***322482837\_322714320 Practical Assignment 1 Delivery Module***

Requirements and open questions:

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| ID | Module | Functional / | Description | Priority | Risk | Status |
| Non-Functional |
| 1 | Deliveries | non Functional | In the system different shipping zones will be defined to optimize delivery route . | MH | Low | Done |
| 2 | Deliveries | Functional | The system should be notified when item run out of stock and send a delivery to fill it up . | NTH | High | InProgress stock module don’t available yet, so we cant know which item run out.- |
| 3 | Deliveries | Functional | The system will document each delivery into a deliveries management database | MH | Low | Done (currently save information into local memory, later in database) |
| 4 | Deliveries | Functional | The system will alert when the total weight of the delivery is larger than max weight that the truck Is allowed to carry | MH | Low | Done |
| 5 | Deliveries | functional | When the system got weight alert, delivery return to headquarters to reorganization | MH | High | Done |
| 6 | Deliveries | Functional | The system should support changes in shipment according to availability of drivers and trucks. | MH | High | Done |
| 7 | Deliveries | Functional | When the system got weight alert it can switch between trucks | MH | Low | Done |
| 8 | Deliveries | Functional | When the system got weight alert it can remove some of the items from the truck | MH | Low | Done |
| 9 | Deliveries | Functional | When delivery faced weight alert every change should be described in the documentation of the delivery | MH | Low | Done |
| 10 | Deliveries | Functional | The system should divide shipment’s driver by his licence | MH | Low | Done |
| 11 | Deliveries | Non Functional | Each documentation should include date hour of departure truck id driver name and destination. | MH | Low | Done |
| 11 | Deliveries | Functional | Before each shipment the truck should be weighted. | MH | Low | Done |
| 12 | Deliveries | Functional | The system should support updating delivery status by the manager. (done/ cancelled, delayed) | MH | Low | Done |
| 13 | Documentation | Functional | The system should update the documentation when unexpected traffic events happen during the delivery . Examples in the backside of the card. | MH | Low | Done |
| 14 | Operational | Functional | The system should support firing thus drivers and deleting them from the system. | MH | High | Done |
| 15 | Operational | Functional | The system should support getting rid of trucks thus deleting them from the system. | MH | High | Done |
| 16 | Operational | Functional | The system should support altering shipping zones. | MH | High | Done |
| 17 | Shipping Zones | Non functional | Shipping zones in the system will be described by a name and id. | MH | High | Done |
|  | Questions: |  |  |  |  |  |
| Table: |  |  |  |  |  |  |
| # | Topic | Issue | Solution |  |  |  |
| 1. | Work procedure | How to know what truck to send to each mission (according to what rule)? | The manager decide. |  |  |  |
| 2. | Vehicles | How much trucks does the company has? | 5 trucks total |  |  |  |
| 3. | Delivery | In what order inside the shipping zones should the driver go? | By order of index in list. |  |  |  |
| 4 | Delivery | What happen if item stock run out? | An alert will be shown and a shipping of the item should be added to the schedule in the future. |  |  |  |
| 5 | Work procedure | What happen when an error occur during the delivery ( flat tire, traffic etc) | An alert will be shown. |  |  |  |
| 6 | Work procedure | What happen if there are no drivers available? | An alert will be shown. |  |  |  |
| 7 | Shipping zones | How do you describe a shipping zone? | By a name and rank. |  |  |  |
| 8 | Documentation | Do you need to update old sites when their address change? | No. |  |  |  |
| 9 | Suppliers | Does the system need to document shipping’s made by the supplier himself? | Yes. |  |  |  |
| 10 | Authorization | Who can update shipping documentation and make changes in the schedule? | Only the shipping manager. |  |  |  |
| 11 | Documentation | One document can have information about how many destinations? | The number of destinations the delivery has. |  |  |  |
| 12 | Storage alert | In the case of item out of storage, does our system should be the one who identify it, or the indication come from the supplier module? | You get the indication from the suppliers. |  |  |  |

2) Class Diagram:

