User Manuel

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1. Program overview
   1. Program background

As the number of vending machines is increasing, sales department has a heavy duty of maintenance, replenishment, and sales analysis. Therefore, a program to help the staff do things mentioned above is in great need.

* 1. Program target

This program is to be used by the staff in the Sales Department to support re-fill requirements and sales analysis.

* 1. Application procedures

This program has four main modules corresponding to four different purposes: modifying vending machine profiles, previewing sales data, integrating sales data, and plotting data for sales analysis.

1. Module description

Main program shown as below

Text

Description automatically generated

* 1. Add/Edit Machine Profile

User can input 1 and press enter to enter *Add/Edit Machine Profile* module. This module has 2 functions. The first function is used to display the machine information. User can input machine ID and press enter, and then program will return and show information such as: slot ID and product ID on the screen. (Example shown below, yellow mark input)

Graphical user interface, text, application

Description automatically generated

The second function is to edit machine profiles. User can change slot ID, remove slot information, and even delete entire machine profile.

User can add slot ID and product ID to the machine which is chosen. The input slot ID and product ID will be added directly if master file doesn’t have the same slot ID and product ID. Program will automatically append machine ID, slot ID and product ID at the end of file. (Example shown below)

Text

Description automatically generated





If master file already has slot ID, then the product ID that user has input will replace the original product ID. (Example shown as below about changing machine 1, slot 1, product id from S119 to S120)

Text

Description automatically generated



User can also remove whole slot ID and its information(Example shown as below)

Text

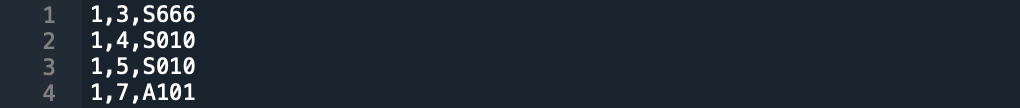
Description automatically generated



User can remove entire machine file (Example shown as below)

Text

Description automatically generated



Machine 1 removed

Background pattern

Description automatically generated with low confidence

User can also edit machine profile in batch processing by inputting several machine IDs separated by comma or just input ‘all’ to edit all the machine profiles. (Example shown as below)

Graphical user interface, text

Description automatically generated

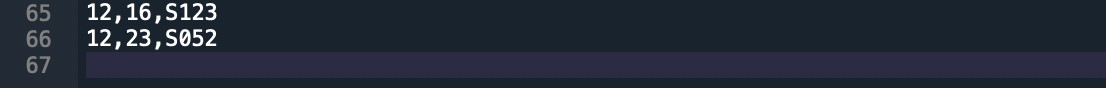
Background pattern

Description automatically generated

User can remove whole slot information in batch processing.

Text

Description automatically generated

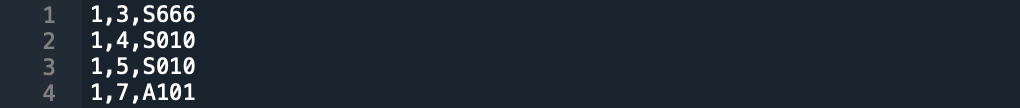


Slot 27 information removed

User can remove machine information in batch process

Text

Description automatically generated



Machine 1,2,3 removed



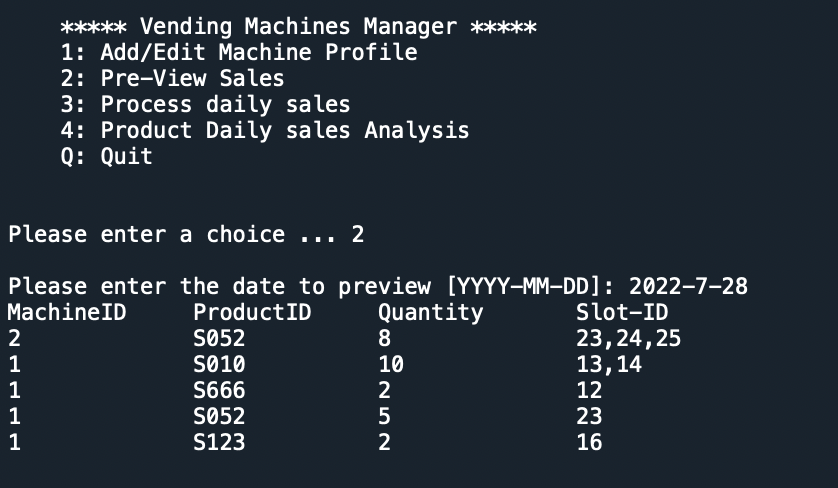
Warning: User cannot edit machine information if there exist files to be processed in pending folder. (Example shown as below)

Text

Description automatically generated

* 1. Pre-view sales

User can input specific date (format YYYY-MM-DD) to preview the integrated sales information. (Example shown below)



Show table like this

Warning: Invalid date input, or file not found will cause program return error message. Program will require user to input correct date information. (Example shown below)

Text

Description automatically generated

* 1. Process daily sales

User can use this module to integrate sales data into csv file (*SummarySales.csv*) by inputting the date (format YYYY-MM-DD). (Example shown below)

A picture containing text

Description automatically generated

After processing the data, the files will be moved to a folder called *complete* from *pending* folder.

Graphical user interface, application

Description automatically generated

Reminder: If there is no *complete* folder, program will automatically make a directory called *complete* to place the processed files which are moved from *pending* folder. *SummarySales.csv* file has similar mechanism of creating.

* 1. Product daily sales analysis

User inputs year, month (format M or MM), and product ID to plot product sales condition (Example for sales of product S052 in July 2022 shown below)

Text

Description automatically generated

Chart, bar chart

Description automatically generated

Reminder: If there is no *SummarySales.csv* file, program will remind user to process the pending files first (module 3) and then user can use *Product daily sales analysis* module successfully.

* 1. Quit

After operation, user can return to main page and enter Q to exit.