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Section B.

**Restaurant Management System:**

**Classes:**

1. **Person:**

Attributes:

* Name
* Address
* Phone number

1. **Employee:**

Attributes:

* Name
* Address
* Phone number
* Riders
* Employee id
* Id list

1. **Customer:**

Attributes:

* Name
* Address
* Phone number
* Order number
* Bill
* Cash
* Cart
* Change

1. **Item:**

Attributes:

* Item number
* Item name
* Item price

1. **Menu:**

Attributes:

* Item
* Menu list

1. **Order:**

Attributes:

* Item number
* Item name
* Item price
* Quantity
* Rider
* Menu
* Cart
* Total price
* Status
* Rider

1. **Feedback:**

Attributes:

* Name
* Phone number
* Feedback text

**Menu:**

Program will start with the following option:

Press:

A: Customer

B: Employee

If the user **chooses A**:

A Menu will be displayed to him with items available.

He/She will be given the following options:

1: Order Now!

2: Display current order details!

3: Contact us!

4: Provide feedback!

5: Exit.

if the user chooses 1, He/she will be given the following options:

1: Add to cart.

2: Remove from cart.

3: View items in cart.

4: Proceed to checkout.

If user chooses 1, he/she will be asked for the item number and the item will be added to cart.

If user chooses 2, he/she will be asked for the item number and the item will be removed from the cart.

If user chooses 3, the items in his cart will be printed.

For all these 3 options the menu above will be displayed.

If user chooses 4, the user will be asked for name, address and phone number, the total bill will be displayed and payment will be charged.

If the user chooses 2, He/she will be asked for the order number and the order details will be printed.

If the user chooses 3, contact details of will be given.

If the user chooses 4, He/she will be asked for name, phone number, address and then the feedback will be inputted.

If the user chooses 5, the program will be exited with a thank you note.

If the user **chooses B** He/she will be asked for employee id.

After that, these options will be given:

1: Edit menu.

2: Display all orders.

3: Display a specific order:

4: Set Status of a specific order.

5: Set Rider for a specific order.

6: Display total Revenue.

If the user chooses 1, He will be able to edit the current menu and the following options will be shown:

1: Add to menu.

2: Delete from menu.

3: Edit price of an item.

If the user chooses 1, he will be allowed to add to menu. By inputting the item number, item name, and item price.

If the user chooses 2, he will be asked to enter item number. The item will be deleted then.

If the user chooses 3, he/she will be asked for item number, then he/she will can update the price.

If the user chooses 2, orders of all customers will be displayed.

If the user chooses 3, the user will be asked for an order number and the details of that order will be displayed.

If the user chooses 4, the user will be asked for an order number and he will be allowed to set the status of an order.

If the user chooses 5, the user will be asked for an order number and he will be allowed to set the rider for an order.

If the user chooses 6, the total money income will be shown.

**Note:** if wrong input is given, an error message will be displayed.