

/\*Entities\*/

```
CREATE TABLE `account` (  
  `accountNo` int NOT NULL AUTO_INCREMENT,  
  `balance` decimal(8,2) NOT NULL,  
  PRIMARY KEY (`accountNo`)  
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `restaurant` (  
  `RestaurantID` int NOT NULL AUTO_INCREMENT,  
  `restaurantName` varchar(100) NOT NULL,  
  PRIMARY KEY (`RestaurantID`)  
) ENGINE=InnoDB AUTO_INCREMENT=1000 DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `customer` (  
  `customerID` int NOT NULL AUTO_INCREMENT,  
  `customerName` varchar(50) NOT NULL,  
  `accountNo` int NOT NULL,  
  `email` varchar(320) NOT NULL,  
  `pass` varchar(320) NOT NULL,  
  PRIMARY KEY (`customerID`),  
  KEY `accountNo` (`accountNo`),  
  CONSTRAINT `customer_ibfk_1` FOREIGN KEY (`accountNo`) REFERENCES `account`  
  (`accountNo`)  
) ENGINE=InnoDB AUTO_INCREMENT=100 DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `menu` (  
  `ItemID` int NOT NULL AUTO_INCREMENT,  
  `RestaurantID` int NOT NULL,  
  `ItemName` varchar(100) NOT NULL,  
  `Price` float NOT NULL,  
  PRIMARY KEY (`ItemID`, `RestaurantID`),  
  KEY `RestaurantID` (`RestaurantID`),  
  CONSTRAINT FOREIGN KEY (`RestaurantID`) REFERENCES `restaurant` (`RestaurantID`)  
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `orders` (  
  `orderID` int NOT NULL AUTO_INCREMENT,  
  `ItemID` int NOT NULL,  
  `RestaurantID` int NOT NULL,
```

```

`customerID` int NOT NULL,
`Quantity` int NOT NULL,
PRIMARY KEY (`orderID`,`ItemID`,`RestaurantID`,`customerID`),
KEY `ItemID` (`ItemID`),
KEY `RestaurantID` (`RestaurantID`),
KEY `customerID` (`customerID`),
CONSTRAINT FOREIGN KEY (`ItemID`) REFERENCES `menu` (`ItemID`),
CONSTRAINT FOREIGN KEY (`RestaurantID`) REFERENCES `restaurant` (`RestaurantID`),
CONSTRAINT FOREIGN KEY (`customerID`) REFERENCES `customer` (`customerID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;

```

```

CREATE TABLE `orderinfo` (
  `orderID` int NOT NULL AUTO_INCREMENT,
  `isReady` tinyint(1) NOT NULL,
  `readyTime` datetime NOT NULL,
  `totalPrice` decimal(6,2) NOT NULL,
  `isOrderPickedUp` tinyint(1) NOT NULL,
  `orderExpirationDateTime` datetime NOT NULL,
  `RestaurantID` int NOT NULL,
  PRIMARY KEY (`orderID`,`RestaurantID`),
  KEY `RestaurantID` (`RestaurantID`),
  CONSTRAINT FOREIGN KEY (`RestaurantID`) REFERENCES `restaurant` (`RestaurantID`)
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;

```

## TEST DATA

```

INSERT INTO restaurant (RestaurantID, restaurantName)
VALUES
  (1001, 'Mcdonalds'),
  (1002, 'Dennys');

```

```

INSERT INTO menu (ItemID, RestaurantID, ItemName, Price)
VALUES
  (1, 1001, 'Burger', 6.99),
  (2, 1001, 'Fries', 3.75),
  (3, 1001, 'Soda', 2.50),
  (4, 1002, 'Pancakes', 12.45),
  (5, 1002, 'Milkshake', 4.00),

```

```
(6, 1002,'Omellete',15.20);
INSERT INTO account (accountNo, balance)
VALUES
    (1, 50.00),
    (2, 20.55);
```

/\*The unhashed passwords are 'x' and 'y' respectively.\*/

```
INSERT INTO customer (customerID, customerName, accountNo, email, pass)
VALUES
(109,'John',1,'john27@aol.com','$2b$12$LilQGpaxEwdONBqq89oxSOSPUE6uY9RBTYvK9Fxx
397mPgqFw56Jq'),
    (108,'Jake',2,'statefarm@gmail.com',
    '$2b$12$K16e4yUGiS3uuMdS6q43feIWLEDecbl1HDEvbiKza0y1BqxPtiQ0O
);
```

```
INSERT INTO orderinfo (orderID, isReady, readyTime, totalPrice, isOrderPickedUp,
orderExpirationDateTime, RestaurantID)
VALUES
    (9,0,'2023-01-06 12:25:34', 18.24, 0, '2023-02-06 12:25:34', 1001),
    (8,0,'2023-03-06 12:25:34', 28.90, 0, '2023-04-06 12:25:34', 1002);
```

```
INSERT INTO orders (orderID, ItemID, RestaurantID, customerID, Quantity)
VALUES
    (9, 1, 1001, 109, 1),
    (9, 2, 1001, 109, 3),
    (8, 4, 1002, 108, 2),
    (8, 5, 1002, 108, 1);
```