Kefis inventory module

Introduction

This module has been developed in HTML, CSS and Javascript for the front end, PHP for the back-end logic and MySQL for the database logic. This module is fully dynamic, that is all the page loading requests are delivered from the server using AJAX POST requests thus leaving no trail of cached history. This renders the browser back and forward button of no use. For any navigation functionalities use the module's UI elements, the browser's forward and back button will not navigate the module.

Stock balances	Inventory	Sales	Products

Total stocks 1,419	Well stocked 6	Under stocked 0

Product	Sales	Stock balances	Reorder level
Fertelizer 5kg	0	300	20
Flask 3L	0	200	12
Maize seeds 1kg	0	500	20
Soko maize mill 2kg	30	170	30
Soya 5kg	128	116	10
Sugar 2kg	17	133	10

Links

Live module: https://kefis.avintangu.com/

GitHub repository: https://github.com/stvcheche/kefisinventory

Module functions

Stock balances	Inventory	Sales	Products

Total stocks 1,419	Well stocked 6	Under stocked 0

Product	Sales	Stock balances	Reorder level
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Flask 3L	0	200	12
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Sugar 2kg	17	133	10

This module is comprised of four functions; stock balances, inventory, sales and products. The module is navigable by clicking the respective tabs to view each function. It has a back-end MySQL database from which it saves and draws the data

Module functions

Total stocks 1,419		Well stocked 6		Under stocked 0

Product	Sales	Stock balances	Reorder level
Fertelizer 5kg	0	300	20
Flask 3L	0	200	12
Maize seeds 1kg	0	500	20
Soko maize mill 2kg	30	170	30
Soya 5kg	128	116	10
Sugar 2kg	17	133	10

a) Stocks balances – This function displays overall product sales, stock balances and reorder levels. The table values are calculated thus not editable. You can search the table by product or sort the it by clicking on any column title. It also displays the stocks highlights; totals stocks, well and under stocked items.

Total stocks 1,419		Well stocked 6		Under stocked 1

ID	Date	Product	Quantity	Action
20	08-July-2021	Cattle feeds 8kg	300	Dispatch

b) Inventory – This function displays the pending and dispatched reorders which are auto-generated when a products less than the reorder level by a unit. The auto-reordering is triggered when the module is loaded or reloaded or when the stocks levels tab is clicked.

Please note that if the stock is not dispatched, the order will be generated again when triggered. It has the highlights showing the total stocks, well and under stocked items. This module is filtered by date ranges. The dispatch action increases the stocks level.

 The pending and dispatched reorders switch enables the user to switch between the two categories
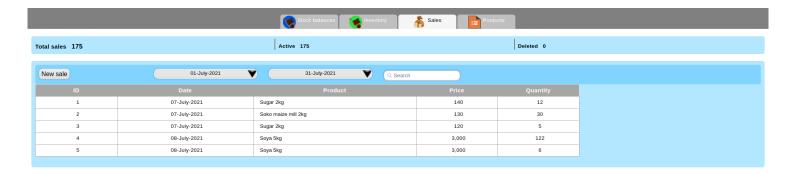
 The date selectors enable the user to view the data between any two dates

Module functions

 The search input enables the user to search the table by product.

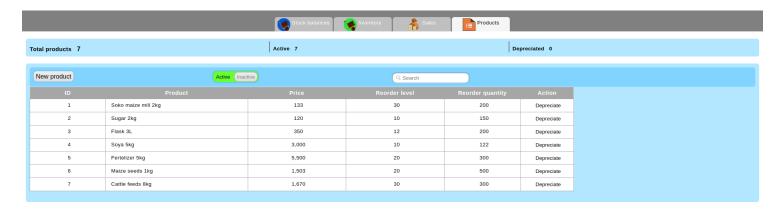| ID	Date	Product	Quantity	Action
20	08-July-2021	Cattle feeds 8kg	300	Dispatch

The table has the action row, click the dispatch cell to dispatch the order. This table can also be sorted by clicking on the title of any of the columns. The date, product and quantity columns are editable. Click to edit, make the changes and it will save in the background.

c) Sales – This function displays all the sales made. The highlights section shows the total, active and deleted sales. The new sale button opens up a dialog that enables the user to create a new sale entry. The date selectors enables the user to filter the table data by dates. The table can also be searched by product using the search input.

This table can be sorted by clicking any of the the column titles on the table. The date, product, price and quantity columns are editable. Click to edit, make changes and the module will save in the background. The action of creating a new sale reduces the stock levels.

d) Products – This function displays all the products that are available in the database. It has the highlights section that shows the total, active and depreciated products.

Module functions

	Stock balances	Inventory	Sales	Products

| Total products 7 | | Active 7 | | Depreciated 0 |

New product   Active Inactive   🔍 Search

ID	Product	Price	Reorder level	Reorder quantity	Action
1	Soko maize mill 2kg	133	30	200	Depreciate
2	Sugar 2kg	120	10	150	Depreciate
3	Flask 3L	350	12	200	Depreciate
4	Soya 5kg	3,000	10	122	Depreciate
5	Fertelizer 5kg	5,500	20	300	Depreciate
6	Maize seeds 1kg	1,503	20	500	Depreciate
7	Cattle feeds 8kg	1,670	30	300	Depreciate

d) Products – The new products buttons opens a dialog for creating a new product. The active and Inactive switch enables the user to view the active and depreciated products. Click the gray section of the switch to change the view. The user can also search products using the search input.

This table can be sorted by clicking any of the column titles. The product, price, reorder level and reorder quantities columns are editable. Click to edit, make changes and the module will save in the background. The actions column enables the user to change the product status.

Tests

New sale

- Open the sales function by clicking the sales tab
- Click the new sale button (This will open the new sale dialog)
- Select the product (The price will be automatically filled but can be edited)
- Enter the quantity
- Click save to create the new entry
- Check the sales number(Should be increased)
- Check the stocks levels (Should be less by the sales number)

Tests

Auto reordering

- Create a sale that reduces the stocks below the reordering level by a unit or more
- Click the stock levels tab or reload the module
- Open the inventory function (The new order should have been created having the reorder quantity as specified in the products function)
- Click the dispatch cell on the actions column (The order will automatically move to the dispatched section)
- Check the stocks levels (This should have increased by the new order quantity)