DOMAIN REQUIREMENTS

Our cashier system can be used in different supermarkets; so there’re some constraints should be considered into consideration during the development process to make it clear enough for the developer engineer.

First constraint is that any product should have a barcode which is unique for each item.  
This barcode should have a specific style such that it should contain the company number (i.e. number represents the company name) and another number related to each product

For example:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Company name | Company number | Product name | Product number | barcode |
| X | 0 | A | 0 | 0.0 |
| y | 1 | B | 1 | 1.1 |

Second constraint is that the EEPROM should have a price for each element in the store  
For example:

|  |  |
| --- | --- |
| Barcode | Price |
| 0.0 | 10 EGP |
| 1.3 | 60 EGP |
| 2.3 | 25 EGP |

Third constraint is that the EEPROM content should have the availability to be updated from time to time so that it can cope-up with the recent prices for each product