

Supermarket Simulation Assignment

GROUP 12

Names

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Marks

Item	Mark	Comment
Design Documentation (10)	9	
Class Decomposition (30)	27	
Data structures and algorithms chosen (30)	25	1) Specialized java types such as Vector or ArrayList can be used to replace basic arrays and simplify the coding process. 2) Utilizing subtyping can eliminate some repetitive methods.
Implementation and Execution (30)	25	1) Verbose output should include tags indicating the start and end of a cycle. 2) Fields defined in the classes representing fruit or vegetables can be secured with an access level of <i>private</i> and the appropriate methods provided for access if required. 3) The supermarket's maximum quantity of each fruit is 200 and quantity of each vegetable is 100. 4) The random event of stock spoiling faster results in 1-10% of stock spoilage. Note your calculation will give 1-9%. 5) Customers can buy more than one type of item. Customers will buy 1-20 of a chosen item. Note your calculation will give 1-21. 6) Restocking vendors shouldn't eliminate stock from the previous cycle. 7) The supermarket can attempt to restock needed items from all vendors in a given cycle. 8) Required exceptions can be individually implemented as classes.
Compiling (10)	10	
Naming Conventions (10)	10	1) Indices for loops or arrays should be given meaningful names.
In-Code Documentation (10)	8	1) Some class comments are omitted. 2) Parameter and return descriptions should be provided for method comments.
Total (130)	114	