

Takeaway Restaurant Management System

Problem Statement -

A lot of transactions take place in a take-away restaurant each day. Recording them and all associated tasks of operating a restaurant like managing inventory, managing employee data and analysing the data can be a tedious task if done manually in record books. As an alternative, one can accomplish all these tasks in a single system using a database management system.

This system should help in running the restaurant more efficiently by:

- Keeping records of all daily transactions in one place
- Managing inventory
- Managing Employee data
- Data is available for filing tax related information
- Managing supplier/vendor information
- Analysing historical data to view restaurant performance/manage costs

Users of the database could be:

- Owner/Manager
- Cashier
- Customer (limited to viewing menu items)

Proposed Entities:

- Customers
- Orders
- Employees
- Food available
- Inventory of Raw materials

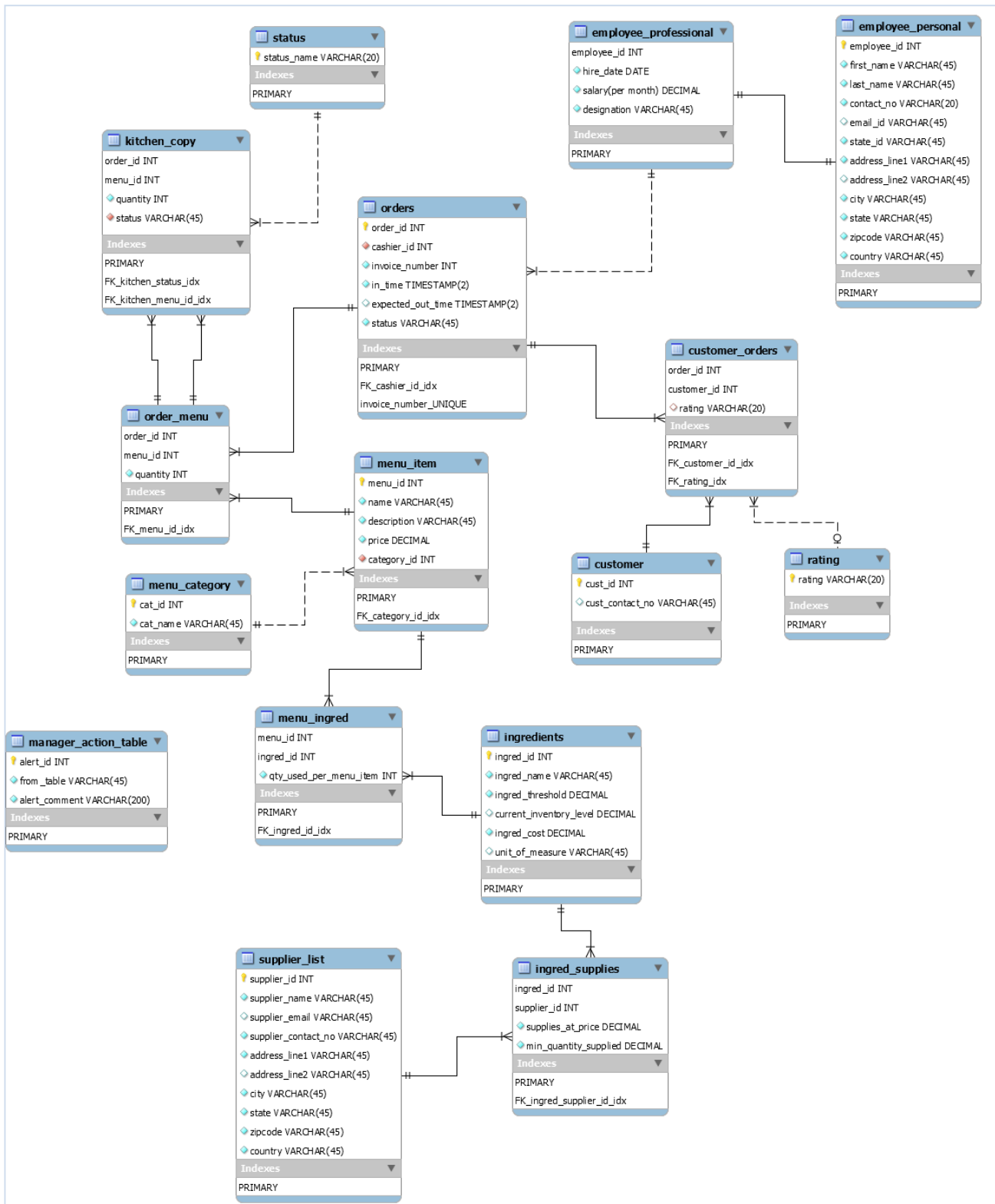
Approach to Solve this Problem:

First the requirements were converted to business rules-

- Customers place orders.
- Orders are served by employees.
- Employees have personal and professional information.
- Orders have menu_items.
- Kitchen staff updates status of each menu_item in order that has been prepared.
- Menu_items can belong to different categories.
- Different ingredients are used to prepare menu_items.
- Ingredients are supplied by different suppliers/vendors.

Then a preliminary ER diagram was prepared. The final ER diagram is given on the next page.

Final ER Diagram



Note: Many-to-many relationships have been implemented using a third (bridge) table.

VIEWS Implemented

➤ View Definition 1:

We can calculate the total value of each order quickly using this view.

Using the "in_time" field, we can find the number of orders/value of orders processed per day or at any given time of day.

```
192 • create view Total_per_Order_id as
193 select order_menu.order_id, sum(order_menu.quantity*menu_item.price) as "Total Amount per Order_id",
194        orders.cashier_id, orders.in_time
195 from order_menu inner join orders
196 on order_menu.order_id=orders.order_id
197 inner join menu_item
198 on order_menu.menu_id=menu_item.menu_id
199 group by order_menu.order_id;
200 -- because logically only one cashier is working on one order, and at the same timestamp.
201
202 • select * from Total_per_Order_id;
```

order_id	Total Amount per Order_id	cashier_id	in_time
1	14	400	2018-12-13 01:48:00
2	15	400	2018-12-13 00:48:00
3	6	401	2018-12-13 00:48:00

➤ View Definition 2:

We can calculate total value of orders placed by each customer. This can help us determine the average sales per customer.

```
204 • create view Total_per_Customer_id as
205 select customer_orders.customer_id, sum(order_menu.quantity*menu_item.price) as "Each customer spends '$'"
206 from order_menu inner join orders
207 on order_menu.order_id=orders.order_id
208 inner join menu_item
209 on order_menu.menu_id=menu_item.menu_id
210 inner join customer_orders
211 on customer_orders.order_id=orders.order_id
212 group by customer_orders.customer_id;
213
214 • select * from Total_per_Customer_id;
```

customer_id	Each customer spends '\$'
1	14
3	15
2	6

TRIGGERS Implemented

- Two triggers on same table to generate column data:
MYSQL does not allow two fields to be set to “auto_increment” in the same table. But I needed two fields to be auto-generated. So a trigger “invoice_id_generator” has been used to generate the second field “invoice_number”.

A field was needed that specified a timeout situation that was 30 minutes from when data is inserted. (30 minutes since order was placed.) Hence another trigger “Out_time_generator” has been used to document that time.

“PRECEDES” keyword is used to denote that trigger “invoice_id_generator” precedes trigger “Out_time_generator”.

```
68 • describe orders;
69 • select * from orders;
70 • alter table orders modify in_time timestamp not null default current_timestamp;
71 • alter table orders modify invoice_number integer not null default 100;
72 • delete from orders where order_id=2;
73
74 delimiter //
75 • create trigger invoice_id_generator
76   before insert
77   on orders
78   for each row PRECEDES out_time_generator
79   begin
80     set new.invoice_number=(select max(invoice_number) + 1 from orders);
81   end;
82 //
83
84 delimiter //
85 • create trigger out_time_generator
86   before insert
87   on orders
88   for each row
89   begin
90     set new.expected_out_time=(select adddate(NEW.in_time, interval 30 minute));
91   end;
92 //
```

- Trigger to Insert data in ‘Manager_action_table’ (to alert manager) when inventory quantity goes below threshold value:

```
246 delimiter //
247 • create trigger manager_alert
248   before update
249   on ingredients
250   for each row
251   begin
252     if NEW.current_inventory_level<OLD.ingred_threshold then
253       insert into manager_action_table (from_table, alert_comment) values ('ingredients',
254       'quantity below threshold levels. Please check.');
```

- Trigger to populate “kitchen_copy” table to reduce manual work:
“kitchen_copy” is the kitchen’s copy of the order that has to be fulfilled. Instead of manually entering data, trigger “populate_kitchen_copy” inserts a statement in the table each time a row is inserted in table “order_menu”.

```
167 • select * from kitchen_copy;
168 • select * from order_menu;
169
170 delimiter //
171 • create trigger populate_kitchen_copy
172     after insert
173     on order_menu
174     for each row
175     begin
176         insert into kitchen_copy (order_id, menu_id, quantity) values (NEW.order_id, NEW.menu_id, NEW.quantity);
177     end;
178 //
179 delimiter ;
180 • -----
```

CHECKS Implemented using Another Table

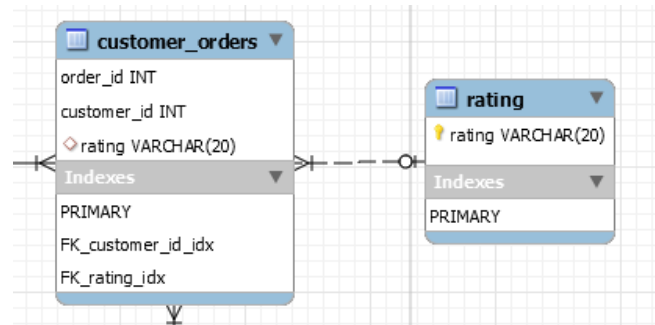
As we know, MySQL does not support check constraints. As a workaround, another table can be used to limit the values of a column.

➤ Rating table.

“rating” field of “customer_orders” can only have values that are already present in “rating” table.

This is possible due to referential integrity.

Referenced table: “rating” (PK)

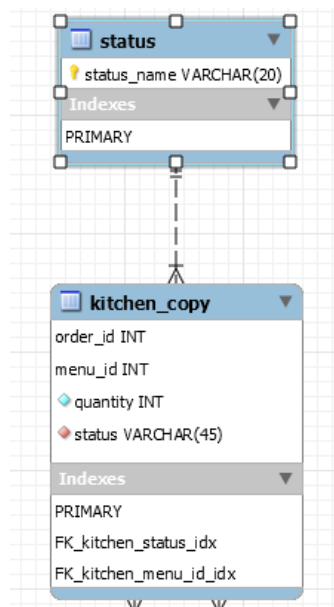


➤ Status table.

“status” field of “kitchen_copy” table can only have values that are present in “status” table.

This is possible due to referential integrity.

Referenced table: “status” (PK)



Appendix A: MySQL Dump

```
CREATE DATABASE IF NOT EXISTS `dmdd_project_garima` /*!40100 DEFAULT CHARACTER SET utf8 */;
USE `dmdd_project_garima`;
-- MySQL dump 10.13 Distrib 8.0.12, for Win64 (x86_64)
--
-- Host: localhost Database: dmdd_project_garima
--
-- Server version 8.0.12

/*!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 */;
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 `customer`
--

DROP TABLE IF EXISTS `customer`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `customer` (
  `cust_id` int(11) NOT NULL,
  `cust_contact_no` varchar(45) DEFAULT NULL,
  PRIMARY KEY (`cust_id`)
) 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 (1,'9858747895'),(2,NULL),(3,'5487965894'),(4,NULL),(5,NULL),(6,NULL);
/*!40000 ALTER TABLE `customer` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `customer_orders`
--

DROP TABLE IF EXISTS `customer_orders`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
```

```

CREATE TABLE `customer_orders` (
  `order_id` int(11) NOT NULL,
  `customer_id` int(11) NOT NULL,
  `rating` varchar(20) DEFAULT NULL,
  PRIMARY KEY (`order_id`,`customer_id`),
  KEY `FK_customer_id_idx` (`customer_id`),
  KEY `FK_rating_idx` (`rating`),
  CONSTRAINT `FK_customer_id` FOREIGN KEY (`customer_id`) REFERENCES `customer` (`cust_id`),
  CONSTRAINT `FK_customer_order_id` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`),
  CONSTRAINT `FK_rating` FOREIGN KEY (`rating`) REFERENCES `rating` (`rating`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `customer_orders`
--

```

```

LOCK TABLES `customer_orders` WRITE;
/*!40000 ALTER TABLE `customer_orders` DISABLE KEYS */;
INSERT INTO `customer_orders` VALUES (2,3,'average'),(1,1,'good'),(4,5,'poor'),(3,2,'recommend');
/*!40000 ALTER TABLE `customer_orders` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `employee_personal`
--

```

```

DROP TABLE IF EXISTS `employee_personal`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `employee_personal` (
  `employee_id` int(11) NOT NULL,
  `first_name` varchar(45) NOT NULL,
  `last_name` varchar(45) NOT NULL,
  `contact_no` varchar(20) NOT NULL,
  `email_id` varchar(45) DEFAULT NULL,
  `state_id` varchar(45) NOT NULL,
  `address_line1` varchar(45) NOT NULL,
  `address_line2` varchar(45) DEFAULT NULL,
  `city` varchar(45) NOT NULL,
  `state` varchar(45) NOT NULL,
  `zipcode` varchar(45) NOT NULL,
  `country` varchar(45) NOT NULL,
  PRIMARY KEY (`employee_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `employee_personal`
--

```



```

LOCK TABLES `employee_personal` WRITE;
/*!40000 ALTER TABLE `employee_personal` DISABLE KEYS */;
INSERT INTO `employee_personal` VALUES
(100,'Katie','Smith','8574125036','123@gmail.com','MA12345','40, Main
Road',NULL,'Townsville','State12','123456','USA'),(101,'Jenny','Jones','5748967875','jones@gmail.com','M
A14876','22, Winding Road',NULL,'Big
Town','State45','547857','USA'),(102,'Daisy','Moore','8527414569','Daisy@hotmail.com','TX25478','77,
abc road','Apt 6','Small
Village','State36','895748','USA'),(200,'Bob','Robson','8574126987','456@gmail.com','CA24578','12, Little
Street',NULL,'Big City','Small
State','254879','USA'),(300,'Sandra','Jakes','9875879654','sandra@her_mail.com','TX45874','25, Village
Main',NULL,'Windy Village','Golden
State','254785','USA'),(301,'John','Jones','8745896857','jj@jonesmail.org','MA15568','32, Main
Road',NULL,'Townsville','Distant
State','245875','USA'),(400,'Steve','Gee','2547898547','steve@gee.com','CA36598','45, Happy
Lane',NULL,'Big Apple City','New
State','478578','USA'),(401,'Nick','White','5787458796','white@house.com','NJ54875','3, Tiny
Terrace','Apt 8','Big City','Small State','874589','USA');
/*!40000 ALTER TABLE `employee_personal` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `employee_professional`
--

```

```

DROP TABLE IF EXISTS `employee_professional`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4;
CREATE TABLE `employee_professional` (
  `employee_id` int(11) NOT NULL,
  `hire_date` date NOT NULL,
  `salary(per month)` float NOT NULL,
  `designation` varchar(45) NOT NULL,
  PRIMARY KEY (`employee_id`),
  CONSTRAINT `FK_employee_id` FOREIGN KEY (`employee_id`) REFERENCES `employee_personal`
(`employee_id`) ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `employee_professional`
--

```

```

LOCK TABLES `employee_professional` WRITE;
/*!40000 ALTER TABLE `employee_professional` DISABLE KEYS */;
INSERT INTO `employee_professional` VALUES (100,'2018-02-16',1000,'Cook'),(101,'2016-04-
23',1000,'Cook'),(102,'2016-05-30',1000,'Cook'),(200,'2015-05-22',3700,'Manager'),(300,'2016-08-
04',700,'Server'),(301,'2017-06-29',700,'Server'),(400,'2017-06-24',1000,'Cashier'),(401,'2016-12-
03',1000,'Cashier');
/*!40000 ALTER TABLE `employee_professional` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `ingred_supplies`
--

DROP TABLE IF EXISTS `ingred_supplies`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `ingred_supplies` (
  `ingred_id` int(11) NOT NULL,
  `supplier_id` int(11) NOT NULL,
  `supplies_at_price` decimal(10,0) NOT NULL,
  `min_quantity_supplied` decimal(10,0) NOT NULL,
  PRIMARY KEY (`ingred_id`,`supplier_id`),
  KEY `FK_ingred_supplier_id_idx` (`supplier_id`),
  CONSTRAINT `FK_ingred_supplier_id` FOREIGN KEY (`supplier_id`) REFERENCES `supplier_list`
(`supplier_id`),
  CONSTRAINT `FK_supp_ingred_id` FOREIGN KEY (`ingred_id`) REFERENCES `ingredients` (`ingred_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `ingred_supplies`
--

LOCK TABLES `ingred_supplies` WRITE;
/*!40000 ALTER TABLE `ingred_supplies` DISABLE KEYS */;
INSERT INTO `ingred_supplies` VALUES (1,1,18,100),(1,2,20,100),(2,1,4,5);
/*!40000 ALTER TABLE `ingred_supplies` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `ingredients`
--

DROP TABLE IF EXISTS `ingredients`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `ingredients` (
  `ingred_id` int(11) NOT NULL AUTO_INCREMENT,
  `ingred_name` varchar(45) NOT NULL,
  `ingred_threshold` decimal(10,0) NOT NULL,
  `current_inventory_level` decimal(10,0) DEFAULT NULL,
  `ingred_cost` decimal(10,0) NOT NULL,
  `unit_of_measure` varchar(45) DEFAULT NULL,
  PRIMARY KEY (`ingred_id`)
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `ingredients`

```

--

```
LOCK TABLES `ingredients` WRITE;
/*!40000 ALTER TABLE `ingredients` DISABLE KEYS */;
INSERT INTO `ingredients` VALUES (1,'peas',100,150,20,'boxes'),(2,'lemons',10,8,10,'pounds'),(3,'veg
patty',300,350,10,'pieces'),(4,'ketchup',500,550,10,'sachets');
/*!40000 ALTER TABLE `ingredients` 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 = utf8mb4 */;
/*!50003 SET character_set_results = utf8mb4 */;
/*!50003 SET collation_connection = utf8mb4_0900_ai_ci */;
/*!50003 SET @saved_sql_mode      = @@sql_mode */;
/*!50003 SET sql_mode              = 'STRICT_TRANS_TABLES,NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER `manager_alert` BEFORE
UPDATE ON `ingredients` FOR EACH ROW begin
    if NEW.current_inventory_level<OLD.ingred_threshold then
        insert into manager_action_table (from_table, alert_comment) values
('ingredients','quantity below threshold levels. Please check.');
```

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 `kitchen_copy`

--

```
DROP TABLE IF EXISTS `kitchen_copy`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
SET character_set_client = utf8mb4;
CREATE TABLE `kitchen_copy` (
  `order_id` int(11) NOT NULL,
  `menu_id` int(11) NOT NULL,
  `quantity` int(11) NOT NULL DEFAULT '0',
  `status` varchar(45) NOT NULL DEFAULT 'Initial',
  PRIMARY KEY (`order_id`,`menu_id`),
  KEY `FK_kitchen_status_idx` (`status`),
  KEY `FK_kitchen_menu_id_idx` (`menu_id`),
  CONSTRAINT `FK_kitchen_menu_id` FOREIGN KEY (`menu_id`) REFERENCES `order_menu` (`menu_id`),
  CONSTRAINT `FK_kitchen_order_id` FOREIGN KEY (`order_id`) REFERENCES `order_menu` (`order_id`),
  CONSTRAINT `FK_kitchen_status` FOREIGN KEY (`status`) REFERENCES `status` (`status_name`) ON
UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `kitchen_copy`
--
```

```
LOCK TABLES `kitchen_copy` WRITE;
/*!40000 ALTER TABLE `kitchen_copy` DISABLE KEYS */;
INSERT INTO `kitchen_copy` VALUES (3,5,1,'Initial');
/*!40000 ALTER TABLE `kitchen_copy` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `manager_action_table`
--
```

```
DROP TABLE IF EXISTS `manager_action_table`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `manager_action_table` (
  `alert_id` int(11) NOT NULL AUTO_INCREMENT,
  `from_table` varchar(45) NOT NULL,
  `alert_comment` varchar(200) NOT NULL,
  PRIMARY KEY (`alert_id`)
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `manager_action_table`
--
```

```
LOCK TABLES `manager_action_table` WRITE;
/*!40000 ALTER TABLE `manager_action_table` DISABLE KEYS */;
INSERT INTO `manager_action_table` VALUES (1,'ingredients','quantity below threshold levels. Please check.');
```

```
/*!40000 ALTER TABLE `manager_action_table` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `menu_category`
--
```

```
DROP TABLE IF EXISTS `menu_category`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `menu_category` (
  `cat_id` int(11) NOT NULL,
  `cat_name` varchar(45) NOT NULL,
  PRIMARY KEY (`cat_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `menu_category`
--

LOCK TABLES `menu_category` WRITE;
/*!40000 ALTER TABLE `menu_category` DISABLE KEYS */;
INSERT INTO `menu_category` VALUES (1,'burgers'),(2,'fries'),(3,'sides'),(4,'beverages'),(5,'dessert');
/*!40000 ALTER TABLE `menu_category` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `menu_ingred`
--
```

```
DROP TABLE IF EXISTS `menu_ingred`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `menu_ingred` (
  `menu_id` int(11) NOT NULL,
  `ingred_id` int(11) NOT NULL,
  `qty_used_per_menu_item` int(11) NOT NULL,
  PRIMARY KEY (`menu_id`,`ingred_id`),
  KEY `FK_ingred_id_idx` (`ingred_id`),
  CONSTRAINT `FK_ingred_id` FOREIGN KEY (`ingred_id`) REFERENCES `ingredients` (`ingred_id`),
  CONSTRAINT `FK_menu_item_id` FOREIGN KEY (`menu_id`) REFERENCES `menu_item` (`menu_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `menu_ingred`
--
```

```
LOCK TABLES `menu_ingred` WRITE;
/*!40000 ALTER TABLE `menu_ingred` DISABLE KEYS */;
INSERT INTO `menu_ingred` VALUES (1,1,1),(1,3,1),(1,4,1),(2,1,1),(2,2,2),(2,4,1);
/*!40000 ALTER TABLE `menu_ingred` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `menu_item`
--
```

```
DROP TABLE IF EXISTS `menu_item`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `menu_item` (
  `menu_id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(45) NOT NULL,
  `description` varchar(45) NOT NULL,
  `price` float NOT NULL,
  `category_id` int(11) NOT NULL,
```

```

PRIMARY KEY (`menu_id`),
KEY `FK_category_id_idx` (`category_id`),
CONSTRAINT `FK_category_id` FOREIGN KEY (`category_id`) REFERENCES `menu_category` (`cat_id`) ON
UPDATE CASCADE
) ENGINE=InnoDB AUTO_INCREMENT=10 DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `menu_item`
--

```

```

LOCK TABLES `menu_item` WRITE;
/*!40000 ALTER TABLE `menu_item` DISABLE KEYS */;
INSERT INTO `menu_item` VALUES (1,'veg burger','totally veg',4,1),(2,'chicken burger','contains non
vegetarian elements',6,1),(3,'fries','totally veg',4,2),(4,'garlic bread','vegetarian',3,3),(5,'cheese
sticks','mozzarella filling',6,3),(6,'cocacola','beverage',2,4),(7,'pastry','lots of calories!',5,5);
/*!40000 ALTER TABLE `menu_item` ENABLE KEYS */;
UNLOCK TABLES;

```

```

--
-- Table structure for table `order_menu`
--

```

```

DROP TABLE IF EXISTS `order_menu`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4 ;
CREATE TABLE `order_menu` (
  `order_id` int(11) NOT NULL,
  `menu_id` int(11) NOT NULL,
  `quantity` int(11) NOT NULL,
  PRIMARY KEY (`order_id`,`menu_id`),
  KEY `FK_menu_id_idx` (`menu_id`),
  CONSTRAINT `FK_menu_id` FOREIGN KEY (`menu_id`) REFERENCES `menu_item` (`menu_id`),
  CONSTRAINT `FK_order_id` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `order_menu`
--

```

```

LOCK TABLES `order_menu` WRITE;
/*!40000 ALTER TABLE `order_menu` DISABLE KEYS */;
INSERT INTO `order_menu` VALUES (1,1,1),(1,2,1),(1,6,2),(2,3,2),(2,4,1),(2,6,2),(3,5,1);
/*!40000 ALTER TABLE `order_menu` 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 = utf8mb4 */;
/*!50003 SET character_set_results = utf8mb4 */;

```

```

/*!50003 SET collation_connection = utf8mb4_0900_ai_ci */;
/*!50003 SET @saved_sql_mode      = @@sql_mode */;
/*!50003 SET sql_mode              = 'STRICT_TRANS_TABLES,NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`root`@`localhost`*/ /*!50003 TRIGGER `populate_kitchen_copy`
AFTER INSERT ON `order_menu` FOR EACH ROW begin
    insert into kitchen_copy (order_id, menu_id, quantity) values (NEW.order_id, NEW.menu_id,
NEW.quantity);
    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 `orders`
--

```

```

DROP TABLE IF EXISTS `orders`;
/*!40101 SET @saved_cs_client  = @@character_set_client */;
SET character_set_client = utf8mb4;
CREATE TABLE `orders` (
  `order_id` int(11) NOT NULL AUTO_INCREMENT,
  `cashier_id` int(11) NOT NULL,
  `invoice_number` int(11) NOT NULL DEFAULT '100',
  `in_time` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `expected_out_time` timestamp NULL DEFAULT NULL,
  PRIMARY KEY (`order_id`),
  UNIQUE KEY `invoice_number` (`invoice_number`),
  KEY `FK_cashier_id_idx` (`cashier_id`),
  CONSTRAINT `FK_cashier_id` FOREIGN KEY (`cashier_id`) REFERENCES `employee_professional`
(`employee_id`)
) ENGINE=InnoDB AUTO_INCREMENT=9 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 (1,400,105,'2018-12-13 06:48:00','2018-12-13
07:18:00.00'),(2,400,102,'2018-12-13 05:48:00','2018-12-13 06:18:00.00'),(3,401,100,'2018-12-13
05:48:00','2018-12-13 06:18:00.00'),(4,400,4,'2018-12-13 05:48:00','2018-12-13
06:18:00.00'),(5,400,101,'2018-12-13 05:48:00','2018-12-13 06:18:00.00'),(6,400,103,'2018-12-13
05:59:00','2018-12-13 06:29:00.00'),(7,400,104,'2018-12-13 05:59:00','2018-12-13
06:29:00.00'),(8,401,106,'2018-12-13 09:13:56','2018-12-13 09:43:56.00');
/*!40000 ALTER TABLE `orders` 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 = utf8mb4 */;
/*!50003 SET character_set_results = utf8mb4 */;
/*!50003 SET collation_connection = utf8mb4_0900_ai_ci */;
/*!50003 SET @saved_sql_mode = @@sql_mode */;
/*!50003 SET sql_mode = 'STRICT_TRANS_TABLES,NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER='root'@'localhost'*/ /*!50003 TRIGGER `invoice_id_generator`
BEFORE INSERT ON `orders` FOR EACH ROW begin
    set new.invoice_number=(select max(invoice_number) + 1 from orders);
    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 */;
/*!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 = utf8mb4 */;
/*!50003 SET character_set_results = utf8mb4 */;
/*!50003 SET collation_connection = utf8mb4_0900_ai_ci */;
/*!50003 SET @saved_sql_mode = @@sql_mode */;
/*!50003 SET sql_mode = 'STRICT_TRANS_TABLES,NO_ENGINE_SUBSTITUTION' */;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER='root'@'localhost'*/ /*!50003 TRIGGER `out_time_generator`
BEFORE INSERT ON `orders` FOR EACH ROW begin
    set new.expected_out_time=(select adddate(NEW.in_time, interval 30 minute));
    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 `rating`
--

DROP TABLE IF EXISTS `rating`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
SET character_set_client = utf8mb4;
CREATE TABLE `rating` (
  `rating` varchar(20) NOT NULL,
  PRIMARY KEY (`rating`),
  UNIQUE KEY `rating_UNIQUE` (`rating`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--

```



```
-- Dumping data for table `rating`  
--
```

```
LOCK TABLES `rating` WRITE;  
/*!40000 ALTER TABLE `rating` DISABLE KEYS */;  
INSERT INTO `rating` VALUES ('average'),('good'),('poor'),('recommend');  
/*!40000 ALTER TABLE `rating` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `status`  
--
```

```
DROP TABLE IF EXISTS `status`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
SET character_set_client = utf8mb4 ;  
CREATE TABLE `status` (  
  `status_name` varchar(20) NOT NULL,  
  PRIMARY KEY (`status_name`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `status`  
--
```

```
LOCK TABLES `status` WRITE;  
/*!40000 ALTER TABLE `status` DISABLE KEYS */;  
INSERT INTO `status` VALUES ('Complete'),('Delivered'),('In progress'),('Initial');  
/*!40000 ALTER TABLE `status` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `supplier_list`  
--
```

```
DROP TABLE IF EXISTS `supplier_list`;  
/*!40101 SET @saved_cs_client = @@character_set_client */;  
SET character_set_client = utf8mb4 ;  
CREATE TABLE `supplier_list` (  
  `supplier_id` int(11) NOT NULL AUTO_INCREMENT,  
  `supplier_name` varchar(45) NOT NULL,  
  `supplier_email` varchar(45) DEFAULT NULL,  
  `supplier_contact_no` varchar(45) NOT NULL,  
  `address_line1` varchar(45) NOT NULL,  
  `address_line2` varchar(45) DEFAULT NULL,  
  `city` varchar(45) NOT NULL,  
  `state` varchar(45) NOT NULL,  
  `zipcode` varchar(45) NOT NULL,  
  `country` varchar(45) NOT NULL,  
  PRIMARY KEY (`supplier_id`)
```

```

) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `supplier_list`
--

LOCK TABLES `supplier_list` WRITE;
/*!40000 ALTER TABLE `supplier_list` DISABLE KEYS */;
INSERT INTO `supplier_list` VALUES (1,'Bright Brothers','bright@gmail.com','2587459865','09, Kite
Lane',NULL,'Boston','MA','245875','USA'),(2,'Spice Kings','king@hotmail.com','9874563248','34, Lengthy
Lane','Apt 6','Malden','MA','658749','USA');
/*!40000 ALTER TABLE `supplier_list` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Temporary view structure for view `total_per_customer_id`
--

DROP TABLE IF EXISTS `total_per_customer_id`;
/*!50001 DROP VIEW IF EXISTS `total_per_customer_id`*/;
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8mb4;
/*!50001 CREATE VIEW `total_per_customer_id` AS SELECT
  1 AS `customer_id`,
  1 AS `Each customer spends '$`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary view structure for view `total_per_order_id`
--

DROP TABLE IF EXISTS `total_per_order_id`;
/*!50001 DROP VIEW IF EXISTS `total_per_order_id`*/;
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8mb4;
/*!50001 CREATE VIEW `total_per_order_id` AS SELECT
  1 AS `order_id`,
  1 AS `Total Amount per Order_id`,
  1 AS `cashier_id`,
  1 AS `in_time`*/;
SET character_set_client = @saved_cs_client;

--
-- Dumping events for database 'dmdd_project_garima'
--

--
-- Dumping routines for database 'dmdd_project_garima'
--

```

```
--
-- Final view structure for view `total_per_customer_id`
--

/*!50001 DROP VIEW IF EXISTS `total_per_customer_id`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8mb4 */;
/*!50001 SET character_set_results = utf8mb4 */;
/*!50001 SET collation_connection  = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `total_per_customer_id` AS select `customer_orders`.`customer_id` AS
`customer_id`,sum((`order_menu`.`quantity` * `menu_item`.`price`)) AS `Each customer spends '$` from
(((`order_menu` join `orders` on((`order_menu`.`order_id` = `orders`.`order_id`))) join `menu_item`
on((`order_menu`.`menu_id` = `menu_item`.`menu_id`))) join `customer_orders`
on((`customer_orders`.`order_id` = `orders`.`order_id`))) group by `customer_orders`.`customer_id` */;
/*!50001 SET character_set_client  = @saved_cs_client */;
/*!50001 SET character_set_results = @saved_cs_results */;
/*!50001 SET collation_connection  = @saved_col_connection */;
```

```
--
-- Final view structure for view `total_per_order_id`
--
```

```
/*!50001 DROP VIEW IF EXISTS `total_per_order_id`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8mb4 */;
/*!50001 SET character_set_results = utf8mb4 */;
/*!50001 SET collation_connection  = utf8mb4_0900_ai_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`root`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `total_per_order_id` AS select `order_menu`.`order_id` AS
`order_id`,sum((`order_menu`.`quantity` * `menu_item`.`price`)) AS `Total Amount per
Order_id`,`orders`.`cashier_id` AS `cashier_id`,`orders`.`in_time` AS `in_time` from ((`order_menu` join
`orders` on((`order_menu`.`order_id` = `orders`.`order_id`))) join `menu_item`
on((`order_menu`.`menu_id` = `menu_item`.`menu_id`))) group by `order_menu`.`order_id` */;
/*!50001 SET character_set_client  = @saved_cs_client */;
/*!50001 SET character_set_results = @saved_cs_results */;
/*!50001 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 2018-12-13 9:59:02
```