Top Rated Item Report

Task Decomp

**Lock Types**: 2 read-only lookups: item and rating

**Number of Locks:** Several different schema constructs are 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 ***Top Report*** button from **Main Menu**:
* Run the **Top-Rated Report** task: query for information about the Item and Rating information.
* Find all item with ratings*;*
* Calculate all items with ratings Average Rating (item listings without ratings should not be included in the average rating calculation.)
* Display the top average rating items sorted by average rating (rounded up to one decimal place) descending.
* If there is the event of a tie, sort by name ascending
* In the event multiple items have the same average ratings, the results should still be limited to 10 items.
* Displace the filtered-out (top-10 rated filter rule) items’ names in 1st column
* Displace the filtered-out (top-10 rated filter rule) items’ Average rating number in 2nd column
* Displace the filtered-out (top-10 rated filter rule) items’ Rating Count number in 3rd column
* When ready, user click ***Done*** to go back to **Main Menu**