EEE60104 Programming Techniques

Assignment

Design a program using the C language that can be used in a grocery shop to make the shopping experience better for either the owner or customer. Your program should have the following criteria:

- A maximum of 1 function **MUST** be used in the program and it should be used for a significant purpose in the program. This function must have at least 1 input argument and the value was passed-by-reference. This does not include the main function or the built-in library functions in C programming.

Your report should follow the criteria below:

- Contains a description of how the program can be used in a grocery shop, a flowchart on how your program runs and a thorough explanation of the program codes.
- Flowchart image should be maximum 1 page with Calibri size 11 font.
- The report is limited to a maximum of 20 pages with Calibri size 11 font.

Criteria	**Full Marks After Conversion**	**Marks (10-9)**	**Marks (8-6)**	**Marks (5-3)**	**Marks (2-0)**
Suitability & Creativity	5	The program is highly creative and highly suitable to be used in a grocery store.	The program is moderately creative and moderately suitable to be used in a grocery store.	The program is marginally creative and marginally suitable to be used in a grocery store.	The program is not creative and not suitable to be used in a grocery store.
Flowchart and explanation	4	The flowchart was thoroughly explained	The flowchart was moderately explained	The flowchart was briefly explained	The flowchart was poorly explained
C Program codes	4	>80% - 100% of the program is working	>50% - 80% of the program is working	>20% - 50% of the program is working	0% - 20% of the program is working
Explanation of the codes	7	The codes were thoroughly explained	The codes were moderately explained	The codes were briefly explained	The codes were poorly explained

A = Marks for Suitability and Creativity as a Grocery Store Program
B = Marks for Description & Flowchart
C = Marks for Codes
D = Marks for Explanation of Codes
Marks calculation = (A/10*5) + (B/10*4) + (C/10*4) + (D/10*7)

[Total = 20 marks]