaurant\_cuisine` WRITE;

/\*!40000 ALTER TABLE `restaurant\_cuisine` DISABLE KEYS \*/;

INSERT INTO `restaurant\_cuisine` VALUES ('R001','THAI'),('R002','INDIAN'),('R003','THAI'),('R004','ITALIAN'),('R005','MOROCCON'),('R006','MEXICAN'),('R007','INDIAN'),('R008','MALAYSIAN'),('R009','LEBANESE'),('R010','ITALIAN'),('R011','KOREAN'),('R012','CHINESE'),('R002','EGYPTIAN'),('R004','THAI');

/\*!40000 ALTER TABLE `restaurant\_cuisine` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `restaurant\_manager`

--

DROP TABLE IF EXISTS `restaurant\_manager`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `restaurant\_manager` (

`Rest\_Manager\_Id` varchar(10) NOT NULL,

`Restaurant\_id` varchar(10) NOT NULL,

PRIMARY KEY (`Rest\_Manager\_Id`),

UNIQUE KEY `Rest\_Manager\_Id\_UNIQUE` (`Rest\_Manager\_Id`),

KEY `fk\_Restaurant\_Manager\_Restaurant1\_idx` (`Restaurant\_id`),

CONSTRAINT `fk\_Restaurant\_Manager\_Restaurant1` FOREIGN KEY (`Restaurant\_id`) REFERENCES `restaurant` (`Restaurant\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `restaurant\_manager`

--

LOCK TABLES `restaurant\_manager` WRITE;

/\*!40000 ALTER TABLE `restaurant\_manager` DISABLE KEYS \*/;

INSERT INTO `restaurant\_manager` VALUES ('RM001','R001'),('RM004','R001'),('RM003','R004'),('RM002','R005'),('RM006','R007'),('RM007','R008'),('RM005','R012');

/\*!40000 ALTER TABLE `restaurant\_manager` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Table structure for table `reviews`

--

DROP TABLE IF EXISTS `reviews`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `reviews` (

`Review\_id` varchar(10) NOT NULL,

`Restaurant\_id` varchar(10) NOT NULL,

`Customer\_id` varchar(10) NOT NULL,

`Description` varchar(200) DEFAULT NULL,

`Stars` float DEFAULT NULL,

PRIMARY KEY (`Review\_id`),

UNIQUE KEY `Review\_id\_UNIQUE` (`Review\_id`),

KEY `fk\_Reviews\_Restaurant1\_idx` (`Restaurant\_id`),

CONSTRAINT `fk\_Reviews\_Restaurant1` FOREIGN KEY (`Restaurant\_id`) REFERENCES `restaurant` (`Restaurant\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `reviews`

--

LOCK TABLES `reviews` WRITE;

/\*!40000 ALTER TABLE `reviews` DISABLE KEYS \*/;

INSERT INTO `reviews` VALUES ('001','R001','C001','FOOD WAS AWESOME. WE REALLY ENJOYED THE AMBIANCE. THE STAFF WAS GREAT',4.5),('002','R002','C001','FOOD WAS OKAYISH. WE LIKED THE AMBIANCE.',4),('003','R003','C005','WE LIKED THE SOUPS. WE REALLY ENJOYED THE VEGETARIAN OPTIONS. THE STAFF WAS GREAT',4.1),('004','R004','C010','FOOD WAS LESS IN QUANTITY. WE WERENT ATTENDED FOR A LONG TIME. THE STAFF WAS PATHETIC',2),('005','R005','C003','I ENJOYED THEIR SERVING STYLE. I WAS ALSO IMPRESSED WITH THEIR MENU ITEMS. THE STAFF WAS VERY PLEASING',4.5),('006','R007','C009','I LIKED THE FOOD BUT THE PLACE WAS DIRTY',3.8),('007','R006','C005','I LIKED THE FOOD AND ALSO THE PLACE BUT IT WAS IN THE CORE AREA. THIS MADE ME WASTE A LOT OF TIME ON SEARCHING THE PLACE.',3.9);

/\*!40000 ALTER TABLE `reviews` ENABLE KEYS \*/;

UNLOCK TABLES;

/\*!50003 SET @saved\_cs\_client = @@character\_set\_client \*/ ;

/\*!50003 SET @saved\_cs\_results = @@character\_set\_results \*/ ;

/\*!50003 SET @saved\_col\_connection = @@collation\_connection \*/ ;

/\*!50003 SET character\_set\_client = utf8 \*/ ;

/\*!50003 SET character\_set\_results = utf8 \*/ ;

/\*!50003 SET collation\_connection = utf8\_general\_ci \*/ ;

/\*!50003 SET @saved\_sql\_mode = @@sql\_mode \*/ ;

/\*!50003 SET sql\_mode = 'STRICT\_TRANS\_TABLES,NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION' \*/ ;

DELIMITER ;;

/\*!50003 CREATE\*/ /\*!50017 DEFINER=`ketul`@`%`\*/ /\*!50003 Trigger updateRatings

After Insert on Reviews

For Each Row

Begin

declare rate float;

declare newRate float;

if new.Stars != null then

set rate= (select rating from restaurant where restaurant.Restaurant\_id=new.Restaurant\_id);

set newRate= (rate + new.Stars)/2;

update Restaurant set Rating= newRate where Restaurant.Restaurant\_id=new.Restaurant\_id;

end if;

End \*/;;

DELIMITER ;

/\*!50003 SET sql\_mode = @saved\_sql\_mode \*/ ;

/\*!50003 SET character\_set\_client = @saved\_cs\_client \*/ ;

/\*!50003 SET character\_set\_results = @saved\_cs\_results \*/ ;

/\*!50003 SET collation\_connection = @saved\_col\_connection \*/ ;

--

-- Table structure for table `system\_admin`

--

DROP TABLE IF EXISTS `system\_admin`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

CREATE TABLE `system\_admin` (

`System\_Admin\_Id` varchar(10) NOT NULL,

PRIMARY KEY (`System\_Admin\_Id`),

KEY `fk\_System\_Admin\_Person1\_idx` (`System\_Admin\_Id`),

CONSTRAINT `fk\_System\_Admin\_Person1` FOREIGN KEY (`System\_Admin\_Id`) REFERENCES `person` (`Person\_id`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `system\_admin`

--

LOCK TABLES `system\_admin` WRITE;

/\*!40000 ALTER TABLE `system\_admin` DISABLE KEYS \*/;

INSERT INTO `system\_admin` VALUES ('SA001'),('SA002');

/\*!40000 ALTER TABLE `system\_admin` ENABLE KEYS \*/;

UNLOCK TABLES;

--

-- Dumping events for database 'onlinefooddeliverysystem'

--

--

-- Dumping routines for database 'onlinefooddeliverysystem'

--

/\*!50003 DROP PROCEDURE IF EXISTS `CalculateRevenue` \*/;

/\*!50003 SET @saved\_cs\_client = @@character\_set\_client \*/ ;

/\*!50003 SET @saved\_cs\_results = @@character\_set\_results \*/ ;

/\*!50003 SET @saved\_col\_connection = @@collation\_connection \*/ ;

/\*!50003 SET character\_set\_client = utf8 \*/ ;

/\*!50003 SET character\_set\_results = utf8 \*/ ;

/\*!50003 SET collation\_connection = utf8\_general\_ci \*/ ;

/\*!50003 SET @saved\_sql\_mode = @@sql\_mode \*/ ;

/\*!50003 SET sql\_mode = 'STRICT\_TRANS\_TABLES,NO\_AUTO\_CREATE\_USER,NO\_ENGINE\_SUBSTITUTION' \*/ ;

DELIMITER ;;

CREATE DEFINER=`ketul`@`%` PROCEDURE `CalculateRevenue`(Restaurant\_Name VARCHAR(20))

BEGIN

select r.Name, sum(p.Payment\_Total) as 'Total Revenue'

from Restaurant r, Payment p , Orders o

where exists( Select oi.Restaurant\_id, oi.Order\_Id from order\_item oi where oi.Order\_Id in (select p.Order\_Id from Payment p))

and p.Order\_Id= o.Order\_Id and o.Restaurant\_id = r.Restaurant\_id and r.Name=Restaurant\_Name

group by o.Restaurant\_id, r.Name;

END ;;

DELIMITER ;

/\*!50003 SET sql\_mode = @saved\_sql\_mode \*/ ;

/\*!50003 SET character\_set\_client = @saved\_cs\_client \*/ ;

/\*!50003 SET character\_set\_results = @saved\_cs\_results \*/ ;

/\*!50003 SET collation\_connection = @saved\_col\_connection \*/ ;

/\*!40103 SET TIME\_ZONE=@OLD\_TIME\_ZONE \*/;

/\*!40101 SET SQL\_MODE=@OLD\_SQL\_MODE \*/;

/\*!40014 SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS \*/;

/\*!40014 SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS \*/;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

/\*!40111 SET SQL\_NOTES=@OLD\_SQL\_NOTES \*/;

-- Dump completed on 2016-12-12 14:40:25