DESCRIPTION OF DRINK VENDING MACHINE

The vending machine is sold to companies to use it to sell drinks for their employee. The customers have a customized vending card to use in purchasing drinks from the vending machine which they have to login with their already fixed pin to access the machine for transaction. The customer can purchase/buy drink from the vending machine when they have top up their vending card with the maximum amount of £30. The customer uses their bank detail to top up their vending card via payment server. They also have an option to take water free from the machine which is being supplied by the main water supply even without login.

The vending machine is being supported by a maintenance operator who have the following responsibility: refilling the machine with drink, updating files on the hard disk of the machine with the new record of stock available. The system records all the activities of the maintenance operator with his maintenance ID and send a report to the service company. There is also a service operator who has a higher access level of 2 that has the responsibility of conducting repairs on the machine annually or on request of a fault. The service operator can also update the vending machine software whenever there is a new version available from the service company. The system utilizes the service of a communication company for this transmission with the service company. The system also records the entire activity of the service operator and send to the service company when the repairs is completed.

The vending machine keeps track of the available stock in it and send a stock report to the service company when it is running out of stock. Also, any fault the machine has or nonresponsive part, the system sends a fault report requesting the service operator for repair or fixing.

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| **Candidate class** | **keep** | **Reason for keeping or rejecting** |
| Vending machine |  |  |
| Companies |  |  |
| Drinks |  |  |
| Employee |  |  |
| Customer |  |  |
| Login |  |  |
| Transaction |  |  |
| Buy |  |  |
| Top up |  |  |
| Vending card |  |  |
| Maximum amount |  |  |
| Bank details |  |  |
| Payment server |  |  |
| Main water supply |  |  |
| Maintenance operator |  |  |
| Refill |  |  |
| Update |  |  |
| System report |  |  |
| Maintenance ID |  |  |
| Service company |  |  |
| Service operator |  |  |
| Repairs |  |  |
| Communication company |  |  |
| Stock report |  |  |
| Fault report |  |  |
|  |  |  |