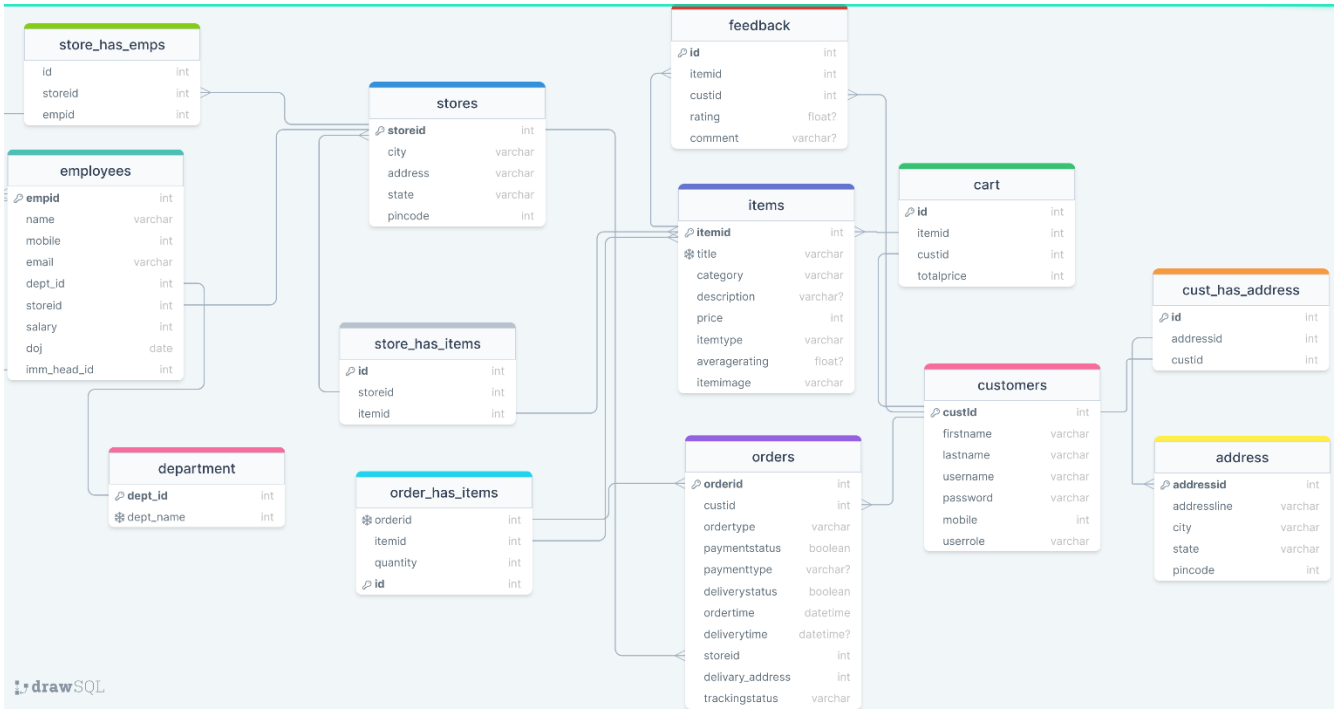
Online Food Ordering Database System

ABSTRACT:

This database have different stores in different locations with different food items. Customers can place takeaway or delivery orders. Each store has different employees and manager. Using this database management system we can keep track of all orders, customers, food items menu of each store, customer feedbacks and employees of each store. We can keep track of customers cart and addresses also.

ER-Diagram:



Database Tables:

```
CREATE TABLE `customers`(
    `custId` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `firstname` VARCHAR(255) NOT NULL,
    `lastname` VARCHAR(255) NOT NULL,
    `username` VARCHAR(255) NOT NULL,
    `password` VARCHAR(255) NOT NULL,
    `mobile` INT NOT NULL,
    `userrole` VARCHAR(255) NOT NULL
);
ALTER TABLE
    `customers` ADD PRIMARY KEY
`customers_custid_primary`(`custId`);
```

```
CREATE TABLE `orders`(
    `orderid` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `custid` INT NOT NULL,
    `ordertype` VARCHAR(255) NOT NULL,
    `paymentstatus` TINYINT(1) NOT NULL,
    `paymenttype` VARCHAR(255) NULL,
    `deliverystatus` TINYINT(1) NOT NULL,
    `ordertime` DATETIME NOT NULL,
    `deliverytime` DATETIME NULL,
    `storeid` INT NOT NULL,
    `delivary_address` INT NOT NULL,
    `trackingstatus` VARCHAR(255) NOT NULL
);
ALTER TABLE
    `orders` ADD PRIMARY KEY `orders_orderid_primary`(`orderid`);
```

```
CREATE TABLE `items`(
    `itemid` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `title` VARCHAR(255) NOT NULL,
    `category` VARCHAR(255) NOT NULL,
    `description` VARCHAR(255) NULL,
    `price` INT NOT NULL,
    `itemtype` VARCHAR(255) NOT NULL,
    `averagerating` DOUBLE(8, 2) NULL,
    `itemimage` VARCHAR(255) NOT NULL
);
ALTER TABLE
    `items` ADD PRIMARY KEY `items_itemid_primary`(`itemid`);
ALTER TABLE
    `items` ADD UNIQUE `items_title_unique`(`title`);
```

```
CREATE TABLE `stores`(
    `storeid` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `city` VARCHAR(255) NOT NULL,
    `address` VARCHAR(255) NOT NULL,
    `state` VARCHAR(255) NOT NULL,
    `pincode` INT NOT NULL
);
ALTER TABLE
    `stores` ADD PRIMARY KEY `stores_storeid_primary`(`storeid`);
```

```
CREATE TABLE `employees`(
    `empid` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `name` VARCHAR(255) NOT NULL,
    `mobile` INT NOT NULL,
    `email` VARCHAR(255) NOT NULL,
    `dept_id` INT NOT NULL,
    `storeid` INT NOT NULL,
    `salary` INT NOT NULL,
    `doj` DATE NOT NULL,
    `imm_head_id` INT NOT NULL
);
ALTER TABLE
    `employees` ADD PRIMARY KEY `employees_empid_primary`(`empid`);
```

```
CREATE TABLE `order_has_items`(
    `orderid` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `itemid` INT NOT NULL,
    `quantity` INT NOT NULL,
    `id` INT NOT NULL
);
ALTER TABLE
    `order_has_items` ADD UNIQUE
`order_has_items_orderid_unique`(`orderid`);
ALTER TABLE
    `order_has_items` ADD PRIMARY KEY
`order_has_items_id_primary`(`id`);
```

```
CREATE TABLE `store_has_emps`(
    `id` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `storeid` INT NOT NULL,
    `empid` INT NOT NULL
);
```

```
CREATE TABLE `cart`(
    `id` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `itemid` INT NOT NULL,
    `custid` INT NOT NULL,
    `totalprice` INT NOT NULL
);
ALTER TABLE
    `cart` ADD PRIMARY KEY `cart_id_primary`(`id`);



CREATE TABLE `address`(
    `addressid` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `addressline` VARCHAR(255) NOT NULL,
    `city` VARCHAR(255) NOT NULL,
    `state` VARCHAR(255) NOT NULL,
    `pincode` INT NOT NULL
);
ALTER TABLE
    `address` ADD PRIMARY KEY
`address_addressid_primary`(`addressid`);



CREATE TABLE `cust_has_address`(
    `id` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `addressid` INT NOT NULL,
    `custid` INT NOT NULL
);
ALTER TABLE
    `cust_has_address` ADD PRIMARY KEY
`cust_has_address_id_primary`(`id`);




CREATE TABLE `feedback`(
    `id` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `itemid` INT NOT NULL,
    `custid` INT NOT NULL,
    `rating` DOUBLE(8, 2) NULL,
    `comment` VARCHAR(255) NULL
);
ALTER TABLE
    `feedback` ADD PRIMARY KEY `feedback_id_primary`(`id`);



CREATE TABLE `store_has_items`(
    `id` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `storeid` INT NOT NULL,
    `itemid` INT NOT NULL
);
ALTER TABLE
    `store_has_items` ADD PRIMARY KEY
`store_has_items_id_primary`(`id`);
```

```
CREATE TABLE `department`(
    `dept_id` INT UNSIGNED NOT NULL AUTO_INCREMENT,
    `dept_name` INT NOT NULL
);



ALTER TABLE
    `department` ADD PRIMARY KEY
`department_dept_id_primary`(`dept_id`);
ALTER TABLE
    `department` ADD UNIQUE
`department_dept_name_unique`(`dept_name`);
ALTER TABLE
    `feedback` ADD CONSTRAINT `feedback_itemid_foreign` FOREIGN
KEY(`itemid`) REFERENCES `items`(`itemid`);
ALTER TABLE
    `store_has_items` ADD CONSTRAINT
`store_has_items_itemid_foreign` FOREIGN KEY(`itemid`) REFERENCES
`items`(`itemid`);
ALTER TABLE
    `orders` ADD CONSTRAINT `orders_custid_foreign` FOREIGN
KEY(`custid`) REFERENCES `customers`(`custId`);
ALTER TABLE
    `feedback` ADD CONSTRAINT `feedback_custid_foreign` FOREIGN
KEY(`custid`) REFERENCES `customers`(`custId`);
ALTER TABLE
    `orders` ADD CONSTRAINT `orders_storeid_foreign` FOREIGN
KEY(`storeid`) REFERENCES `stores`(`storeid`);
ALTER TABLE
    `store_has_emps` ADD CONSTRAINT `store_has_emps_storeid_foreign`
FOREIGN KEY(`storeid`) REFERENCES `stores`(`storeid`);
ALTER TABLE
    `order_has_items` ADD CONSTRAINT
`order_has_items_orderid_foreign` FOREIGN KEY(`orderid`) REFERENCES
`orders`(`orderid`);
ALTER TABLE
    `order_has_items` ADD CONSTRAINT
`order_has_items_itemid_foreign` FOREIGN KEY(`itemid`) REFERENCES
`items`(`itemid`);
ALTER TABLE
    `employees` ADD CONSTRAINT `employees_storeid_foreign` FOREIGN
KEY(`storeid`) REFERENCES `stores`(`storeid`);
ALTER TABLE
    `employees` ADD CONSTRAINT `employees_imm_head_id_foreign`
FOREIGN KEY(`imm_head_id`) REFERENCES `employees`(`empid`);
ALTER TABLE
    `cart` ADD CONSTRAINT `cart_itemid_foreign` FOREIGN
KEY(`itemid`) REFERENCES `items`(`itemid`);
ALTER TABLE
    `cart` ADD CONSTRAINT `cart_custid_foreign` FOREIGN
KEY(`custid`) REFERENCES `customers`(`custId`);
ALTER TABLE
    `cust_has_address` ADD CONSTRAINT
`cust_has_address_addressid_foreign` FOREIGN KEY(`addressid`)
REFERENCES `address`(`addressid`);
```

```
ALTER TABLE
    `cust_has_address` ADD CONSTRAINT
`cust_has_address_custid_foreign` FOREIGN KEY(`custid`) REFERENCES
`customers`(`custId`);
ALTER TABLE
    `store_has_items` ADD CONSTRAINT
`store_has_items_storeid_foreign` FOREIGN KEY(`storeid`) REFERENCES
`stores`(`storeid`);
ALTER TABLE
    `employees` ADD CONSTRAINT `employees_dept_id_foreign` FOREIGN
KEY(`dept_id`) REFERENCES `department`(`dept_id`);
ALTER TABLE
    `store_has_emps` ADD CONSTRAINT `store_has_emps_empid_foreign`
FOREIGN KEY(`empid`) REFERENCES `employees`(`empid`);
```