

Introduction ProdSmart Demo (Laravel framework)

Specification #1

Specification

The system should be able to provide the following features:

- create, read, update and delete and list all entities

It is possible to manage every entity from the management panel, however since some features require a name and an e-mail address, I thought it made sense to implement a simple authentication system for the user to login and register.

You can either register or login with my account (which is included with the database), with the following details:

admin@admin.com

password: teste123

LOGIN

REGISTER

ProdSmart Demo

Login

E-Mail Address

admin@admin.com

Password

.....

☐ Remember Me

Login

[Forgot Your Password?](#)

Once Logged in, click “proceed” and you should see something like this:

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USERS ITEMS STOCKMOVE ORDERS STOCK OVERVIEW

From this section we can manage the Users, Items, Stock Movements, Orders and we can take a look at the currently available stock.

E.g: Orders

		USERS	ITEMS	STOCKMOVE	ORDERS	STOCK OVERVIEW
Id	Ordered Quantity	Quantity left to fill	Date created	Item	Order Creator	Order Status
1	10	0	2019-10-10 00:18:29	iphone x	Lucas Pereira	completed Edit View History
2	10	0	2019-10-10 00:19:07	XIAOMI 6 Note	Lucas Pereira	completed Edit View History
3	300	0	2019-10-10 00:19:17	iphone x	Lucas Pereira	completed Edit View History

Add Order

Specification #2 and #3

- when an order is created, it should try to satisfy it with the current stock.
- when a stock movement is created, the system should try to attribute it to an order that isn't complete.

It is possible to setup an order and if there is no stock available the order will have the Order Status of: “Waiting”

If We decide to add some stock, by clicking on Stock Move, and adding some stock to the item needed to fulfil the order all the orders which contain this item which also are on “waiting” status will be queried and the stock will be distributed accordingly.

If the stock is already available, the amount will simply be deducted from the stock and the order status will be set to complete.

Specification #4 or #5

- trace the list of stock movements that were used to complete the order, and vice-versa
- show current completion of each order

It is possible to check the order status as it is possible to check the history for a certain order which wasn't filled at the first try. As in the following example:

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USERS		ITEMS	STOCKMOVE	ORDERS	STOCK OVERVIEW	
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[Add Order](#)

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Movement history for the current order

Id	Date	Stock Moved Ammount
3	2019-10-10 00:19:17	-90
4	2019-10-10 00:19:31	-100
5	2019-10-10 00:19:41	-110