

COMPILATION AND RUNNING INSTRUCTIONS

Before compiling and running Phase3.java, zipcode.csv and jsoup-1.8.1.jar (can be found at <http://jsoup.org/download>) have to be in the same directory as Phase3.java. Java has to be installed and set in your PATH system variable.

if you are using Windows compile by entering the following command into the command prompt:

```
javac -cp .:jsoup-1.8.1.jar Phase3.java
```

To run program in Windows, enter:

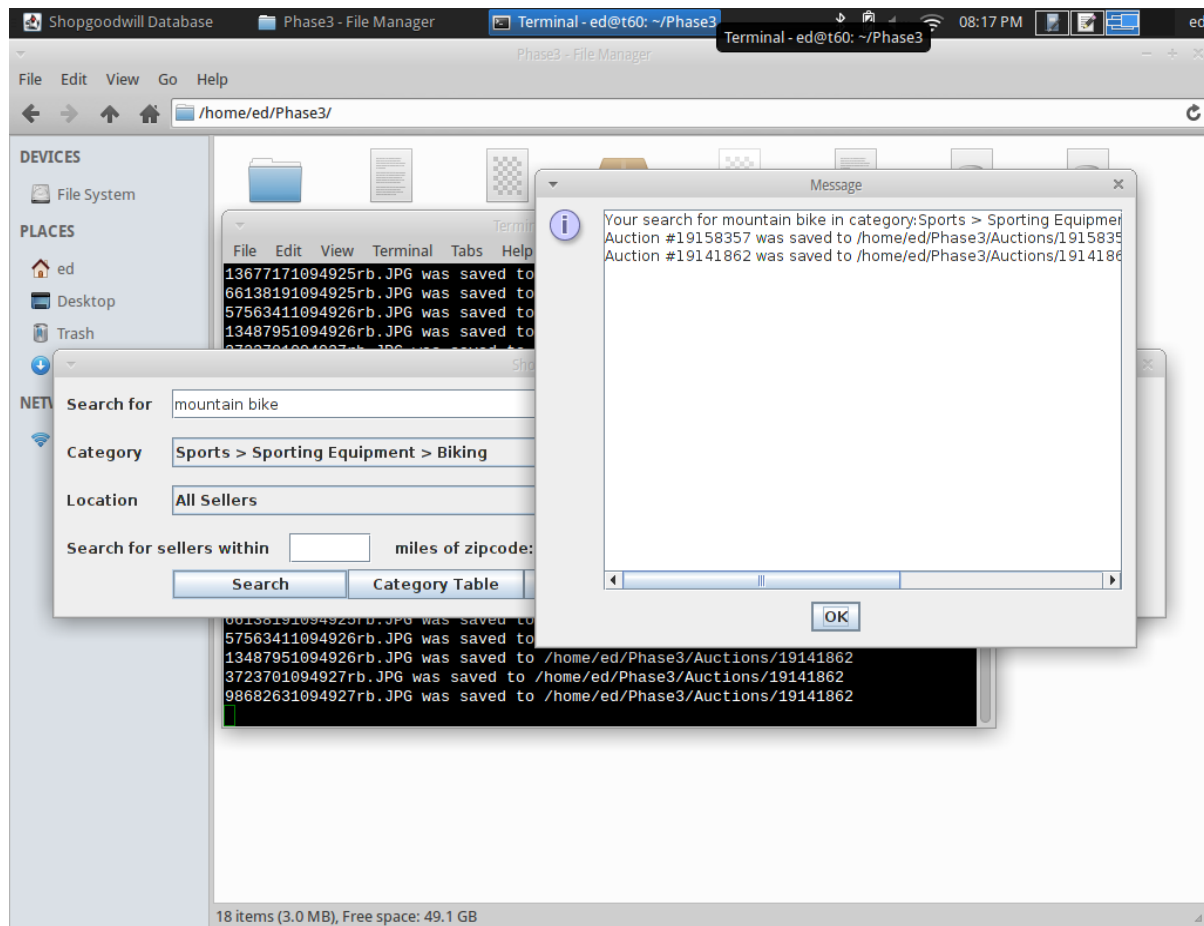
```
java -cp .:jsoup-1.8.1.jar Phase3
```

if you are using Linux/Unix, compile by entering:

```
javac -cp .:jsoup-1.8.1.jar Phase3.java
```

To run the program in Linux/Unix, enter:

```
java -cp .:jsoup-1.8.1.jar Phase3
```



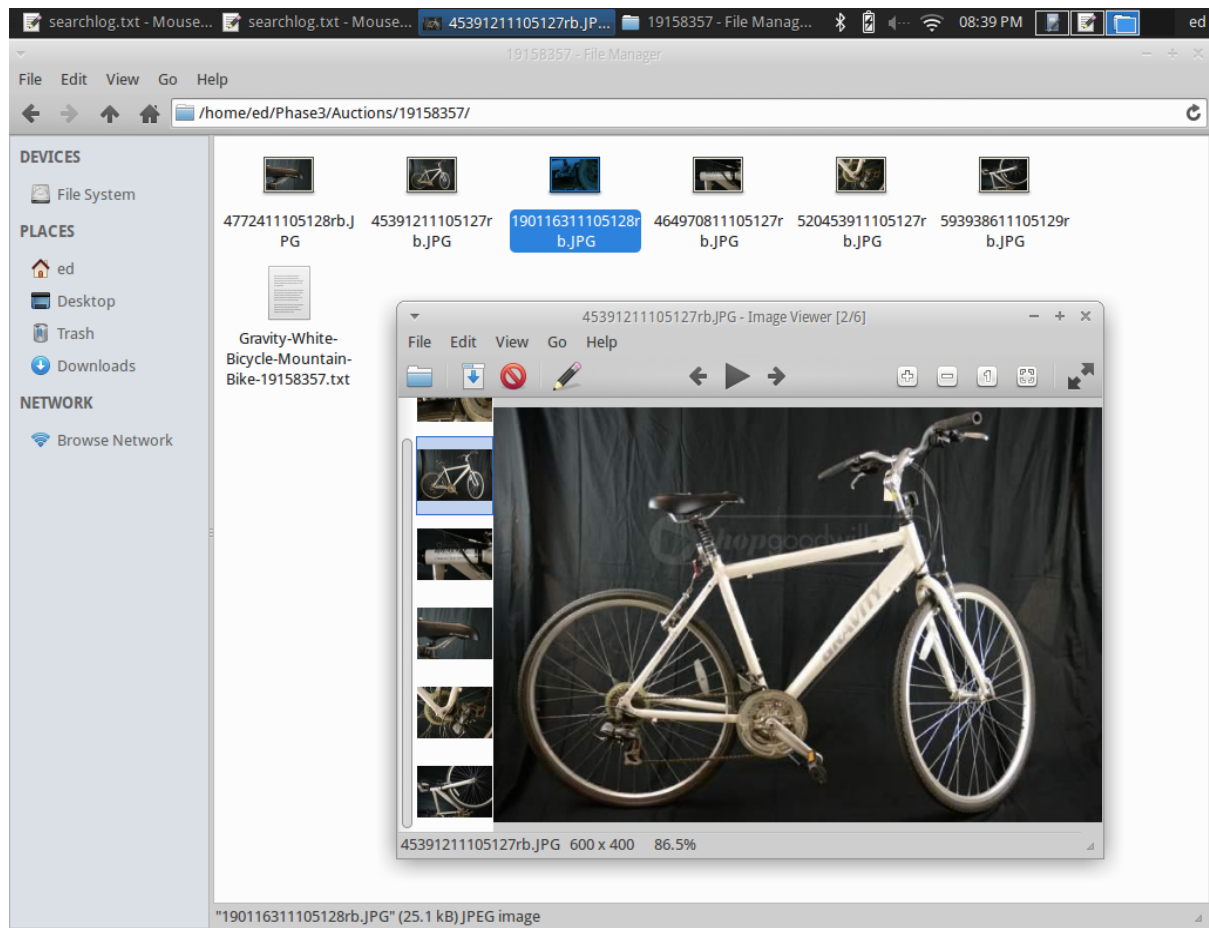
Use the search field to enter phrases that you want items in the shopgoodwill.com database to match.

Use the category drop-down menu to search for categories or subcategories you want the item to be in.

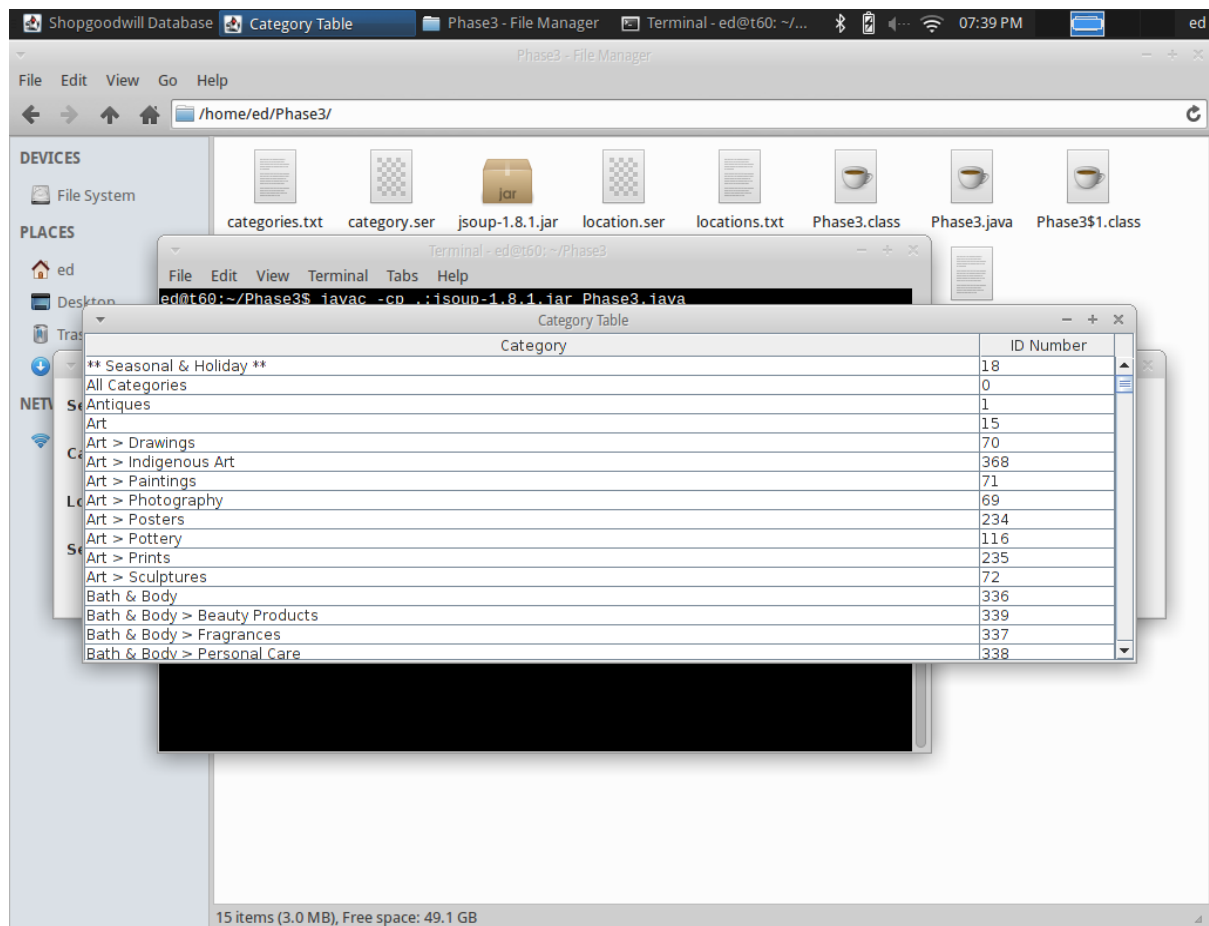
Use the location drop-down menu to search for sellers in specific cities/states.

If you chose to search for sellers based on distance (in miles) from a zipcode (by entering a valid number of miles in the field next to “Search for sellers within” and by entering a valid zipcode in the field next to “miles of zipcode:”), the location selected in the drop-down menu will be ignored and only the phrase entered in the search field and the category selected in the drop-down menu will be counted as additional criteria for the search.

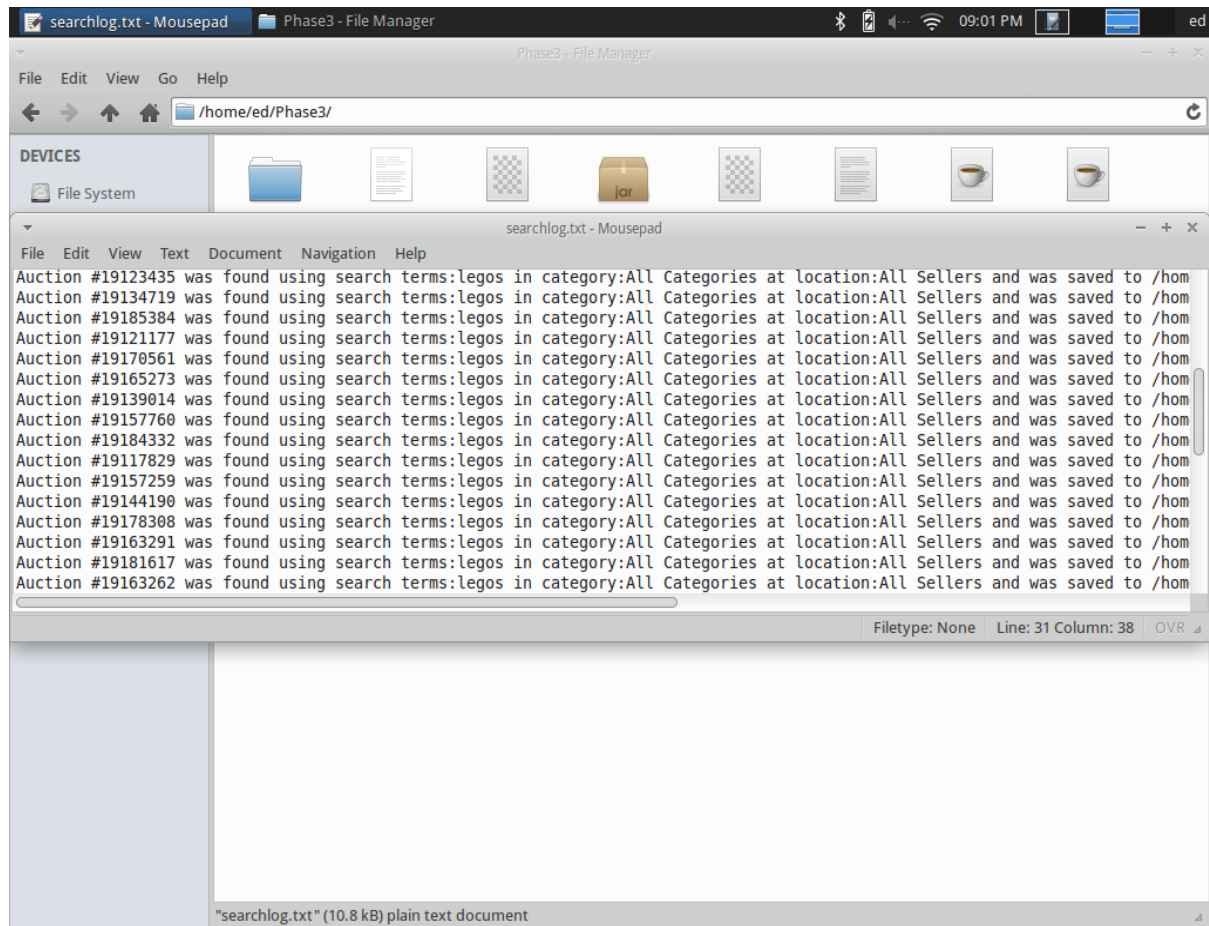
After all search results have been processed, there will be a message that says which auctions (identified by their auction ID number) matched the search criteria and to which directory they were saved. The auctions will be saved to a directory named Auction in the current working directory and each processed function will have its own directory(named after the auction ID number) in the Auction directory.



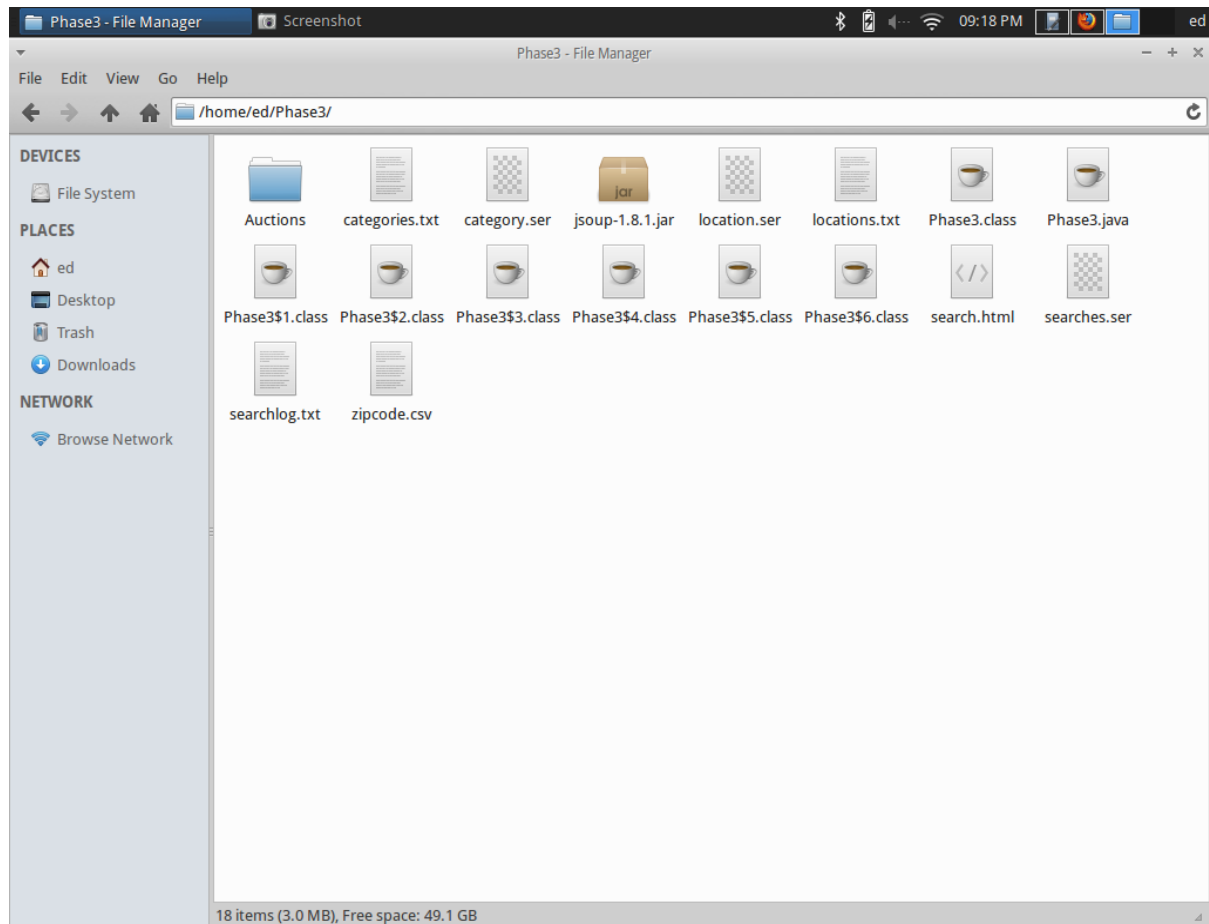
The directory for each auction will have all the images from the auction page and a text file (named after the html filename of the auction page) with all the text from the auction page.



The category/location button on the GUI window can be pressed to bring up a table with all the category/location names and their value assigned by shopgoodwill.com

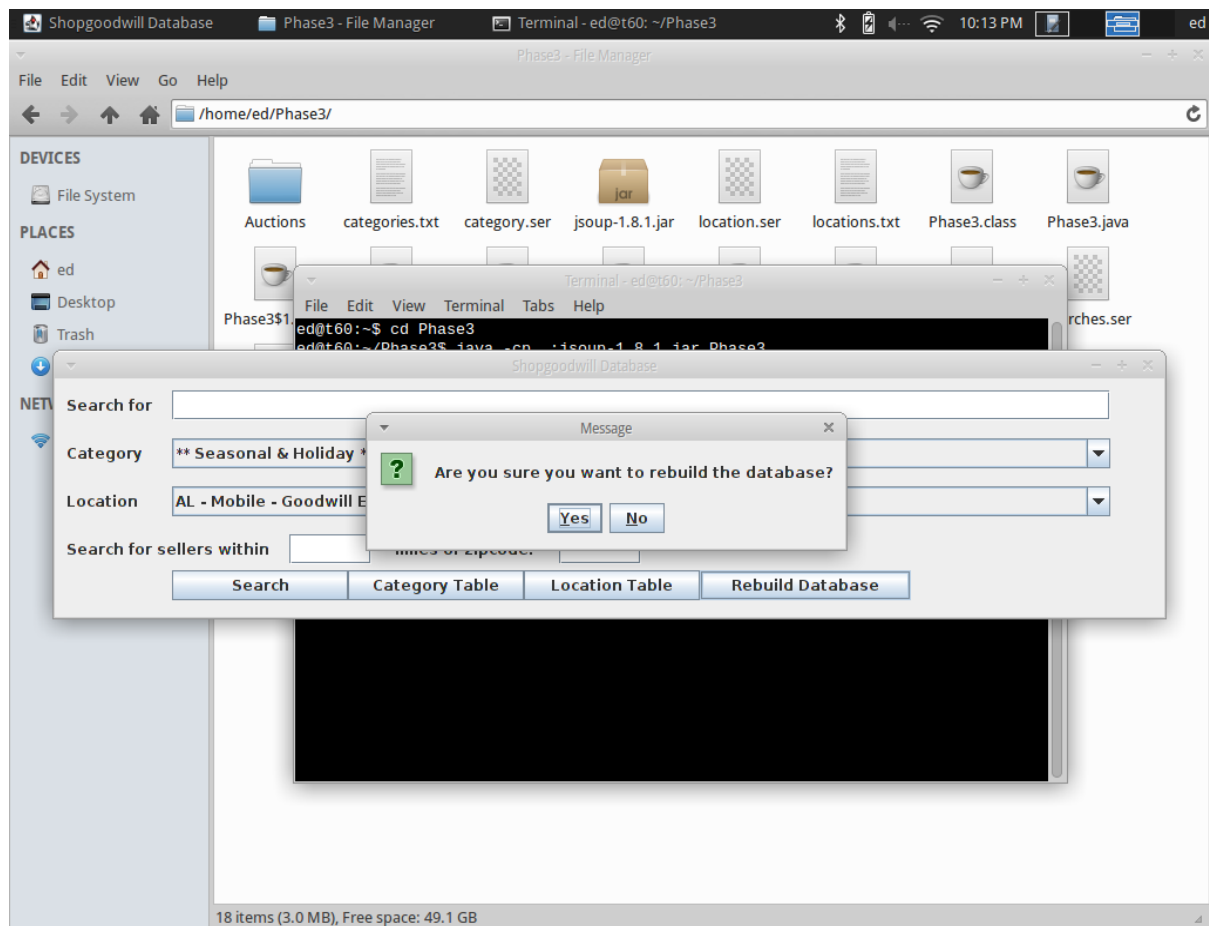


A searchlog.txt file will be created in the current working directory. When the program is closed, all information about auction that were searched for and saved to the auctions directory will be stored in searchlog.txt. This information includes the auction number, the search terms used to find the items, the category chosen for the search, the location /seller of that the item was found in, the absolute path of where the auction information was saved to, the number of images that were saved and the date and time that the search was made.



A `category.ser` file and `location.ser` file will be created when running the program if the files are not already in the current working directory. When the files are created, the program connects to `shopgoodwill.com` and stores information about the categories and locations (their names and assigned id numbers) in the files. The stored information about the categories and locations is used in the program. These files should not be erased.

A `searches.ser` file will be created in the current directory to store all information about auctions as they are being searched for and process. The `searches.ser` file stores the auction ID number (so that the auction can be retrieved) and all the information about the file when it was first saved (the same information that would be output to the `searchlog.txt` about an auction after a search). The `searches.ser` file should not be deleted because it can be used to recreate the Auction directory and restore the `searchlog.txt` file even if the user has deleted them.



If the auction directory was deleted by the user, the user can press the rebuild database button on the GUI to retrieve all the auctions again as long as the user has the searches.ser file in the current working directory. All the auctions stored in searches.ser will be retrieved once again from shopgoodwill.com. All stored information about the auctions will be output to the searchlog.txt file (searchlog.txt will be created if it was deleted).

