CSC248 – Data Structure Group
Project (20%)

PROPOSAL

List of group members :

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Class of objects with attributes and methods :

Problem statement:

The WARCOFF's owner have a difficult in managing customer data when customer order food and drinks at his cafe. The trouble he had make him hard to collect data for his stock data as capital in the cafe. Addition, he keeps forget his staff members who work for him until today. So our project are providing staff management, customer management and stock management system for the cafe. Customer management are related to stock management which is every time customer ordered food and drinks, the data will update the stock management system. As for the staff management system, the owner and his staff members can manage their own data same as for the stock data management.

Class, attributes, method provided:

1) Class StaffData
   i. **Attributes:** staffID, staffName, contactNo, staffStatus, position, address.
   ii. **Method:** staffInfo(), searchStaff(), countStaff(), addStaff(), removeStaff(), updateStaff().
2) Class PastOrdered
   i. **Attributes:** orderID, itemName, price, totalPrice.
   ii. **Method:** custPastOrdered(), dataForStock(),
3) Class StockData
   i. **Attributes:** itemID, itemName, sales, itemAvailable,
   ii. **Method:** itemAvailable(), updateStock(), removeStock(), updateStock(), addStock()
4) Class CustOrder
   i. **Attributes:** custNum, foodName, drinkName, tableNum, price, totalPrice, payment, balance, membershipDisc, membershipAcc, priceAfterDisc,
   iii. **Method:** calcPrice(), menuOrder(), membershipAccount(), tableNumAvailable(), generateCustNum().

List of processing :

1. Insert / Add data inside list or list node.
2. Remove / Delete data from current list or list node.
3. Search current data from the list or list node.
4. Update current data from the list or list node.
5. Calculate specific data from the list.
6. Generate random number for customer after order.

Name :   Group Class:
ID:

GROUP PROJECT'S EVALUATION (Final Calculated Marks : 20%)

According to the problem given by instructor solve the problem in full program as per requirement.

Total Marks:

Project's proposal (10%)

Tasks	0	1	2	Weight	Total
Object's class	The class propose could not be implemented and not relevant	Lack in some area, can be improved but relevant.	Well defined, can be easily implemented and relevant.	5	/10
Processing 1	Not achievable or below expectation.	Achievable but level of complexity is below expectation.	Achievable and acceptable level of complexity.	5	/10
Processing 2	Not achievable or below expectation.	Achievable but level of complexity is below expectation.	Achievable and acceptable level of complexity.	5	/10
Processing 3	Not achievable or below expectation.	Achievable but level of complexity is below expectation.	Achievable and acceptable level of complexity.	5	/10
Processing 4	Not achievable or below expectation.	Achievable but level of complexity is below expectation.	Achievable and acceptable level of complexity.	5	/10
Processing 5	Not achievable or below expectation.	Achievable but level of complexity is below expectation.	Achievable and acceptable level of complexity.	5	/10
Data in input file	less than 10 records	less than 20 records	Sufficient with more than 20 records	5	/10
TOTAL (70)					