**Requirements part2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Status | Risk | Priority | Description | F/NF | Module | ID |
| DONE | LR | MH | The system needs to be able to open supplier account | F | Suppliers |  |
| DONE | LR | MH | The system must manage for each supplier the necessary details: account number, bank account, payment agreement, save contacts and their contact Information | F | Suppliers |  |
| DONE | HR | MH | The system must manage the products which each supplier can supply with their price and catalog number at the supplier | F | Suppliers |  |
| DONE | HR | MH | The system must save for each product of the same supplier a unique catalog number | F | Suppliers |  |
| DONE | HR | NTH | The system may give discount for a supplier base on the number of products in order | F | Suppliers |  |
| DONE | HR | NTH | The system may give discount for a supplier base on the number of specific products in an order | F | Suppliers |  |
| DONE | HR | MH | The system must be able to create a new order from a supplier | F | Suppliers |  |
| DONE | LR | MH | When open an order the system must save the creation date | NF | Suppliers |  |
| IN PROGRES | HR | NTH | The system should transfer the order details to the supplier's system | F | Suppliers |  |
| DONE | LR | MH | The system needs to save for each order who is the deliver, "Super Li" or the supplier | F | Suppliers |  |
| DONE | LR | MH | The system needs to be able to save for supplier Fixed delivery days. | F | Suppliers |  |
| DONE | HR | MH | The system will allow authorized user to update the Product list of a supplier that has fixed delivery days before, each delivery | F | Suppliers |  |
| DONE | LR | NTH | The system should save all the past orders | NF | Suppliers |  |
| DONE | LR | MH | The system will save for every product's his minimal amount using the demand to know if there is enough in stock | F | Storage |  |
| DONE | LR | MH | The system will alert in the case that a product reached its minimal amount | F | Storage | 1. 18 |
| DONE | LR | MH | The system will save all the products and be able to get each product | F | Storage | 1. 19 |
| DONE | HR | NTH | The system will follow products that are out of stock | NF | Storage | 1. 20 |
| DONE | HR | MH | The system will save the locations of every product in the store (storage shelf number, store shelf number) | F | Storage | 1. 21 |
| DONE | LR | NTH | The system will save who is the manufacturer for every product | F | Storage | 1. 22 |
| DONE | LR | MH | The system will save the current amount of every product in the store | F | Storage | 1. 23 |
| DONE | LR | MH | The system will save current amount for every product in storage | F | Storage | 1. 24 |
| DONE | LR | MH | The system will save the price and the cost of every product | F | Storage | 1. 25 |
| DONE | HR | MH | The system will save the current discount for every product | F | Storage | 1. 26 |
| DONE | HR | MH | The system will allow for authorized users to change the discount of every product if it is needed | F | Storage | 1. 27 |
| DONE | LR | MH | The system will be able to create new categories | F | Storage | 1. 28 |
| DONE | HR | MH | The system will save for every category the products that are inside. | F | Storage | 1. 29 |
| DONE | LR | MH | The system will allow authorized users to change the discount of every category | F | Storage | 1. 30 |
| DONE | HR | MH | The system will allow for every category to create new subcategory | F | Storage | 1. 31 |
| DONE | HR | MH | The system will allow for every subcategory to create new sub subcategory | F | Storage | 1. 32 |
| DONE | LR | MH | The system will allow to insert a given product to given categories | F | Storage | 1. 33 |
| DONE | HR | NTH | The system will be able to produce a product report for every product that will include amount in store, amount in storage, minimal amount, if the product needs a refill and how much needs to be ordered so that the amount will be larger than the minimal amount | F | Storage | 1. 34 |
| DONE | HR | MH | The system will be able to produce category reports which includes every product in the category and its details | F | Storage | 1. 35 |
| DONE | LR | MH | The system will allow authorized users to report damaged items | F | Storage | 1. 36 |
| DONE | LR | MH | The system will follow and save the damaged items | F | Storage | 1. 37 |
| DONE | LR | MH | The system will allow to produce a report which includes all the damaged items that were reported | F | Storage | 1. 38 |
| DONE | LR | MH | The system will allow to produce refill report that includes all the products that need to be refilled | F | Storage | 1. 39 |
| DONE | HR | MH | The system will place an order from supplier of a product when the product amount is less than its minimal amount | F | Storage/  Supplier | 1. 40 |
| DONE | HR | MH | In order of fixed delivery days, the system will check a day before the delivery date the supplies in storage and update the amounts in the order according to the storage amount | F | Storage/  Supplier | 1. 41 |
| DONE | HR | MH | When creating a refill order the system will update the order so that every product in the order after the order occurred will have more than the minimal amount | NF | Storage/  Supplier | 1. 42 |
| DONE | HR | MH | Before creating a refill order the system will compare supplier prices for each supplier and will order from the supplier with the cheapest price | NF | Storage/  Supplier | 1. 43 |
| OUT OF SCOPE | HR | MH | The system will save for each employee the days and hours in the week which he can work in | F | Workers | 1. 44 |
| OUT OF SCOPE | HR | MH | The system will save for each employee the roles he can work in | F | Workers |  |
| OUT OF SCOPE | HR | MH | The system will be able to assign the employees to shifts and allow the HR manager to decide who will do each role | F | Workers | 1. 45 |
| OUT OF SCOPE | HR | MH | The system will allow the shift manager to add/remove employees to a given shift | F | Workers | 1. 46 |
| OUT OF SCOPE | HR | MH | The system will allow every employee to sign in the schedule that he can work at and change it if needed | F | Workers | 1. 47 |
| OUT OF SCOPE | LR | MH | The manager will be able to change the details of workers in the system | F | Workers | 1. 49 |
| OUT OF SCOPE | HR | MH | The system will allow to certify employees to different positions | F | Workers | 1. 50 |
| OUT OF SCOPE | LR | MH | The system will display an error message if a shift manager wasn’t assigned to a shift | F | Workers | 1. 51 |
| OUT OF SCOPE | LR | MH | The shift manager is certified to scan a cancellation card in the register | F | Workers | 1. 52 |
| OUT OF SCOPE | LR | MH | The system will allow the manager to manage his employees | F | Workers | 1. 53 |
| OUT OF SCOPE | LR | MH | The system will save for each employee the following details: name, id, bank details, salary, starting date, terms and conditions | F | Workers | 1. 54 |
| OUT OF SCOPE | LR | NTH | The system will allow the manger to add new positions | F | Workers | 1. 55 |
| OUT OF SCOPE | HR | NTH | To every position the system will show a list of people that can be assigned to it | F | Workers | 1. 56 |
| OUT OF SCOPE | HR | NTH | The system will not allow employees to change shifts in which they can work until the shift manager hasn’t done assigning them | F | Workers | 1. 57 |
| OUT OF SCOPE | HR | NTH | The system will save the shift history and details up to six months back | NF | Workers | 1. 58 |
| OUT OF SCOPE | HR | NTH | The system will allow to change shifts between employees | F | Workers | 1. 59 |
| OUT OF SCOPE | LR | MH | The shifts in the system will be divided to morning and evening shifts | NF | Workers | 1. 60 |
| OUT OF SCOPE | LR | MH | In every shift there must be a shift manger | NF | Workers | 1. 61 |
| OUT OF SCOPE | HR | MH | In every shift there will be at least one person in each of following roles: warehouse worker, shelf worker, register worker, driver, shift manger | NF | Workers | 1. 62 |
| OUT OF SCOPE | LR | MH | The manager positions work only in the morning shifts | NF | Workers | 1. 63 |
| OUT OF SCOPE | LR | MH | The system should alert the user if a truck is not suited for the transport | F | Transport | 1. 64 |
| OUT OF SCOPE | HR | MH | the system will save for every destination in transport a document which includes a list of products that are transported to this destination | F | Transport |  |
| OUT OF SCOPE | HR | MH | The system needs to allow the user to create new transport | F | Transport | 1. 65 |
| OUT OF SCOPE | LR | MH | When the truck weight exceeds the max weight, the system needs to alert and allow the user to either change the supplies, destinations or truck | F | Transport | 1. 66 |
| OUT OF SCOPE | LR | NTH | The system will allow authorized user to view all the transport documents that exists in the system | F | Transport | 1. 67 |
| OUT OF SCOPE | LR | MH | The system will save for each supplier and store its transport area | NF | Transport | 1. 68 |
| OUT OF SCOPE | LR | MH | The system should save all the transports created | NF | Transport | 1. 69 |
| OUT OF SCOPE | HR | NTH | The system will manage drivers, trucks, suppliers and sites | F | Transport | 1. 70 |
| OUT OF SCOPE | LR | MH | The system must be able to assign a driver to a truck according to their licenses, truck’s type and availability | F | Transport | 1. 73 |
| OUT OF SCOPE | LR | NTH | The system will save for every transport a transport document that will contain the following details: origin location, destination, date, departure hour, truck number and driver's name | F | Transport | 1. 74 |
| OUT OF SCOPE | LR | MH | Before a truck is leaving the needs to be able to save the weight of the truck in the transport document | F | Transport | 1. 75 |
| OUT OF SCOPE | LR | MH | The system will save for each driver his driving licenses | F | Transport | 1. 76 |
| OUT OF SCOPE | HR | MH | The system will save for every truck its: license plate, module, starting weight (without any additional weight) and maximum weight | F | Transport |  |
| OUT OF SCOPE | LR | MH | The system will save for every site: address, phone number and contact’s name | F | Transport | 1. 77 |
| OUT OF SCOPE | HR | NTH | The system will calculate the total weight of the order after the user finished creating the order | F | Transport | 1. 79 |
| OUT OF SCOPE | LR | MH | The system will save every transport in transport manager | F | Transport |  |
| OUT OF SCOPE | HR | MH | The system needs to allow drivers to be assigned in to shifts | F | Transport/  Workers | 1. 82 |
|  |  |  | The system will check that for transport the driver is assigned to the shift that the transport took place in | F | Transport/  Workers |  |
| OUT OF SCOPE | HR | MH | The system will allow the driver to sign in as worker | F | Transport/  Workers | 1. 83 |
| OUT OF SCOPE | HR | MH | The system will check that for every transport there is a driver assigned to it | F | Transport/  Workers | 1. 84 |
| OUT OF SCOPE | HR | MH | The system will check for each transport that the license of the driver allows him to drive the truck type | F | Transport/  Workers | 1. 85 |
| OUT OF SCOPE | HR | MH | The system will make sure that every time there is a transport there must be a warehouse worker to receive the transport in each shift | F | Transport/  Workers | 1. 86 |
| OUT OF SCOPE | HR | MH | The system must have a database that will store all the necessary details for each module | NF | All modules | 1. 87 |
| OUT OF SCOPE | HR | MH | The system will assign driver for each order from a supplier that super li is responsible for the transportation | F | All modules | 1. 88 |

**Concepts in the supplier – storage module:**

Supplier: someone who supplies products to the store.

Order: a list of products and there amounts that the supplier will provide in a number of days.

Product: a product that the store will sell and manage.

Item: an instance of a product that will have its own expiration date and location in the store.

Authorized user: someone that may interact with the system and do actions such as: make orders, add items and products.

Category: a set of products that have something in common for example: dairy products.

Site: location of super li store or a location of supplier's store/factory.

shift: a time in the day which workers work in.

demand: the average amount a product is sold in a day.

Refill order: an order that was placed because of a shortage in product amount.

Fixed days delivery order: an order that occurs in a fixed number of days.

**Changes that happened in the supplier – storage module:**

1) Added data base, so both modules implemented DAL layer with object mappers.

2) in the storage module we added functions that place order from supplier if needed or if fixed time had passed.

3)In the supplier module we added unique product id to merge product of suppliers with product of storage module.

**Assumptions for the supplier – storage module:**

* The system should not work on Saturday
* The payment between supplier and super li will be made outside of the system.
* The system will be used in the storage office.
* The system will calculate a discount in the following way: First, calculate on the amount of product and then add the discount on the numbers of items in the order.
* The system will allow to make a report whenever an authorized user would like.
* The system will account the damaged items and will not include them in the product amount.
* An item location is determined by if it is in the STOREAGE or in the STORE and by its shelf number.
* Every product can be in only one category
* For every product the discount that applies to it, is the last discount that has entered the system.
* There are only category, subcategory and sub subcategory.
* The demand of a product is the average times it was sold in a given day.