

# Product Supply System

t_supplier_contacts
pk_contact_id INT
fk_supplier_id INT
contact_name VARCHAR(255)
contact_title VARCHAR(255)
phone_number INT
email VARCHAR(255)
Indexes

t_suppliers
pk_supplier_id INT
company_name VARCHAR(255)
company_address VARCHAR(255)
company_website VARCHAR(255)
Indexes

t_supply_records
pk_supply_record_id INT
fk_supply_product_id INT
fk_supply_variant_id INT
fk_supplier_id INT
supply_date DATE
supply_quantity FLOAT
total_price FLOAT
pay_term TEXT
Indexes

# Product Management System

t_products
pk_product_id INT
product_name VARCHAR(255)
category VARCHAR(255)
description TEXT
Indexes

t_product_management_records
pk_management_record_id INT
management_date DATE
management_time TIME
fk_responsible_employee_id INT
fk_product_id INT
fk_variant_id INT
warehouse_change_quantity FLOAT
shelf_change_quantity FLOAT
Indexes

t_product_variants
pk_product_id INT
pk_variant_id INT
variant_name VARCHAR(255)
variant_unit VARCHAR(255)
variant_unit_price FLOAT
variant_description TEXT
warehouse_quantity FLOAT
shelf_quantity FLOAT
Indexes

t_variant_discounts
pk_variant_discount_id INT
fk_discount_product_id INT
fk_discount_variant_id INT
variant_discount_rate FLOAT
start_date DATE
end_date DATE
Indexes

# Employee Management System

t_employees
pk_employee_id INT
job_position VARCHAR(255)
salary FLOAT
phone_number INT
work_schedules TEXT
Indexes

# Product Sales System

t_transaction_details
pk_transaction_id INT
pk_transaction_detail_id INT
fk_product_id INT
fk_variant_id INT
purchasing_quantity FLOAT
discounted_total_price FLOAT
Indexes

t_transaction_records
pk_transaction_id INT
fk_responsible_employee_id INT
fk_customer_id INT
transaction_date DATE
transaction_time TIME
transaction_way VARCHAR(255)
fk_promotion_id INT
initial_amount FLOAT
discounted_amount FLOAT
Indexes

t_customers
pk_customer_id INT
customer_name VARCHAR(255)
phone_number INT
account_balance FLOAT
Indexes

t_reduction_promotions
pk_promotion_id INT
threshold_amount FLOAT
discount_amount FLOAT
start_date DATE
end_date DATE
Indexes