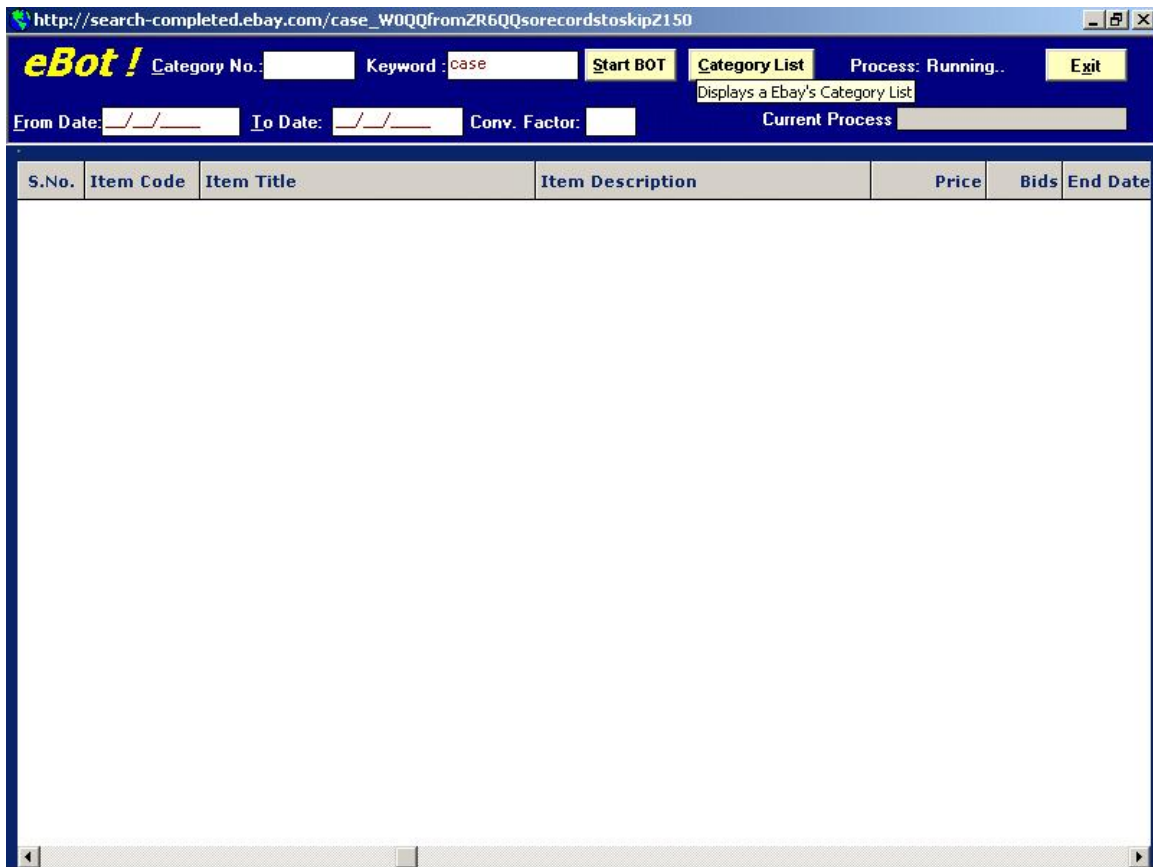


# eBot



## Summary:

Proprietary eBay auction results bot (“eBot”) that can run automatically and collect and export additional data from eBay and eBay Motors categories, including auction descriptions.

## Preferred Languages:

Network Query Language (NQL), Java, PERL, VB or C#

## Project Description:

eBot will be a standalone Windows desktop application. It should have a graphical user interface (GUI) similar to Hammertap’s DeepAnalysis (free download at <http://www.hammertap.com/deepanalysis/>).

eBot will perform the following ways:

**TYPES OF ANALYSES:** eBot will collect data from [www.ebay.com](http://www.ebay.com) using the results of embedded keyword searches or searches of entire categories and sub-categories. User will designate whether bot is to run a **KEYWORD SEARCH** or a **CATEGORY SEARCH**. If a **KEYWORD**, the keyword will be entered. eBot will collect data for completed and sold auctions only, rather than current auctions or completed auctions where item did not sell.

**ITEMS ONLY:** eBot will collect and display data on items only, and will not display overall search statistics or aggregate statistics for individual sellers.

**SOLD AUCTIONS:** EBot will only collect data from items that resulted in a sale.

**AUTOMATIC EXECUTION:** EBot will be able to automatically execute on a specified schedule. EBot searches will be saved and launched on a schedule, based on the following workflow: a dedicated computer launches EBot at the scheduled time, upon completion EBot stores the data to a file. At the developer's option, all or part of this automation may be conducted by a third-party Windows application that is able to control EBot and the windows desktop computer on which it runs. If developer chooses to have this automation done by a third-party application, Developer will provide the application and scripts necessary to make it run.

**DATE RANGE:** By default, eBot will crawl ALL completed auctions matching the keyword or category number and will store only those that resulted in a sale. Optionally, eBot will include the ability to specify a date range for crawling completed auctions.

**EXPORT FEATURE:** EBot will automatically export item data to tab-delimited file format for later import into our data analysis program. The output filename will, by default, be "CategoryNumber\_MM-DD-YYYY.tab or Keyword\_MM-DD-YYYY.tab."

**DATA FIELDS:**

eBot will create a tab-delimited text file with following data fields as columns and each item representing a row:

ItemNumber – the eBay id number

Headline – This is the item title or Headline.

FinalPrice – the final sale price of the item (the sale price of one item if a Dutch auction)

Bids – the number of bids received. May not be included for Dutch Auctions and multi-item Buy-It-Now Items.

SoldDate – the date the item sold, format MM/DD/YYYY

CategoryNumber – the eBay category number

Seller – the seller of the item

Buyer – the buyer of the item

DescriptionFull – the complete description of the item, removing any html and javascript.