

INVENTORY app

Inventory managing app. Created for tracking electronics component in home projects but probably usefull for any other (small) inventory.

Version 0.5.0 , for testing

Application is interfaced by comand line.

Data stored in sqlite. SQL cheme described in configuration file so should be resonably easy to fine tune.

Data added mainly by importing from excel files. In configuration file can be defined column name mapping. For now only rules for excel created by LCSC, easyEDA and mouser are defined.

App developed with followin workflow in mind:

1. read BOM file from EDA tool (i'm usind easyEDA)
2. for better volume management, possible to import BOM for many projects
3. prepare shop list in shop format to check availability and prices
4. not necessary but advised, import shop cart for prices and availbility per shop.
5. export BOM again, after adding cost and avaiability, to use as import file for web_shop. This allow split between shops considering best cost.
6. finally all data can be stored in project table and stock table.

FUZZY SEARCH

Exporting can work very well in pipe with FZF:

```
#inventory_device_copy.sh
dev_id=$(echo "$1" | awk '{print $8}' | tr -d '\n')
echo -n "$dev_id" | wl-copy          # copy to clipboard, wayland only
notify-send "Copied to clipboard:" "$dev_id"  # notify what copied KDE only

#.zshrc
fuzzy_search_inventory()
{
    inv bom -e % | \
        fzf --bind "enter:execute-silent(\
            echo {} | \
            xargs -I{} inventory_device_copy.sh {})" \
            --header 'press ENTER to copy to clipboard'
}
zle -N fuzzy_search_inventory
bindkey '^s' fuzzy_search_inventory
```

FZF and zsh do some magic with scripts and it was not possible to define all in .zshrc so column extraction, copying to clipboard and notification is separated ino bash script. Clipboard coping and notification is very platform dependent, here WAYLAND and KDE.

NOT IMPLEMENTED

BOM can be comited to write a project, and fill stock table based on ordered quantity

WISH LIST

1. when preparing shipping list with transaction option, minimum order quantity should be considered and it's multiplication (if ord_qty is 20, you can't order 23, must be 40)