**Functional Requirements**

1.1 The admin module must add additional warehouse if the current capacity of the other warehouse is full.

1.2 The admin module should order a cargo to fill up the warehouse.

1.3 The admin module should shift cargo to free up the space of the current warehouse.

1.4 The admin module should view order to know the status of the ordered cargo.

1.5 The admin module should track the order in order to know the current place of it.

1.6 The admin module should reorder cargo if the notified cargos have any damaged goods.

2.1 The warehouse module should receive the cargo if the cargo doesn’t have any damages and if the warehouse has remaining capacity.

2.2 The warehouse module should dispatch the cargo if the cargo doesn’t have any damaged goods and also to free up spaces in the warehouse.

2.3 The warehouse module should notify the admin module if the received cargos have any damaged goods.

2.4 The warehouse module should print a gate pass for the cargos.

**Non-Functional Requirements**

* 1. The capacity of the warehouse is up to 500 tons.
  2. The capacity of the ordered cargo is up to 500 tons.
  3. The capacity of the shifted cargo should meet the capacity of the warehouse where it would be shifted.
  4. There should be no damaged goods if you reorder a cargo.

2.1 The capacity of the received cargo should meet the capacity of the recipient warehouse.

2.2 The capacity of the dispatched cargo should meet the capacity of the recipient warehouse.