**User Manual to the Smart Evaluator of MRO Supplies (SEMROS)**

Matthew Periut, Cohen Miller, Carter Ray, Justin Hughes, and Dawniqueca Steele

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CribMaster, Stanley Black and Decker

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# Introduction

The following instructions are designed to walk users through the steps of generating data and vendibility solutions using the Smart Evaluator of MRO Supplies (SEMROS). This comprehensive guide covers the following:

* Creating a New Solution
* Uploading Data
* Processing Data
* Exporting Results

Hardware requirements for using this software include:

* A Strong Connection to the Internet
* Local Storage Space

*Please note that the software mentioned is currently in the production phase and not publicly accessible. This document is authored by the KSU SWE capstone project team, who do not represent CribMaster or Stanley Black and Decker in any official capacity.*

# Instructions

To begin, please navigate to the current URL/host of SEMROS.

## Navigating the Landing Page

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**Figure 1: SEMROS Landing Page.**

Once you have loaded the SEMROS site, you will be presented with its landing page. From here, you have multiple options to choose from.

On the footer of the page, there are three buttons: ‘API Documentation’, ‘Help’, and ‘About Us’. These buttons have the following functions.

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**Figure 2: API Documentation Page.**

1. Clicking the *‘API Documentation’* button will navigate you to the API Documentation Page, which provides you with an explanation of the SEMROS’ API endpoints. To return to the Landing Page, simply press the ‘Return’ button in the top left corner.

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**Figure 2: Help/ Frequently Asked Questions Page.**

1. Clicking the *‘Help’* button will navigate you to the Help Page, which provides you with frequently asked questions and other tips that will help you understand the functions of SEMROS. To view the answers/solution, simply click on the respective issue. Then, the answer will appear underneath the question. To return to the Landing Page, simply press the ‘Return’ button in the top left corner.
2. Clicking the ‘*About Us’* page will open a new tab to an external website. This website will contain information about the project and its team. To return to the Landing Page, simply return to your original tab.
3. Clicking on *‘Get Started’* will begin the program and navigate you to the work dashboard. From here, you can begin the process of uploading and generating data for your client’s inventory.

## Work Dashboard

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**Figure 4: Work Dashboard**

Once you have clicked on the *‘Get Started’* button, you will be presented with the Work Dashboard screen. The dashboard has all previously generated sessions, which contain item information for different inventories. In the column labelled *‘Session IDs’*, you’ll see that there is a button for each session. Clicking on one of these buttons will navigate you to the respective session and their table display.

To generate a new session, click on the *‘Generate New Solution’* button in the top right corner. Once this button is clicked, a menu will appear on your screen called *‘Import New Items’*.

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**Figure 5: ‘*Import New Items*’ Menu**

In this menu, you can upload the data table with your client’s list of items. Take the following steps to ensure that you upload correctly:

1. To import your data table, either drag your file into the box or click on it to open your device’s File Explorer/Finder and upload the file. Make sure that your file is either in an .xlsx format or .csv format. It must also be structured as per the instructions in the menu.
2. Type in your Solution name.
3. Type in your Area Type name.
4. When those steps are complete and everything is in order, click on the ‘*Import*’ button to complete your session generation.

## Session Dashboard

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**Figure 5: Session Dashboard**

Once you have clicked the ‘*Import*’ button and your session has finished generating, you will be navigated to your respective session. The table displays the information you just imported, and once determined, it will display your generated data. From this dashboard, there are multiple functionalities to interact with.

1. Clicking on the ‘*Session ID List*’button in the top left corner will navigate you back to the work dashboard with the remaining session IDs.
2. Clicking on the ‘*Generate New Solution*’ button in the top right corner will open the ‘*Import New Items’* menu. From here, you can generate another new session, if necessary.
3. Typing in the ‘*Search*’ bar allows you to filter out the data based on characters in the item description. Once you type, the data in the table will automatically update to include only items with those characters.
4. Clicking on the ‘*Select All’* button will select all the items currently available in the table. Clicking on the checkbox in the column headers will also perform the same action.

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**Figure 6: ‘*Filters*’ Menu**

1. Clicking on the ‘*Filters*’ button will open the ‘*Filters’* menu, where you can filter the data based on category. These categories include:
   1. *Only Vendable*, where it will only show items that are vendable;
   2. *Non-Vendable,* where it will only show items that are not vendable;
   3. *Locker Vendable,* where it will only show items that have locker vendibility;
   4. *Coil Vendable,* where it will only show items that have coil vendibility;
   5. *Carousel Vendable,* where it will only show items that have carousel vendibility;
   6. *Completed Items,* where it will only show items that have completed data generation;
   7. *Uncompleted Items,* where it will only show items have not completed data generation;

These filters can also be layered. To apply the filters, simply click on the checkbox of the desired filter and press ‘*Apply*’. To remove a single filter, press on the checkbox of the undesired filter to remove it. To remove all filters, simply click on ‘*Clear All*’.

1. Clicking on the ‘*Export All’* button will export the data table in its current state. Automatically, an .xlsx document will download on your device with the entire data table.
2. Clicking on the ‘*Export Selected’* button will export only the data selected. Automatically, an .xlsx document will download on your device with the selected items listed.

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**Figure 6: Session Dashboard with ‘*Calculate Vendibility for n Item(s)*’ Button**

Once an item is clicked, you’ll notice that a new button has appeared below the Export buttons. This button will say ‘*Calculate Vendibility for n Item(s)’*, with n being the number of items you currently have selected. Once you have selected the data you want analyzed, click on this button. From here, you’ll need to wait till the generation process is over. You’ll see process wheels in each field.

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**Figure 6: Data Generation Process**

This wheel will go away and be replaced with the found information, if any. Once data is found for an item, you will see the respective field be highlighted in green. This is to indicate that the generation for this item is complete.

## Exporting

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**Figure 7: Example of Exported Data Table**

Once your data generation is complete, you can export your data using either the ‘*Export All’* button or ‘*Export Selected’* button. You can also use the ‘*Filters*’ button or ‘Search’ bar to adequately filter your data, if necessary.