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# Canteen Food Ordering System



SeriousEater Group

622780379 Paphana Yiwsiw (Programming)

622780569 Thanakit Lerttomolsakul (UI/UX)

622780668 Sirada Chaisawat (Database)

# 1

## Project Objective

This project focuses on the food ordering process and canteen management system at SIIT BKD campus canteen.

# 2

## Functionalities

In this project we decided to provide 2 services which are customer service and food shop owner service.

# Customer

- Login and register
- Browse for shop and menu
- Add/Delete menu in the cart
- Pre-order the menu
- Choose pick up time
- Pay for order
- Edit customer information
- View order history





# Food Shop Owner

- Login and Register
- Add/Update shop information
- Add/Update menu
- Receive orders from customers
- Update order status
- View revenue report

# “Admin Mode”

- Login
- Manage customer account
- Manage shop account
- Manage food item detail
- Manage customer order
- Manage payment detail

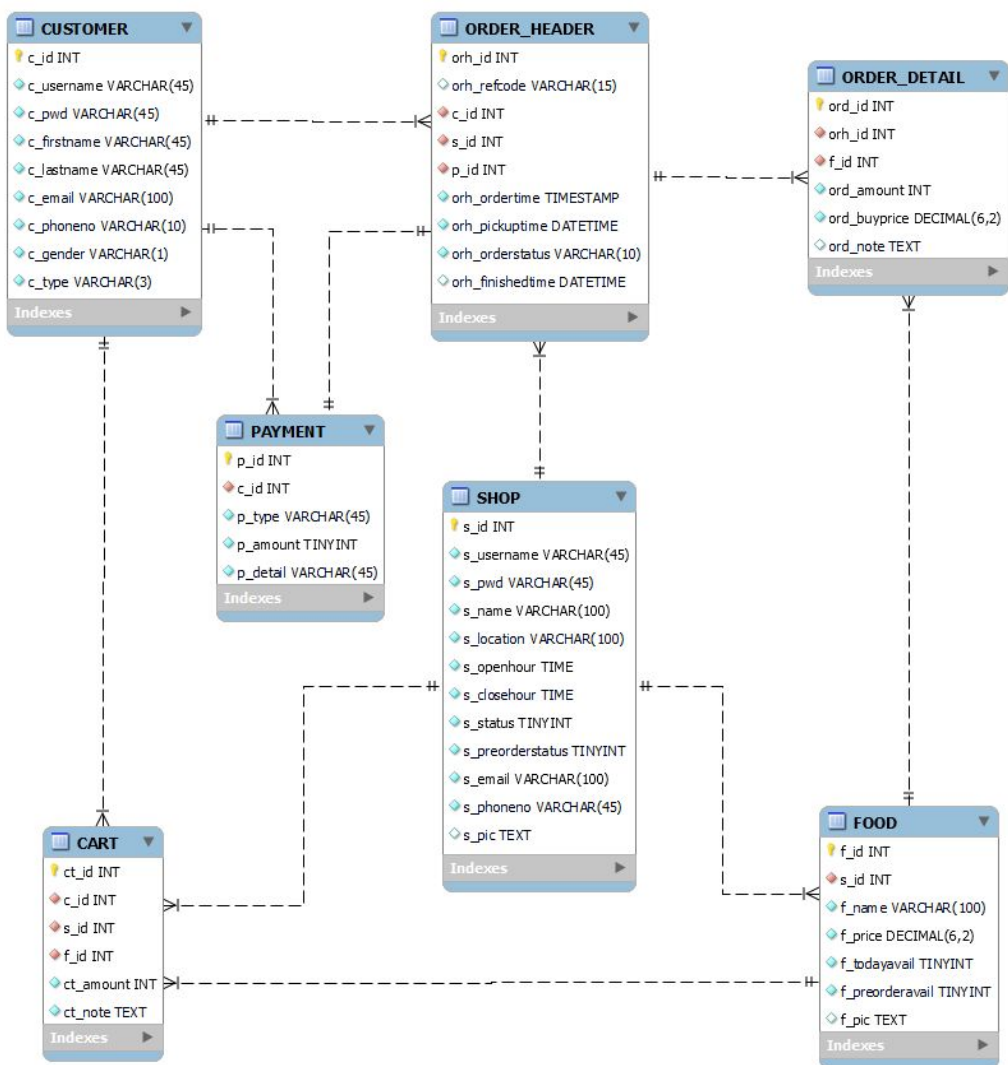




# 3

## ER/CD/DFD Diagram

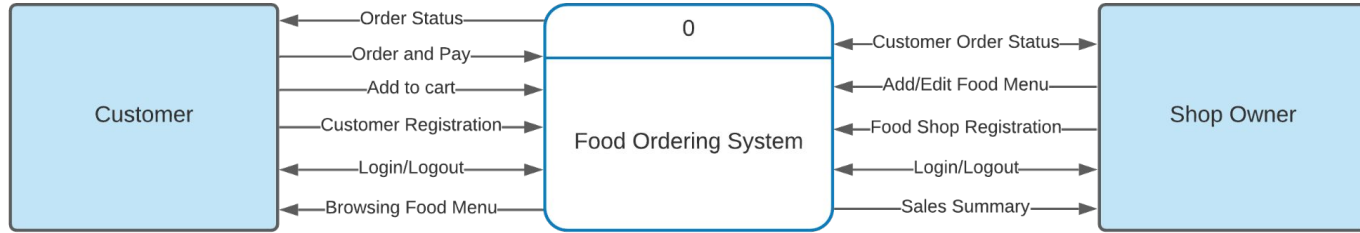
# ER Diagram



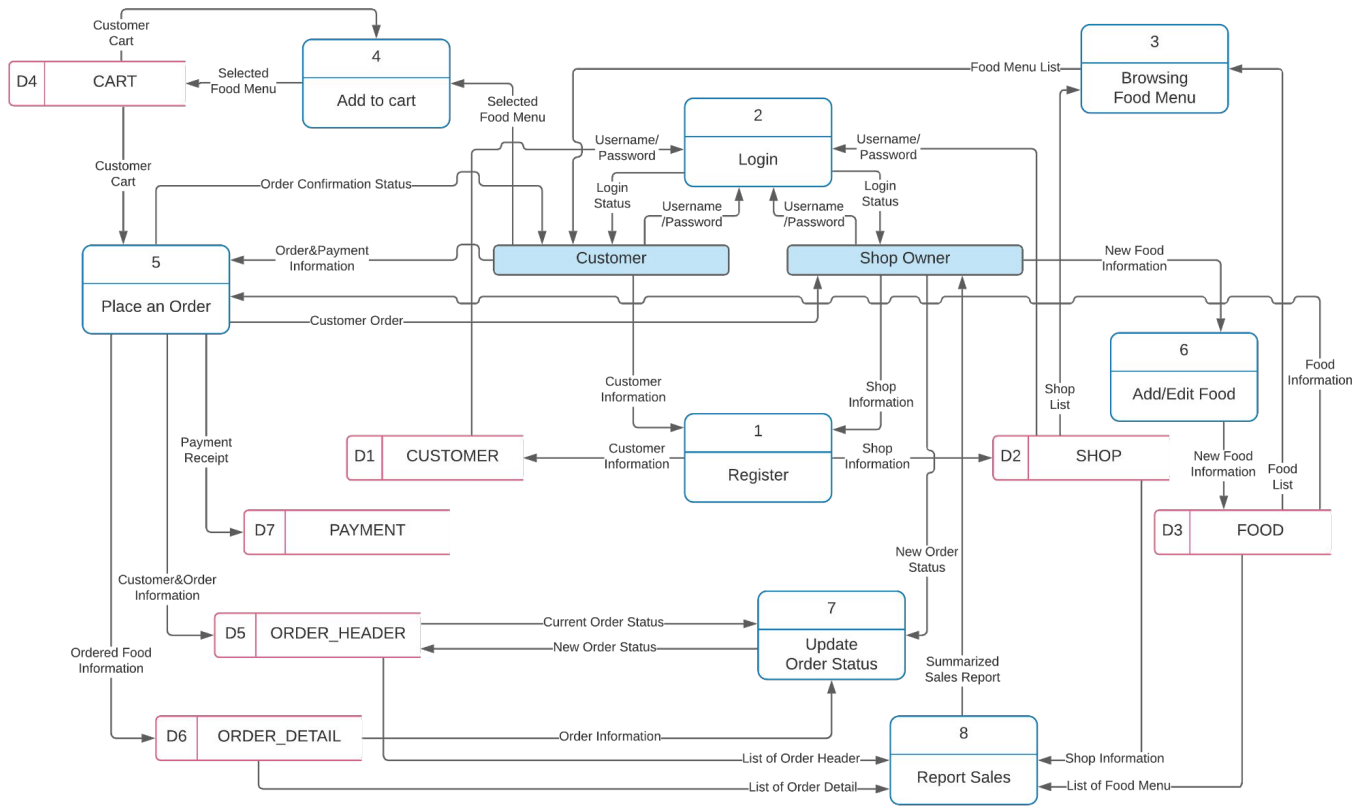




# Context Diagram



# Data Flow Diagram





# 4

## Stored Procedures



# Store Procedure

## Details

Routine name

customer\_order

Type

PROCEDURE

Parameters



| Direction | Name     | Type | Length/Values | Options |
|-----------|----------|------|---------------|---------|
| IN        | order_id | INT  | 11            | Drop    |

Add parameter

Definition

```
1 BEGIN
2     SELECT orh.ord_refcode AS reference_code,
   CONCAT(c.c_firstname, ' ', c.c_lastname) AS customer_name, s.s_name
   AS shop_name, f.f_name AS food_name, ord.ord_buyprice AS buy_price,
   ord.ord_amount AS amount, ord.ord_note AS order_note,
   orh.ord_ordertime AS order_time, orh.ord_pickuptime AS pickup_time
3     FROM order_header orh
4     INNER JOIN order_detail ord ON orh.ord_id = ord.ord_id
5     INNER JOIN food f ON f.f_id = ord.f_id
6     INNER JOIN customer c ON orh.c_id = c.c_id
7     INNER JOIN shop s ON orh.s_id = s.s_id
8     WHERE orh.ord_id = order_id;
9 END
```



# Store Procedure

Details

Routine name

customer\_order\_history

Type

PROCEDURE

Parameters

Direction

Name

Type

Length/Values

Options

IN

customer\_

INT

11

Drop

Add parameter

Definition

```
1 BEGIN
2     SELECT orh.orch_refcode AS reference_code,
3     CONCAT(c.c_firstname, ' ', c.c_lastname) AS customer_name,
4     s.s_name AS shop_name, orh.orch_ordertime AS order_time,
5     orh.orch_pickuptime AS pickup_time,
6     p.p_amount AS order_cost, orh.orch_orderstatus AS order_status
7     FROM order_header orh
8     INNER JOIN customer c ON orh.c_id = c.c_id
9     INNER JOIN payment p ON orh.p_id = p.p_id
10    INNER JOIN shop s ON orh.s_id = s.s_id
11    WHERE c.c_id = customer_id;
12 END
```

# Store Procedure

Details

Routine name
shop\_alltime\_revenue

Type
PROCEDURE

|            | Direction | Name    | Type | Length/Values | Options |
|------------|-----------|---------|------|---------------|---------|
| Parameters | IN        | shop_id | INT  | 11            | Drop    |

Add parameter

```

1 BEGIN
2     SELECT SUM(ord.ord_amount*ord.ord_buyprice) AS alltime_revenue
3     FROM order_header orh
4     INNER JOIN order_detail ord ON orh.ord_id = ord.ord_id
5     INNER JOIN food f ON f.f_id = ord.f_id
6     INNER JOIN shop s ON s.s_id = ord.s_id
7     WHERE s.s_id = shop_id AND orh.ord_orderstatus = 'FNH';
8 END

```

Definition

# Store Procedure

Details

Routine name
shop\_menu\_revenue

Type
PROCEDURE

Parameters

| Direction | Name    | Type | Length/Values | Options |
|-----------|---------|------|---------------|---------|
| IN        | shop_id | INT  | 11            | Drop    |

Add parameter

Definition

```

1 BEGIN
2   SELECT f.f_name AS food_name,
3     SUM(ord.ord_amount*ord.ord_buyprice) AS menu_revenue
4   FROM order_header orh
5   INNER JOIN order_detail ord ON orh.ord_id = ord.ord_id
6   INNER JOIN food f ON f.f_id = ord.f_id
7   WHERE orh.s_id = shop_id AND orh.ord_orderstatus = 'FNH'
8   GROUP BY ord.f_id ORDER BY menu_revenue DESC;
9 END

```



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## Implementation (Project Demo)





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# Thank You



Canteen Food Ordering System - SeriousEater Group

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