**Requirement**

***Requirement ID: 3.a.*** *Weekly Orders Report*

**Use Case:** *<<Report Management>>*

**Rationale:** *The customer will need to monitor performance of items ordered to guide his purchasing and management decisions, which items to buy in larger amounts or with greater frequency and which items may be discontinued from the inventory.*

**User Requirement:** *The System shall generate a weekly report of all orders at the end of previous week.*

***System Requirements*:**

1. *The System shall set current week’s inventory levels to the initial value entered when an item is added.*
2. *The System shall query the database at 11:59 PM on Saturdays for inventory and order details.*
3. *The system shall run calculations against current and prior week’s inventory levels.*
4. *The System shall sum the number of orders made from Sunday 12:00 AM till Saturday 11:59 PM.*
5. *The System shall display the sum of each product ordered during the period, from Sunday 12:00 AM till Saturday 11:59 PM.*
6. *The System shall save the data.*
7. *The System shall compare data of previous reports and display the 4-week trends for the number of each product ordered and the number of total products ordered each week.*
8. *The system shall add the report to the database.*

**Acceptance Criteria:** *The user shall be able to view an accurate report of the week’s data each Sunday following the system going into operation.*

**Relates to/Dependencies:** *0.1.a, 0.3.c, 1.a, 2.a, 2.e, 5.a, 5.c*

**Priority:** *Medium/High*

**Team Owner:** *Marlon Lewis*

**Acceptance Test**

**Input**: N/A

**Process**:

**Output**: list of tuples containing number of orders made, number of each product ordered, names of products in the low level, comparison of previous week’s inventory levels compared to current week’s inventory levels, the number of orders for each product each week over the past 4 weeks, and the total number of orders for each week over the past 4 weeks.