Yongkang Hu

Daniel Ayabe

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| DateInvalidException |
| DateInvalidException() |

(No relations)

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| Date |
| month – int  day – int  year – int |
| Date()  void - setDate()  boolean- greaterOrEqual()  boolean – lessOrEqual()  void – setDay()  void- setMonth()  void – setYear()  String – toString()  boolean – leapYear()  int/String – static thrower |

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| RandomFileInput |
| None |
| None |

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| NegativeOrderAmountException |
| NegativeOrderAmountException() |

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| OrderSystems |
| ArrayList<Order> - orderSystem |
| OfficeSupplyOrderSystem()  void – addOrder()  int – getSize()  Order – getOrderByID()  void – listAllOrders(Date, Date)  void – listAllOrders(String)  void – listAllOrders(int, int)  double – sumAmount(int,int)  double – sumAmount(Date, Date)  double – sumAmount(String) |

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| Repeated Order |
| int – period  Date – endDate |
| RepeatedOrder()  RepeatedOrder() – copy constructor  int – getPeriod()  Date – getEndDate()  void – setPeriod()  void – setEndDate() |

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| Order |
| int – orderID  String – customerID  String – productID  Date – orderDate  Double - amount |
| Order()  Order() – copy constructor  int – getOrderID()  String – getCustomerID()  String – getProductID()  Date – getOrderDate()  double – getAmount()  void – setCustomerID() |

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| Test Case | Method/Class Used | Input/Parameters | Explanation | Expected Output |
| Load Orders by File Name | User Interface | User Input – “1”  String – “file name” | User inputs file name and the user interface scans each line of file to print them out. | Examples:  O,OrangeInc.,A1,6/25/2004,5  O,Macrohard Inc.,A1,6/3/2003,2  R,Orange Inc.,B1,3/22/2001,6,30,4/25/2001 |
| Add order/repeated order | addOrder() | User Input – “2”, “1” to add Order and “2” for Repeated Order  String – CustomerID, ProductID  Int – month, day, year  Double – orderAmount  If Repeated Order:  Int – period  Int – ending month, -day, -year | User specifies to add order or repeated order. User inputs the order information and user interface calls addOrder() to add to arraylist. | N/A |
| List orders by CustomerID | User Interface | String - CustomerID | User inputs CustomerID and UI loops and searched for orders with that ID into a separate arraylist. Gets sorted by date. | Example:  “4”  Enter a CustomerID to list orders.  Y  O=2 | C=Y | P=A1 | D=1/1/2000 | A=34.0  O=2 | C=Y | P=A1 | D=1/1/2001 | A=34.0 |
| Deletes order by orderID | deleteOrder() | int - orderID | User inputs orderID and UI will search through arraylist and call deleteOrder(). | N/A |
| Prints Inventory Report | User Interface | Int – month  OR  Int – year  OR  String - ProductID | Prints inventory report of orders sorted by input. | Example:  “5”  Press 1 to load by year.  Press 2 to load by month.  Press 3 to load by ProductID.  1  Enter the year.  2000  O=2 | C=Y | P=A1 | D=1/1/2000 | A=34.0 | |