Database Design

item_name

item_id	varchar(6)	PK
item_cname	varchar(10)	Chinese Name
item_ename	varchar(50)	English Name

Menu

menu_id	varchar(6)	PK, FK: reference item_name(item_id)
menu_price	decimal(3,1)	Price
responsible	int(1)	0: set 1: kitchen 2: bar
default_quota	int(3)	-1: unlimited 0-999: quantity default_quota for branches to reset the realtime_quota everyday realtime_quota shows
realtime_quota	int(3)	
menu_category	varchar(6)	FK: reference provide_time(menu_category)

provide_time: different menu categories may have different available time

menu_category	varchar(6)	PK
start_time	time	
end_time	time	

user

user_id	varchar(10)	PK
user_pw	varchar(8)	
user_role	int(1)	0: table 1: kitchen 2: bar 3: staff (waiter) 4: admin (manager)

receipt

receipt_id	int(10) auto inc	PK
user_id	varchar(10)	FK: reference user(user_id)
no_of_ppl	int(2)	
receipt_date	date	
in_time	time	
checking_time	time	
out_time	time	
order_type	int(1)	0: dine-in 1: takeaway 2: 3rd party app
checking_status	tinyint	0: does not require checking 1: requires checking
responsible	varchar(4)	Responsible branch for dine-in/takeaway area

customer_order

order_id	int(10) auto inc	PK
receipt_id	int(10)	FK: reference receipt(receipt_id)
item_id	varchar(6)	FK: reference item_name(item_id)
order_qty	int(1)	
order_status	int(1)	0: pending 1: cooking 2: ready 3: served 4: checked -1: cancel
order_time	time	Record time when the order is placed
ready_time	time	Record time when order is ready from the Kitchen/Bar Dine-in: time when RFID tag is matched to the order Takeaways: time when the order is put into the cabinet and the door is closed.
served_time	time	Record time when order is served to customers Dine-in: when the plate/bowl is sensed by the RFID sensor Takeaways: when is taken from the cupboard by non-staff

district

district_id	varchar(4)	PK
shop	varchar(4)	PK