

USER MANUAL

COUPON INVENTORY SYSTEM



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GENERAL GUIDELINES

- 1. The first step on running the program is to add the coupons to the list and then perform other operations.
- 2. Once coupons are added/purchased, then once can search and view the coupons in the system.
- 3. Coupon search is done using both Linear and BST algorithms.
- 4. The file containing the coupon detail must be a text file.
- 5. The order for a coupon written in a file must be as follow- Coupon Provider, Coupon Product it is applied, Product Price, Coupon Discount Rate, Coupon expiry period, coupon status (redeemed/unused) and final price.
- 6. Final Price is the price of the product after applying the discount rate to it.
- 7. The unsorted and sorted coupon list created in the program is created in the directory where the program is being run.

INTRODUCTION

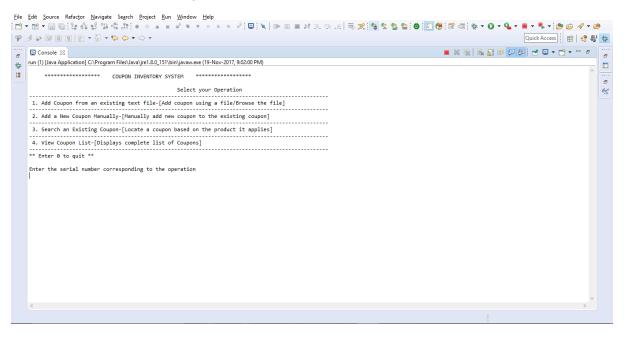
The Coupon Inventory System (CIS) that was developed creates an integrated system to store coupons and perform operations. The code for this program has been written in java. To run the system, there are few java files that needs to be executed on an Integrated Development Environment (IDE). I have used Eclipse IDE, developed by the Eclipse Foundation. There are several other IDE that can be used such as NetBeans, Apache Tomcat, and Linux. You can download Eclipse from https://www.eclipse.org/downloads/. You will need an up and running IDE to use this system.

There are various operations that can be performed with the software. Following up with the user manual, you can see that there are steps for each operation.

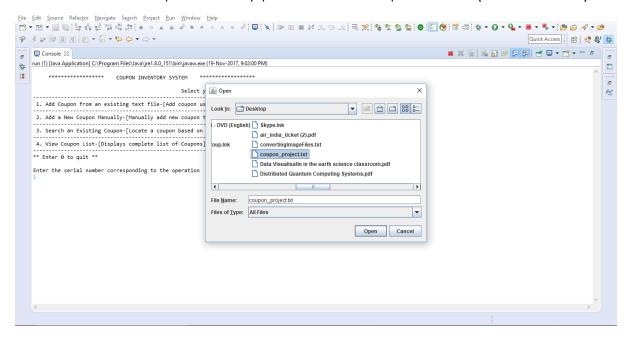
The operations that can be performed are adding coupons from a file, adding coupons manually, searching for a coupon and viewing coupon.

ADDING A COUPON - FILES

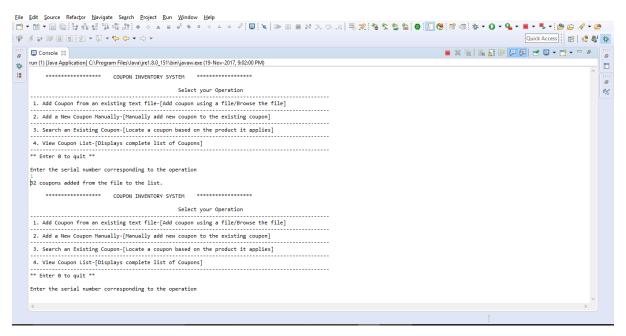
Step 1: Execute the run.java file.



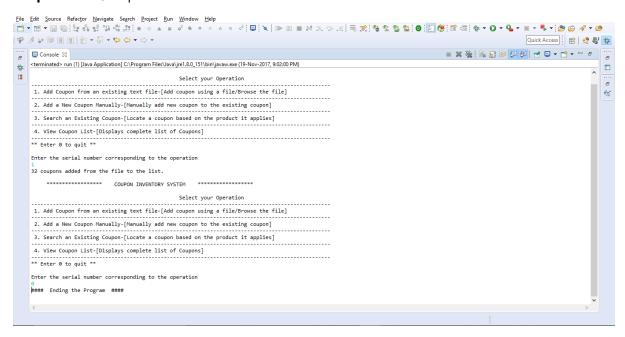
Step 2: From the menu display, enter 1 to add coupons from file. There is a dialog box that opens. Select and open the text file that has coupon details in the order as- Coupon Provider, Coupon Product, Product Price, Coupon Discount Rate, Coupon Validity period, and Coupon Status (used/unused).



Step 3: It outputs that the number of coupons added to the list

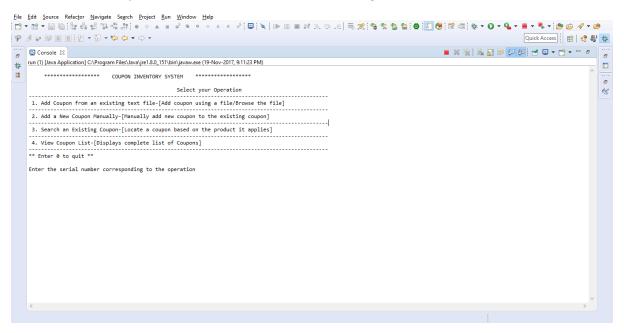


Step 4: To Quit press 0

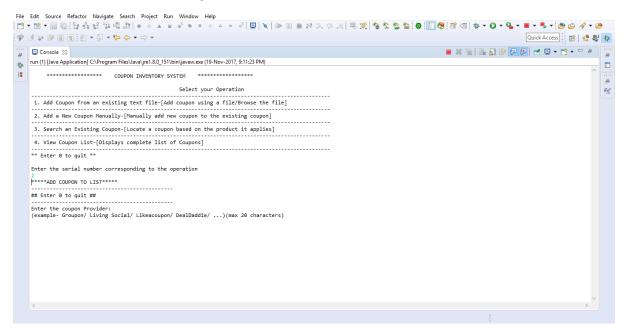


ADDING COUPON- MANUALLY

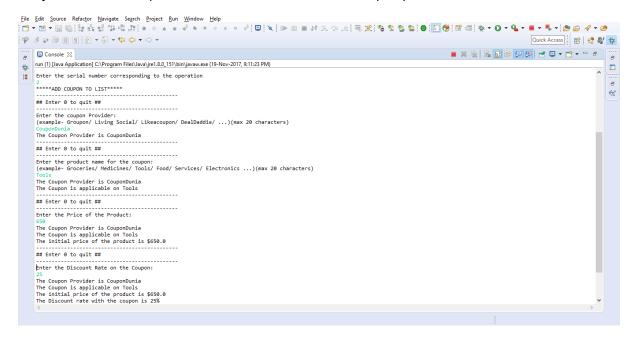
Step 1: Run run.java as performed while adding file.



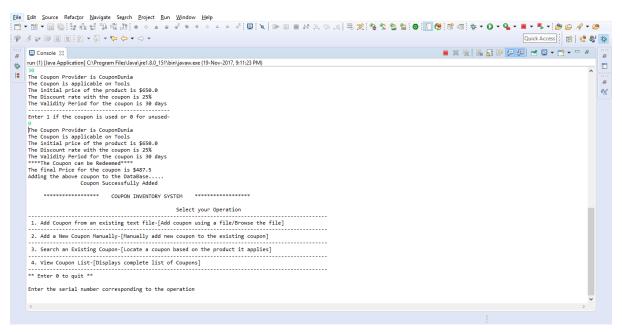
Step 2: Enter 2 for adding coupons manually



Step 3: Follow steps to enter the details as it displays in the console.

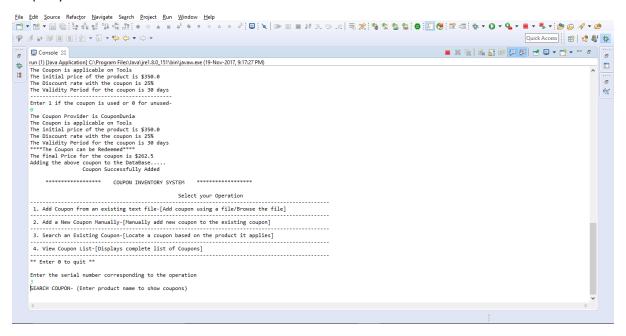


Step 4: Once the coupon has been added to the list, it outputs that the coupon has been successfully added.

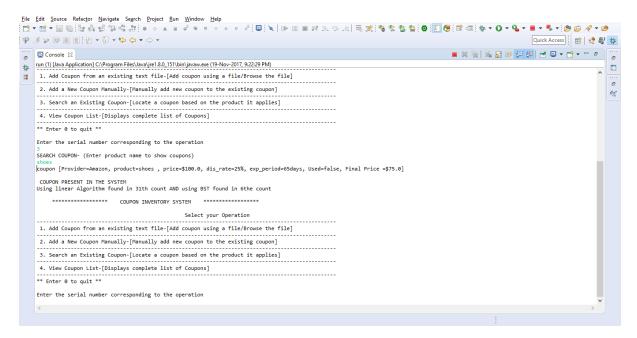


SEARCHING A COUPON

Step 1: Run the program as performed earlier. Enter 3 to search a coupon as displayed in the console



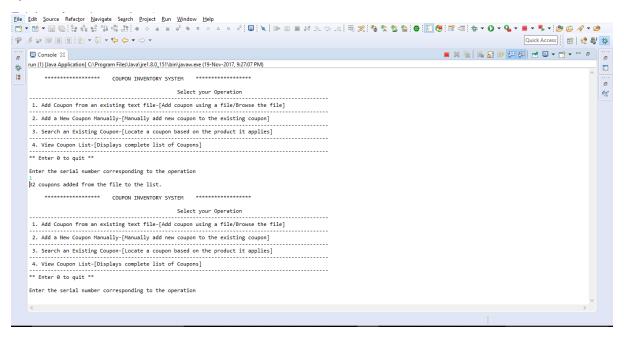
Step 2: Enter the product of the coupon you want to search. E.g. - shoes



As seen in the console, the coupon is found and displays it. It also displays the search algorithm counts that resulted the search.

VIEWING A COUPON

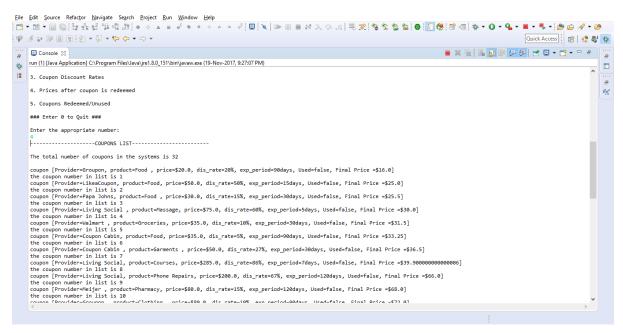
Step 1: Run the run.java file as performed earlier and add coupons to the system.



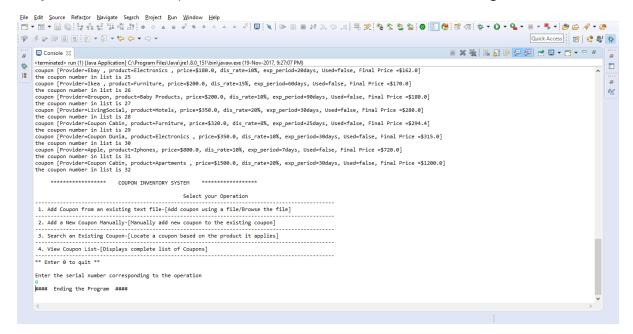
Step 2: Enter 4 to view the coupon in the system

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10 李 11	Console SS COUPON INVENTORY SYSTEM COUPON INVENTORY SYSTEM	^	e [e
	Select your Operation		€€
	1. Add Coupon from an existing text file-[Add coupon using a file/Browse the file]		
	2. Add a New Coupon Manually-[Manually add new coupon to the existing coupon]		
	3. Search an Existing Coupon-[Locate a coupon based on the product it applies]		
	4. View Coupon List-[Displays complete list of Coupons]		
	** Enter 0 to quit **		
	Enter the serial number corresponding to the operation 4 **** VIEW COUPONS ****		
	Sort using 1. Coupon Provider		
	2. Coupon Product		
	3. Coupon Discount Rates		
	4. Prices after coupon is redeemed		
	5. Coupons Redeemed/Unused		
	### Enter 0 to Quit ###		
	Enter the appropriate number:	Ų	

Step 3: Based on your operation you can view coupons in ascending order based on any of the shown parameter. For now let's take final price. So enter 4.



Step 4: The list of coupon can be seen from lowest order to highest.



To terminate the program, enter 0.