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| Use Case: | Item is Scanned |
| ID: | 0001 |
| Summary: | Clerk takes item placed by customer on counter/conveyor belt, locates the barcode on the item, and scans it using the point of sale scanner. |
| Precondition: | Customer has completed shopping |
| Trigger: | Customer places item to be bought |
| Normal Flow: | 1. Item barcode is found 2. Barcode is run over scanner 3. Scanner identifies item 4. Item is added to transaction |
| Alternate Flow: | 1. Item does not have a barcode or barcode does not scan 2. Item is looked up in point of sale system 3. Item is selected in point of sale system 4. Quantity is entered for number of item |
| Post-Condition: | Item scanned and is listed in point of sale system/receipt |

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| Use Case: | All Items are Scanned |
| ID: | 0002 |
| Summary: | Clerk has scanned all items that were placed by customer on counter/conveyor belt |
| Precondition: | Items were available to scan/enter onto receipt |
| Trigger: | No items left to scan |
| Normal Flow: | 1. All items are able to be successfully scanned, located in system or manually added 2. No items are left to add to transaction |
| Alternate Flow: |  |
| Post-Condition: | All items are entered to sale |

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| Use Case: | Total is Calculated |
| ID: | 0003 |
| Summary: | All items have price added together into one total that is seen on point of sale system, but secondary totals are kept based on tax rate category |
| Precondition: | Items have information entered and assigned to barcode |
| Trigger: | As items are scanned, total is adjusted |
| Normal Flow: | 1. Item is scanned 2. Barcode is identified in Point of Sale database 3. Barcode information is returned to Point of Sale location 4. Item name, cost, and identifier are placed into running receipt 5. Cost is added to total with other items |
| Alternate Flow: | 1. Item either cannot be scanned or is not in system 2. Clerk identifies item 3. Price is manually set with chosen “other” name 4. Manually entered cost is added to running receipt |
| Post Condition: | Grand, pre-tax total is generated |

Use Case: Tax is Calculated

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| Use Case: | Tax is Calculated |
| ID: | 0004 |
| Summary: | Secondary totals from Use Case 0003 (Total is Calculated) are used to calculate appropriate tax amounts based on tax category and tax category rates |
| Precondition: | Items have been identified in Point of Sale system as Food or Non-Food. Tax rates have been set in Point of Sale system. |
| Trigger: | All items have been entered to receipt and “Total” button is selected at Point of Sale System by Clerk |
| Normal Flow: | 1. Clerk selects “Total” button 2. Items on receipt are totaled based on Food or Non-Food status 3. Tax rate is calculated for each type 4. Calculates taxes are added to receipt total 5. Grand Total is calculated |
| Alternate Flow: | 1. If transaction is considered tax exempt, then ID number will be taken from customer 2. Clerk will enter Tax Exempt ID number into point of sale system 3. Point of sale system will remove tax from eligible items 4. Adjusted tax total is used to calculate Grand Total |
| Post-Condition: | Grand total is calculated to include total of all items and identified tax rate totals |