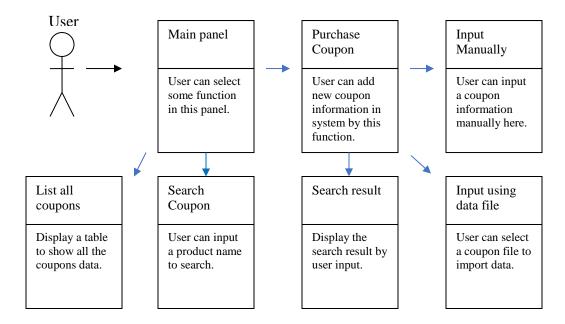
User Operation Document

Introduction

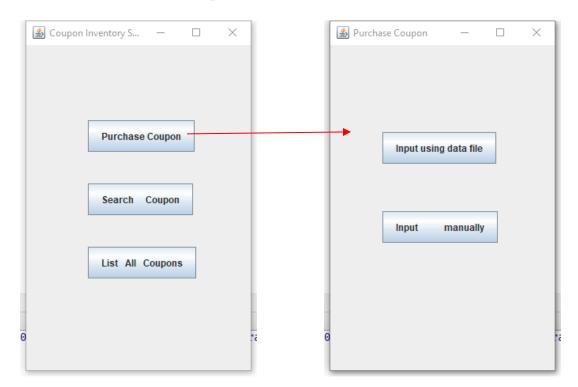
This document introduces the operation method for Coupon Inventory System. The Coupon Inventory System build by java with IntelliJ IDEA, it can be running in the java runtime environment 8, maybe another version is also comparable. It aimed to save many coupon data. User can add coupon data to this system, and it is easy to look up a specific coupon information or list all the coupon data.

Flow Chart:



Main panel

User can open the program using CouponInventorySystem.java. There are three choices in the main panel.

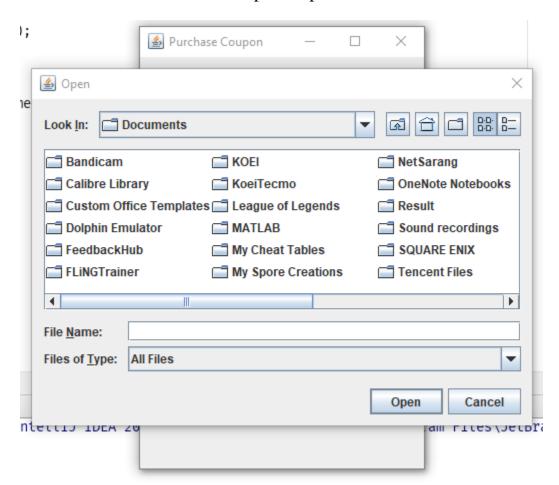


Purchase Coupon

When user click on the "purchase coupon" button, he or she will in this panel, there are two buttons here. User can use this input data by data file or manually.

Input using data file

User can choose a datafile to input coupon data.



Data file

There is a data file example and you can see the data file format here.



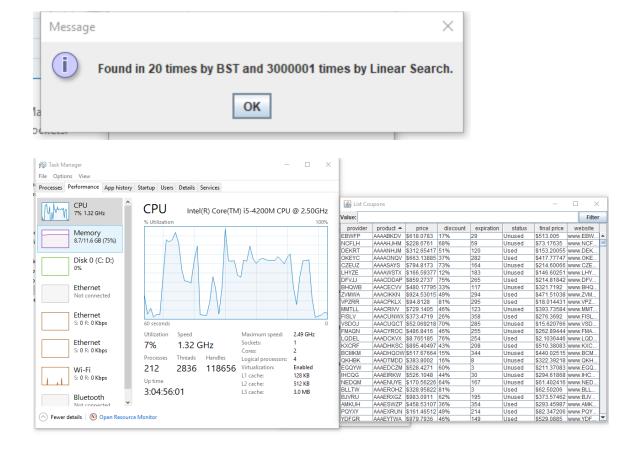
CouponCreate.java

Couponcreate.java is an assistant class to create large number of coupon data.

It is easily to create a custom number of random coupon data.

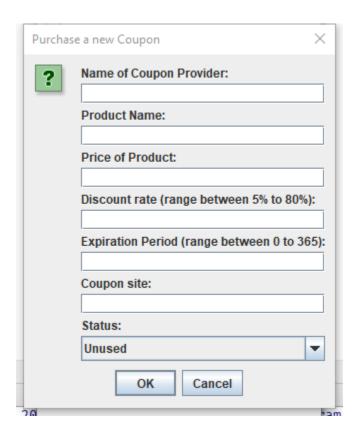
```
public class CouponCreation {
4
5
           public static void main(String[] args) {
6
   •
                CouponCreation cc = new CouponCreation();
7
                ArrayList<Coupon> couponList = new ArrayList<->();
8
                for (int i = 0; i < 3000000; i++) {
9
                    couponList.add(cc.newCoupon());
10
11
                String fileName = "list.txt";
12
                try {
13
                    cc.writeFile(fileName, couponList);
14
15
16
                catch (IOException e) {
                    System.out.println("Wrong Insertion!");
17
18
```

It is convenient to test coupon inventory system.

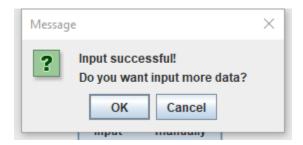


Input manually

User can input a coupon information here manually, there some restrict about input data type, the max range of "Coupon Provider" is 20 bytes. The max range about "Product Name" is 20 characters. The "price of produce " must be a number, such like "100.00, 20.5, 50, 12, 0.01". The "discount rate" shall be a number between 5 to 80, e.g. 10, 20, 35, 70. The "Expiration period" shall be a number between 0 to 365.



When your input is down, it will give a choice to input more or exit.

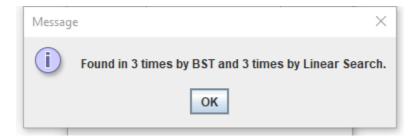


Search Coupon

When user choose the "search coupon" button, it will comes to a search window. User can input a product name to serach some relative couppns.



It will give the count of search from existing list.

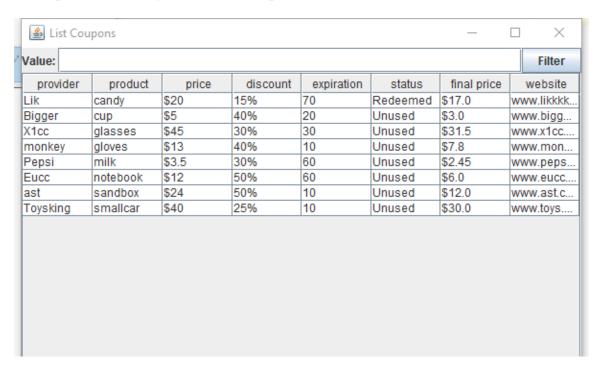


There is the search result table.



List Coupons

The last function is list coupons, when user click on the third button on the main panel, it will give all the coupon data in a table.



User can sort the result by click any label.

