**{Amazon}**

**Author (s): Landon Leigh Date: 9/10/2019**

**Version: \_\_\_\_\_\_\_\_\_\_\_**

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| **USE CASE NAME:** | Top 10 Popular Items | **USE CASE TYPE** |
| **USE CASE ID:** | 0001 | Abstract: 🗹 |
| **PRIORITY:** | Medium | Extension: 🞏 |
| **INVOKED BY:** | Amazon Business Manager |  |
| **PARTICIPATING ACTORS:** | Amazon Business Manager, Users | |
| **DESCRIPTION:** | Amazon business manager reviews search and purchase history to find the top 10 most popular items that customers search for and buy in a certain region in the past week. | |
| **PRE-CONDITION:** | There must be items in the search and purchase history for that region | |
| **TYPICAL COURSE**  **OF EVENTS:** | **Step 1**: Identify region for review | |
|  | Step 2: View list of searched and purchased items | |
|  | Step 3: Sort by most searched and purchased | |
|  | Step 4: Create list of top 10 items of that region | |
| **ALTERNATE COURSES:** | Sort by least searched and purchased, view searched but not purchased | |
| **POST-CONDITION:** | A list of the top 10 searched and purchased items from last week in a certain region is created. | |

**{Amazon}**

**Author (s): Landon Leigh Date: 9/12/2019**

**Version: \_\_\_\_\_\_\_\_\_\_**

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| **USE CASE NAME:** | Top 10 Popular Items | | **USE CASE TYPE** |
| **USE CASE ID:** | 002 | | **Business Requirements: 🗹** |
| **PRIORITY:** | Medium | |  |
| **SOURCE:** |  | |  |
| **PRIMARY BUSINESS ACTOR:** | Amazon Business Manager | | |
| **OTHER PARTICIPATING ACTORS:** | * Users | | |
| **OTHER INTERESTED STAKEHOLDERS:** | * Amazon higher ups, Amazon CEO, Amazon Owner, Amazon Programmers | | |
| **DESCRIPTION:** | Amazon business manager reviews search and purchase history to find the top 10 most popular items that customers search for and buy in a certain region. | | |
| **PRE-CONDITION:** | Users in region must have searched and purchased items on Amazon. | | |
| **TRIGGER:** | Business manager pulls data for search and purchase popularity | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: Specify region desired | **Step 2**: Narrows items by region | |
|  | **Step 3**: Call for list of recent items | **Step 4**: Returns list of items in last week | |
|  | **Step 5**: Sort list by most searched and purchased | **Step 6**: List is updated and sorted with most searched and purchased at top | |
|  | **Step 7**: Pick out top 10 most popular items | **Step 8:** List of top 10 most searched and purchased items is returned | |
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| **ALTERNATE COURSES:** | System does not find enough items in region | | |
|  | **Step 1**: System returns to region select and tells to pick another region | | |
|  |  | | |
|  | System is sorted to show least popular items | | |
|  |  | | |
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| **CONCLUSION:** | List of top 10 most searched and purchased items in a region is created so the manager now knows the biggest market is in each region for the past week. | | |
| **POST-CONDITION:** | Business Manager must have come out with a top 10 list of most popular items | | |
| **BUSINESS RULES** | * List of top 10 items is to be retrieved each week | | |
| **IMPLEMENTATION CONTRAINTS AND SPECIFICATIONS** | Regions must have enough searches and purchases for the past week to analyze | | |
| **ASSUMPTIONS:** |  | | |
| **OPEN ISSUES:** |  | | |