Category Report

Task Decomp

**Lock Types**: 1 read-only lookups for a Item

**Number of Locks:** One Item schema construct is needed

**Enabling Conditions:** All information enabled by an admin login

**Frequency**: Low- same frequency

**Consistency (ACID):** is not critical, even if the item is being edited by the user

**Subtasks:** All tasks must be done, but can be done in parallel. Mother task is required to coordinate subtasks. Order is not necessary.

Abstract Code

* Admin clicked on ***Category Report*** button from **Main Menu**:
* Run the **Category Report** task: query for information about the item and aggregates information about items by *Category*
* Find all *Categories;* Display Categories’ name in first column
* Find the total number of items in the category; Display total item number in 2nd column
* Find the minimum *Get It Now Price* across all items in the category; Display the minimum *Get It Now Price* in 3rd column
* Find the maximum *Get It Now Price* across all items in the category; Display the maximum *Get It Now Price* in 4th column
* Calculate the Average Price; Display the Average Price in 5th column
* Sort and display each row in alphabetically by *category name*
* If item does not have *Get it now price*, they should be included in

the item count, but their prices should not be part of the min, max, or average prices.

* This report should include both items that have already been sold (the auction has ended) or that are still for sale, but not cancelled auctions.

When ready, user click ***Done*** to go back to **Main Menu**