Test Matrix

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| calcItemToPounds Test Matrix | | | | | | | |
|  | Test Cases | | | | | | |
| Valid | Invalid | | | Boundary | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Inputs | | | | | | | |
| Number of Items | 2 | -1 | 4 | 20 | 0 | 5 | 4 |
| Conversion Factor | egg | (any) | wrong | (any) | (any) | (any) | (any) |
| Outputs | | | | | | | |
| lbs | 0.22 | -1 | -1 | -1 | 0 | 0 | (max) |
| Error |  | No Items. | Wrong Item. | Max Exceeded. |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| calcWeightOfCart Test Matrix | | | | | | | |
|  | Test Cases | | | | | | |
| Valid | Invalid | | | Boundary | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Inputs | | | | | | | |
| item | egg | -1 | char |  | 0 | (any) | (any) |
| item weight total | 0.22 |  |  |  | (any) | 0 | 25lbs |
| Outputs | | | | | | | |
| Sum total weight | .22lbs | -1 | -1 | -1 | 0 | 0 | (max) |
|  |  | invalid weight | invalid item | max weight exceeded |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| calcCostOfItems Test Matrix | | | | | | | |
|  | Test Cases | | | | | | |
| Valid | Invalid | | | Boundary | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Inputs | | | | | | | |
| Number of Items | 2 | -1 | 4 | 20 | 0 | 5 | 4 |
| Cost Conversion | egg | (any) | wrong | (any) | (any) | (any) | (any) |
| Outputs | | | | | | | |
| total cost | $0.50 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | (max) |
| error |  | No Items | Wrong Item | Max Exceeded |  |  |  |