

Software Specifications

The Coupon Inventory System currently works on the IDE named "Eclipse" version name, "neon". The software consists of function to add the coupons to the system, list a coupon and others. A specific coupon consists of following fields-

1. Coupon Provider [20 Characters]-such as Amazon, Ebay, Dominos, Nike, etc.
2. Coupon Product [20 characters]- such as Electronics, Groceries, Food, Garments, etc
3. Coupon Price
4. Coupon Discount Rate
5. Coupon Expiration period[in days]
6. Coupon validity[Redeemed/Unused]
7. Coupon Final Price- Final price is the price of the coupon after the discount rate is applied to the price of the coupon.

With all the fields to a coupon, the coupon can be perform the following tasks-

1. Add coupon from a text file to the Linked List based list implementation.
2. Manually add each coupon to the system.
3. Sorts the coupon added to the system.
4. Search the list for a particular coupon.
5. View Coupons based in ascending order of their fields with the command from the user.