Acme Morning Flower 2.0 – Statement

Acme, Inc. is a holding that encompasses many companies worldwide. One of them is Acme Morning Flower, Inc., which specialises in sending a flower to whoever their customers wish, wherever they wish. The only constraints are that only one flower may be sent to a recipient and that it is delivered at 09:00 o'clock in the morning.

The goal of this project is to perform some maintenance tasks regarding the previous version of project Acme Morning Flower. This document provides an informal description of their requirements; ask your lecturers for clarifications and details.

C-level requirements

Information requirements
- The company is going to offer their customers a special offer: when they place an order, they can decide on whether they wish to send a doughnut to the recipient, at no charge.
- The company is going to manage a small catalogue of doughnuts, regarding which they will store a name, a list of ingredients, and the calories that they provide.

Functional requirements
- A user who can place an order must be able to:
  - Select a doughnut from the catalogue and add it to the order. Note that the doughnut will be delivered at no charge and that a user may opt not to select any doughnuts.
- A user who is authenticated as an administrator must be able to:
  - Manage the catalogue of doughnuts, which includes listing them, modifying them, deleting them, and creating them. Deleting a doughnut means that it is not available in the catalogue, but its information is not actually removed from the database.

Non-functional requirements
- Everywhere a price is shown on the screen, the user must be able to change the currency in which it is displayed. The following minimal currencies must be supported: Euro, American Dollar, Canadian Dollar, Polish Szloties, and Brasilian Reals.

B-level requirements

Information requirements
Intentionally blank.

Functional requirements
- A user who is authenticated as an administrator must be able to:
  - Display a dashboard with the following information:

- The ratio of orders that opt not to include a doughnut.
- The ratio of non-cancelled orders that opt not to include a doughnut.
- The ratio of orders per customer that opt not to include a doughnut.
- The ratio of non-cancelled orders per customer that opt not to include a doughnut.
- The ratio of flowers that are not available.
- The ratio of doughnuts that are not available.

A-level requirements

Information requirements

Intentionally blank.

Functional requirements

- A user who is authenticated as an administrator must be able to:
  - Display a dashboard with the following information:
    - A listing with the credit cards used to pay orders and the number of orders paid with each credit card.
    - The information about the customer/s who has/have placed more orders that were not cancelled.
    - The information about the customer/s who has/have placed more orders that were cancelled.
    - The information about the recipient/s who have got more flowers.
    - A listing of flowers, in increasing order of sales, that is, number of orders that involve them.
    - A listing of doughnuts, in increasing order of sales, that is, number of orders that involve them.