

PHYSICAL DESIGN

CUSTOMER

cust_id (PK) NUMBER(6)

address_id (FK) NUMBER(6)

bonus_id (FK) NUMBER(6)

phone_no Not Null, unique VARCHAR2(20)

first_name Not Null VARCHAR2(50)

last_name Not Null VARCHAR2(50)

email unique VARCHAR2(150)

birth_date DATE

password Not Null, VARCHAR2(50)

Foreign Key address_id references ADDRESS(address_id)

Foreign Key bonus_id references BONUS(bonus_id)

ADDRESS

address_id (PK) NUMBER(6)

street_id (FK) NUMBER(6)

district_id (FK) NUMBER(6)

addres_desc Not NULL CLOB

Foreign Key street_id references STREET(street_id)

Foreign Key district_id references DISTRICT(district_id)

STREET

street_id (PK) NUMBER(6)

Name Not Null CLOB

DISTRICTS

district_id (PK) NUMBER(6)

Name Not Null CLOB

RESTAURANT

rest_id PK NUMBER(6)

address_id FK NUMBER(6)

review_id FK NUMBER(6)

meal_id FK NUMBER(6)

restaurant_name NOT NULL VARCHAR2(50)

categories NOT NULL VARCHAR2(20)

min_order_price NOT NULL, CHECK(min_order_price>0) NUMBER(3)

Foreign Key address_id references ADDRESS(address_id)

Foreign Key review_id references REVIEW(review_id)

Foreign Key meal_id references MEAL(meal_id)

Review

review_id (PK) NUMBER(6)

speed (CHECK speed>0), NUMBER(2)

taste (CHECK taste>0) ,NUMBER(2)

price_for_value (CHECK price_for_value>0), NUMBER(2)

average (Calculated average=speed+taste+price_for_value/3), NUMBER(2)

comments CLOB

BONUS

bonus_id (PK) NUMBER(6)

bonus_sDate NOT NULL, DATE

bonus_eDate (DR calculated) , DATE

current_bonus NOT NULL, NUMBER(3), CHECK(current_bonus>=0)

bonus_desc NOT NULL, CLOB

MEAL

meal_id (PK), NUMBER(6)

rest_id FK NUMBER(6)

image_id FK NUMBER(6)

extras_id FK NUMBER(6)

meal_name NOT NULL, VARCHAR2(50)

meal_description NOT NULL,CLOB

price NOT NULL, CHECK(price>0) NUMBER(6)

Foreign Key rest_id references RESTAURANT(rest_id)

Foreign Key image_id references IMAGE(image_id)

Foreign Key extras_id references EXTRAS(extras_id)

EXTRAS

ExtrasId (PK) NUMBER(6)

Ingredients VARCHAR2(50)

Sauces VARCHAR2(50)

ToRemove VARCHAR2(50)

Others VARCHAR2(50)

IMAGES

ImageId (PK) NUMBER(6)

ImageUrl CLOB NOT NULL (each meal/food must have a image).

ORDERS

orderId (PK) NUMBER(6)

meal_id FK NUMBER(6)

cust_id FK NUMBER(6)

extras_id FK NUMBER(6)

image_id FK NUMBER(6)

courier_id FK NUMBER(6)

orderStatus NOT NULL, VARCHAR2(50)

orderDate NOT NULL, DATE

orderDeliveryDate NOT NULL, DATE

Foreign Key meal_id references MEAL(meal_id)

Foreign Key customer_id references CUSTOMER(customer_id)

Foreign Key extras_id references EXTRAS(extras_id)

Foreign Key courier_id references COURIER(courier_id)

Foreign Key image_id references IMAGE(image_id)

ADD TO CART

meal_id (FK) NUMBER(6)

order_id (FK) NUMBER(6)

delivery_cost NOT NULL, CHECK(delivery_cost>=0), NUMBER(2)

payment_type NOT NULL, VARCHAR2(50)

total_cost NOT NULL, DR(calculated), NUMBER(6)

quantity NOT NULL, CHECK(quantity>0),NUMBER(3)

Foreign Key order_id references ORDER(order_id)

Foreign Key meal_id references MEAL(meal_id)

COURIER

courierId (PK) NUMBER(6)

first_name NOT NULL, VARCHAR2(50)

last_name NOT NULL, VARCHAR2(50)

phone_number NOT NULL,unique, VARCHAR2(20)

hire_date NOT NULL , DATE