

## 用户及权限系统数据库设计

### Customer

Field	Type	Key	Description
customer_id	int	PRI	The ID of customer
customer_name	varchar(20)		The name of customer

### Seller

Field	Type	Key	Description
seller_id	int	PRI	The ID of seller
seller_name	varchar(20)		The name of seller
seller_pwd	varchar(20)		The password of seller

### Order

Field	Type	Key	Description
order_id	int	PRI	The ID of order
total	float		The total price of order
order_info	varchar(500)		The information of order
order_state	varchar(10)		The state of order
remark	varchar(500)		The remark of order

### Menu

Field	Type	Key	Description
food_id	int	PRI	The ID of food
food_name	varchar(20)		The name of food
food_type	varchar(20)		The type of food
food_price	float		The price of food
food_desc	varchar(100)		The description of food
food_img	varchar(100)		The address of food image

### Ordering

Field	Type	Key	Description
customer_id	int	PRI	The ID of customer
order_id	int		The ID of order
ordering_time	date		The time of ordering
table_id	int		The ID of table

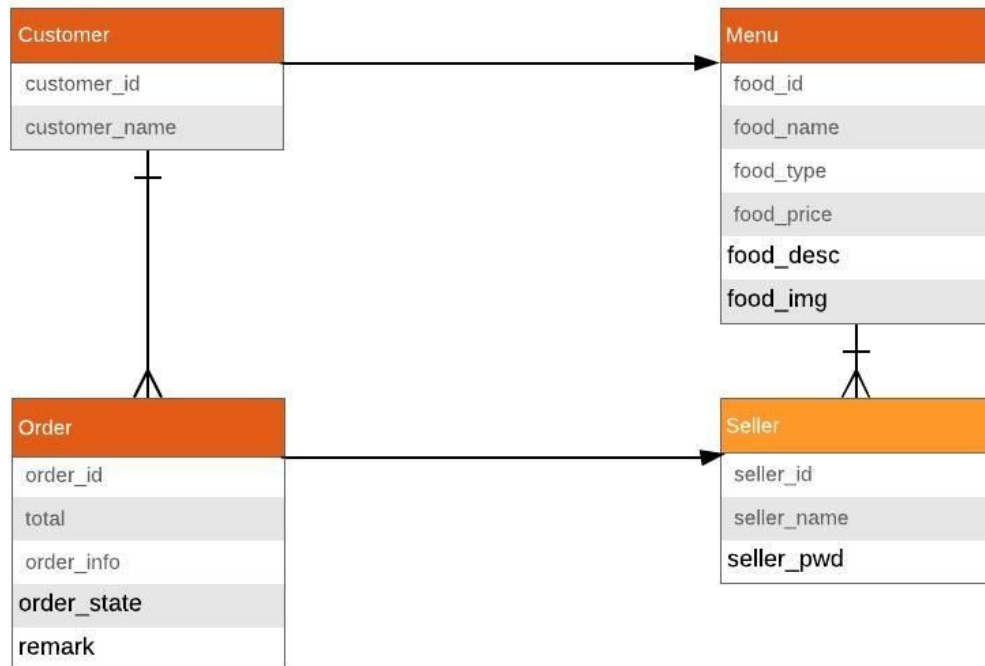
### Select

Field	Type	Key	Description
customer_id	int	PRI	The ID of customer
food_id	int	PRI	The ID of food
food_num	int		The number of selected food

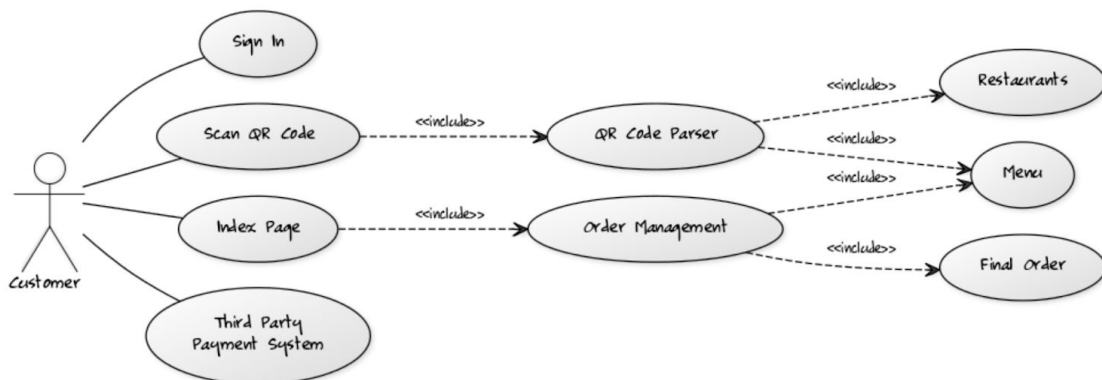
### Manager

Field	Type	Key	Description
seller_id	int	PRI	The ID of seller
food_id	int		The ID of food

ER Diagram:

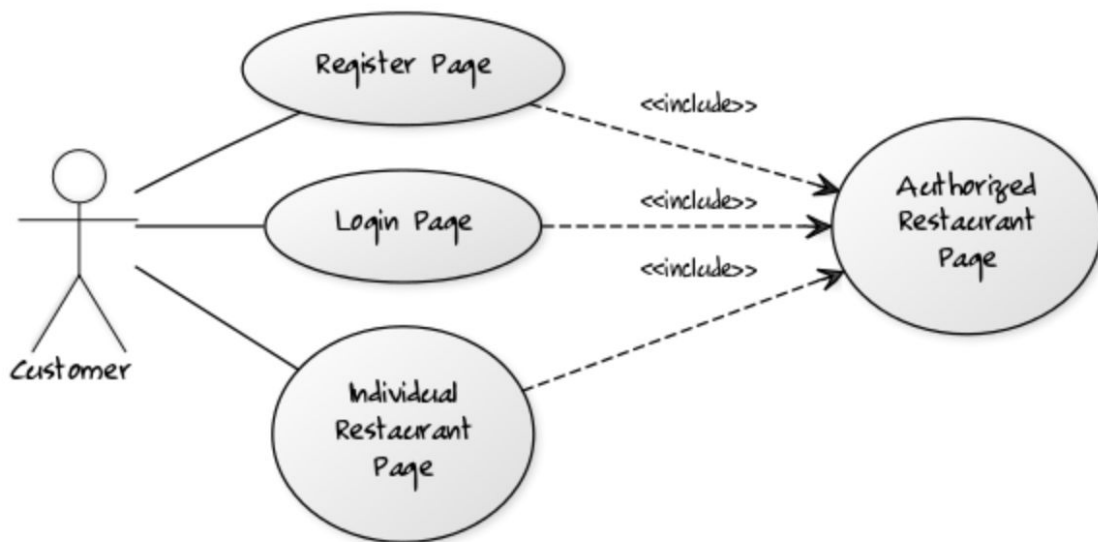


Order Use Case:



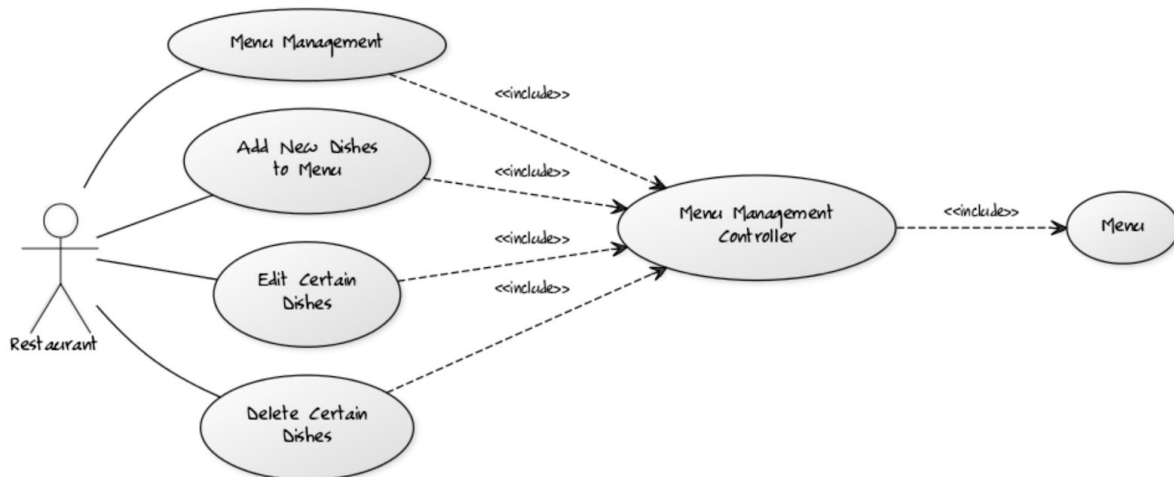
[Customer]-(Sign In), [Customer]-(Scan QR Code), [Customer]-(Index Page), [Customer]-(Third Party Payment System), (Index Page)>(Order Management), (Scan QR Code)>(QR Code Parser), (QR Code Parser)>(Restaurants), (QR Code Parser)>(Menu), (Order Management)>(Menu), (Order Management)>(Final Order)

Register and Sign-In Use Case:



[Customer]-(Register Page), [Customer]-(Login Page), [Customer]-(Individual Restaurant Page), (Register Page)>(Authorized Restaurant Page), (Login Page)>(Authorized Restaurant Page), (Individual Restaurant Page)>(Authorized Restaurant Page)

Menu Management Use Case:



[Restaurant]-(Menu Management), [Restaurant]-(Add New Dishes to Menu), [Restaurant]-(Edit Certain Dishes), [Restaurant]-(Delete Certain Dishes), (Menu Management)>(Menu Management Controller), (Add New Dishes to Menu)>(Menu Management Controller), (Edit Certain Dishes)>(Menu Management Controller), (Delete Certain Dishes)>(Menu Management Controller), (Menu Management Controller)>(Menu)