

OOPDS

FINAL PROJECT

Lecturer: NEOH KEE LIN

<FOODELIVERMENU >

Prepared by:

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UML CLASS DIAGRAM Restaurant Visual Paradigm Online Diagrams Express Edition + restaurantName : String # dishName : ArrayList<String> # dishCode : ArrayList<Integer> # dishPrice : ArrayList<Double> +viewMenu(r : Restaurant) : void +addMenu(name : String, code : int, price : double) : void +setMenu(code: int, name: String, price: double):void +deleteMenu(code: int) :void Foodeliver + orderName : ArrayList<String> + orderCode : ArrayList<Integer> +orderPrice : ArrayList<Double> +orderStatus: ArrayList<String> +cstmrName: ArrayList<String> +rstrntName: ArrayList<String> +deliveryMethod: ArrayList<String> Rider +handedTo: ArrayList<String> + riderName: ArrayList<String> + preAddOrder(code: int, r: Restaurant, cname: String, rname:String, s: Rider): void + queue : GenericQueue<String> + addOrder(code: int, r: Restaurant, cname: String, rname:String, collect : int) : void +viewAllOrder(): void +viewOrder(cname : String) : void +viewOrderForRestaurant(rname : String) : void +setStatusByRestaurant(code: int, status: int) : void +setStatusByRider(j:int, s: Rider, code:int): void +selfCollectFromRestaurant(code:int): void + assignRiderFromQueue(code: int, s: Rider) : void +viewStatisticsByRider(s: Rider): void GenericQueue<E> -list: java.util.ArrayList<E> + enqueue(e : E) : void Customer + dequeue(): E + getSize(): int customerName: String Online Diagrams Express Edition

USER MANUAL

- C:\Users\Sunbeam\OneDrive\Desktop\Java\New folder (2)>javac Restaurant.java
 C:\Users\Sunbeam\OneDrive\Desktop\Java\New folder (2)>java main
 Log in as

 1) Customer
 2) Restaurant
 3) Admin
 4) Rider
 5) Exit the program
- 1) Admin:

Admin Login Page

1) Customer
2) Restaurant
3) Admin
4) Rider
5) Exit the program
>3
Logged in as Admin
1) Add Riders to the system
2) View Rider Queue
3) All Order Histories
4) Order Statistics
>

Adding riders to the system

```
Logged in as Admin

1) Add Riders to the system

2) View Rider Queue

3) All Order Histories

4) Order Statistics

>1

Enter the name of the rider to add > Rasul
```

View Rider Queue

```
Logged in as Admin
```

- Add Riders to the system
- View Rider Queue
- All Order Histories
- 4) Order Statistics

>2

Queue: [Sunbeam, Rasul]

All Consolidated Order History

Logged in as Admin								
1) Add Riders to the system								
2) View Rider Q	2) View Rider Queue							
3) All Order Histories								
4) Order Statis	4) Order Statistics							
>3								
Nasi Goreng	101	10.5	Delivered	Mamak	Alex	Sunbeam	Rider	
Nasi Lemak	102	8.5	Delivered	Mamak	Alex	Sumaya	Rider	
Lamb Kabsa	301	11.0	Delivered	Arab	Mahi	Sunbeam	Rider	
Chicken Kabsa	302	9.5	Delivered	Arab	Mahi	Sumaya	Rider	
Chicken Burger	201	8.5	Delivered	Mcd	Eco	Sunbeam	Rider	
Cheese Burger	202	9.5	Delivered	Mcd	Eco	Sumaya	Rider	
Nasi Kandar	103	7.0	Ready	Mamak	Alex	Sumaya	Rider	

Order Statistics By Rider

```
Logged in as Admin
1) Add Riders to the system
2) View Rider Queue
All Order Histories
4) Order Statistics
>4
Show statistics by
1) By Rider
2) By Customer
Rider Name Order Delivered
Sumaya
                        3
Sunbeam
                        3
Rasul
                        0
```

2) Restaurant:

Restaurant Login Page

```
Log in as
1) Customer
2) Restaurant
3) Admin
4) Rider
5) Exit the program
>2
Choose your restaurant
Mamak Mcd Arab
Logged in as Restaurant Mamak
A) Restaurant Mamak
        Price(RM)
Code
                          Item
101
        10.5
                          Nasi Goreng
102
        8.5
                          Nasi Lemak
103
        7.0
                          Nasi Kandar
1) Add menu
2) Update Menu
3) Delete Menu
4) View Order History
5) Update Order Status
```

Add Menu

```
1) Add menu
2) Update Menu
3) Delete Menu
4) View Order History
5) Update Order Status
1
Enter the name of the food > Cola
Enter new Code of the food > 2.5
```

A) Restaurant Mamak				
Code	Price(RM)	Item		
101	10.5	Nasi Goreng		
102	8.5	Nasi Lemak		
103	7.0	Nasi Kandar		
104	2.5	Cola		

Update Menu

```
1) Add menu
2) Update Menu
3) Delete Menu
4) View Order History
5) Update Order Status
2
Enter the code of the food to update > 104
Enter new name of the food > Coca Cola
Enter new price of the food > 3.5
```

A) Res	taurant Mamak	
Code	Price(RM)	Item
101	10.5	Nasi Goreng
102	8.5	Nasi Lemak
103	7.0	Nasi Kandar
104	3.5	Coca Cola

Delete Menu

```
A) Restaurant Mamak
Code
       Price(RM)
                      Item
101
       10.5
                      Nasi Goreng
102
       8.5
                      Nasi Lemak
103
                      Nasi Kandar
       7.0
104
                      Coca Cola
       3.5
1) Add menu
2) Update Menu
3) Delete Menu
4) View Order History
5) Update Order Status
Enter the code of the food to delete > 104
A) Restaurant Mamak
Code
            Price(RM)
                                      Item
101
            10.5
                                      Nasi Goreng
102
            8.5
```

Nasi Lemak

Nasi Kandar

Update Order Status

7.0

103

```
1) Add menu
2) Update Menu
3) Delete Menu
4) View Order History
5) Update Order Status
Nasi Goreng
                101
                        10.5
                                Delivered
                                                 Alex
                                                         Sunbeam Rider
Nasi Lemak
                102
                        8.5
                                Delivered
                                                         Sumaya Rider
                                                 Alex
Nasi Kandar
                103
                        7.0
                                Pending
                                                 Alex
                                                         Pending Rider
Enter the code of the food to update status > 103
Enter 1) Preparing
Ready > 2
```

View Order History

4						
Nasi Goreng	101	10.5	Delivered	Alex	Sunbeam	Rider
Nasi Lemak	102	8.5	Delivered	Alex	Sumaya	Rider
Nasi Kandar	103	7.0	Ready	Alex	Sumaya	Rider

3) Customer:

LogIn

```
Log in as
1) Customer
2) Restaurant
3) Admin
4) Rider
5) Exit the pr
    Exit the program
Choose your name
1) Alex 2) Mahi 3) Eco
Choose your name
1) Alex 2) Mahi 3) Eco
Logged in as Customer Alex
1) Purchase Food
2) View Order Status & History3) Collect Food from Restaurant4) Sign Out
Input ('1', '2','3' or '4')
```

Purchasing Food

```
1) Purchase Food
View Order Status & History
Collect Food from Restaurant
4) Sign Out
Input ('1', '2','3' or '4')
A) Restaurant Mamak
Code
        Price(RM)
                         Item
101
        10.5
                         Nasi Goreng
                         Nasi Lemak
102
        8.5
103
                         Nasi Kandar
        7.0
A) Restaurant Mcd
Code
        Price(RM)
                         Item
201
        8.5
                         Chicken Burger
202
                         Cheese Burger
        9.5
203
        11.0
                         Beef Burger
A) Restaurant Arab
Code
        Price(RM)
                         Item
301
                         Lamb Kabsa
        11.0
302
        9.5
                         Chicken Kabsa
                         Mundi Chicken
303
        12.5
A) Restaurant MAMAK
B) Restaurant MCD
C) Restaurant ARAB
First Choose a Restaurant (Input 'A', 'B'or 'C' )
A) Restaurant MAMAK
B) Restaurant MCD
C) Restaurant ARAB
First Choose a Restaurant (Input 'A', 'B'or 'C' )
>a
A) Restaurant Mamak
Code
       Price(RM)
                       Item
101
       10.5
                       Nasi Goreng
                       Nasi Lemak
102
       8.5
103
        7.0
                       Nasi Kandar
Choose the code to purchase:
```

Requesting for Order Collecting method as soon as Ordered

```
A) Restaurant Mamak
          Price(RM)
Code
                              Item
                              Nasi Goreng
101
          10.5
102
          8.5
                              Nasi Lemak
          7.0
103
                              Nasi Kandar
Choose the code to purchase: 103
Choose
1) Self Collect from Restaurant
2) Get Delivered
A) Restaurant Mamak
      Price(RM)
                     Item
101
      10.5
                    Nasi Goreng
102
      8.5
                    Nasi Lemak
103
      7.0
                    Nasi Kandar
Choose the code to purchase: 103
Choose

    Self Collect from Restaurant

2) Get Delivered
> 2
Log in as
1) Customer
2) Restaurant
3) Admin
4) Rider
5) Exit the program
```

View Order Status And History

```
Purchase Food
2) View Order Status & History
3) Collect Food from Restaurant
4) Sign Out
Input ('1', '2','3' or '4')
Nasi Goreng
                        10.5
                                Delivered
                101
                                                 Mamak
                                                         Sunheam Rider
Nasi Lemak
                102
                        8.5
                                                         Sumaya Rider
                                Delivered
                                                 Mamak
Nasi Kandar
                103
                        7.0
                                Pending
                                                 Mamak
                                                         Pending Rider
```

Collecting Food From Restaurant

```
Purchase Food
  View Order Status & History
3) Collect Food from Restaurant
4) Sign Out
Input ('1', '2','3' or '4')
>3
Nasi Goreng
               101
                       10.5
                               Delivered
                                              Mamak
                                                      Sunbeam Rider
                                                      Sumaya Rider
Sumaya Rider
Nasi Lemak
               102
                       8.5
                               Delivered
                                              Mamak
Nasi Kandar
               103
                       7.0
                                              Mamak
                               Ready
Nasi Lemak
               102
                       8.5
                               Ready
                                              Mamak
                                                      Pending Collect
Enter the code of the food to collect >
>2
                                        Delivered
Nasi Goreng
                    101
                              10.5
                                                            Mamak
                                                                       Sunbeam Rider
Nasi Lemak
                              8.5
                                        Delivered
                    102
                                                            Mamak
                                                                       Sumaya
                                                                                 Rider
Nasi Kandar
                              7.0
                    103
                                        Ready
                                                            Mamak
                                                                       Sumaya
                                                                                 Rider
Nasi Lemak
                    102
                              8.5
                                        Delivered
                                                            Mamak
                                                                       Alex
                                                                                 Collect
```

4) Rider

- Customer
- 2) Restaurant
- Admin
- 4) Rider
- Exit the program >4

5)

Logged in as Rider

Choose your identity

- 0) Sumaya
- 1) Sunbeam
- Rasul

Delivering An Order

```
1) Deliver an Order
View OrderStatus & History
3) Check my turn
                                 Delivered
                                                                  Sunbeam Rider
Nasi Goreng
                101
                        10.5
                                                 Mamak
                                                          Alex
Nasi Lemak
                102
                        8.5
                                 Delivered
                                                 Mamak
                                                          Alex
                                                                  Sumaya Rider
Lamb Kabsa
                301
                        11.0
                                 Delivered
                                                 Arab
                                                          Mahi
                                                                  Sunbeam Rider
Chicken Kabsa
                302
                        9.5
                                 Delivered
                                                 Arab
                                                          Mahi
                                                                  Sumaya Rider
                        8.5
Chicken Burger
                201
                                 Delivered
                                                 Mcd
                                                          Eco
                                                                  Sunbeam Rider
                        9.5
Cheese Burger
                202
                                 Delivered
                                                 Mcd
                                                          Eco
                                                                  Sumaya Rider
                                 Ready
Nasi Kandar
                103
                         7.0
                                                 Mamak
                                                          Alex
                                                                  Sumaya
                                                                          Rider
Enter the code to deliver the order > 103
```

View Order Status

```
1) Deliver an Order
  View OrderStatus & History
3) Check my turn
Nasi Goreng
                        10.5
                                Delivered
                                                 Mamak
                                                         Alex
                                                                  Sunbeam Rider
Nasi Lemak
                102
                        8.5
                                Delivered
                                                 Mamak
                                                         Alex
                                                                  Sumaya Rider
Lamb Kabsa
                301
                        11.0
                                Delivered
                                                 Arab
                                                         Mahi
                                                                  Sunbeam Rider
Chicken Kabsa
                                Delivered
                302
                        9.5
                                                         Mahi
                                                                  Sumaya Rider
                                                 Arab
Chicken Burger
                201
                                                 Mcd
                        8.5
                                                                  Sunbeam Rider
                                Delivered
                                                         Eco
Cheese Burger
                202
                        9.5
                                Delivered
                                                 Mcd
                                                         Eco
                                                                  Sumaya Rider
Nasi Kandar
                        7.0
                                Delivered
                                                 Mamak
                                                         Alex
                                                                  Sumaya Rider
```

Check Riders Turn

```
1) Deliver an Order
2) View OrderStatus & History
3) Check my turn
3
Queue: [Sunbeam, Rasul, Sumaya]
Choose your name (Index starts from 0)> 1
Your turn is after '1' riders
```