

HACETTEPE UNIVERSITY
DEPARTMENT OF COMPUTER ENGINEERING BBM104



Name : Mehmet Taha

Surname : Usta

Number : 21527472

E~mail : b21527472@cs.hacettepe.edu.tr

Subject : Inheritance,Polymorphism OOP,Java

Programming Language : Java

1. What Do You Use

I created 16 class. I introduced the inputs to the system for solving problem . Then I created a empty output file. I defined the required variables. Then Main.java started reading the files with while loop.Objects were created by reading the files and stored in the arrayslists. When the object inputs to be read are finished, the input specified by the user starts to read.The necessary actions are taken and the result is recorded in output.txt

2. Explain Your Data Structure

First, main.java also reads customer.txt and stores the saved customers into ArrayList. Customer arraylist is in CustomerDAO.class. Then reading the order.txt to get the memorized orders and creating the necessary objects. Order arraylist is in OrderDao.class. After the customer.txt and order.txt are retrieved to memory, the user-defined input file starts to read.

if the line starts with AddCustomer, it creates the customer object and registers it in the CustomerDao Arraylist.

If the line starts with RemoveCustomer, it deletes the customer object and deletes the order object of the customer that was deleted by the OrderDao.update method

if the line starts with CreateOrder, create a new object with OrderDao.add, save it to ArrayList

if the line starts with AddPizza, it creates a pizza object by name. The necessary toppings are added with the addtopping method of the pizza object. If the toppings are more than 3, no extra is added. then add it to the order arraylist

If the line starts with AddDrink, the SoftDrink object is created. Use it later, and the order is added to the ArrayList

If the line starts with PayCheck, Calculate the paycheck of an order. List all pizzas and drinks in the order then calculate the total cost of an order. The value of each pizza object is obtained by the pizza.cost () method. The latest total price is obtained and saved in the output.txt file

If the line starts with List, print the list of customers ordered by name.

all recorded information is written in .txt after user-defined input file operations are finished.

the information in the customers list is written back to customer.txt so that it can be read by Main.java.

The information in the orders list is written to order.txt so that it can be read again by Main.java.

