Physical Item Set Builder

<u>Overview</u>

Physical Item Set Builder allows you to create Physical Items Sets in Alma by scanning barcodes. Jobs can then be run against the defined set in Alma.
The user will also have a record of the barcodes added to the set in a text file for review. Error files for all configured Item Process Status entries and unlinked items will also be created for review.
If an item has an Item Process Status entry or does not exist in Alma it will not be added to the defined Physical Item Set.
All output files are unique to the machine they are created on. If multiple machines are used to create a set the output files must be merged to create a complete record.

<u>Configuration</u>

```
*config.ini - Notepad                                              -    □    ×
File  Edit  Format  View  Help
[basic]
apikey = api_key
set_prefix = prefix_1,prefix_2
set_action = action_1,action_2
desc_error= Process Status Description 1,Process Status Description 2
```

Create an API Key in the Alma Developer Network that has permission for "Configuration – Production Read/Write" and "Bibs – Production Read-Only." Replace api_key with the created key.

Complete the set_prefix section with a three to five character alphanumeric that will lead all set names related to an action. Entries should be separated by commas and not included added spaces. (Example: wdn,mod)
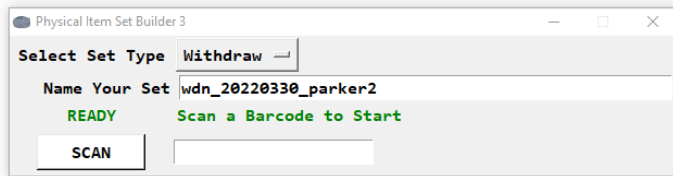
Complete the set_action section with a one word description of an action that a set will be used for. The action's position in the list must align with the corresponding set prefix entry. Entries should be separated by commas and not included added spaces. (Example: Withdraw,Modify)

Complete the desc error section with Description entries from your Work Order Type Statuses or the [default item process types in Alma](). Separate the entries with commas, but do not include spaces between the entries. (Example: Lost,Lost and paid,Loan,Transit,Bindery) Only include statuses that should prevent items from being added to sets. Each entry in the desc_error section will create its own file in the set record directory.
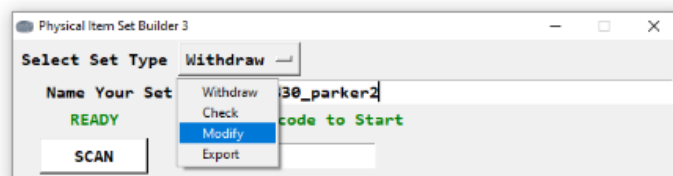
<u>How to Use</u>

Extract all files to a newly created folder on your C:\ drive and set the requirements in configuration. At that point the program is fully installed. No installer is run. Make sure you have full permissions for the folder that contains the program files.

Open by clicking on ItemSetBuild.exe or a pre-created shortcut. The first time you run the program Windows may display a message that the program is not from a known publisher. Allow the program to run anyway.
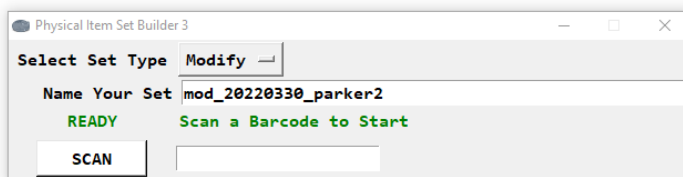

Default Screen

Select the Set Type in the dropdown as named in the configuration file. This will change the prefix in your set name. The default for set name is {prefix}_{system date}_{logged in user}, any additional information must be added to the set name manually.
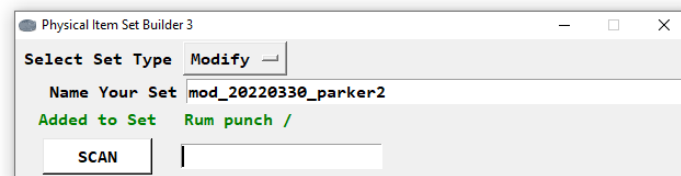The current system date *must* be included in the set name.
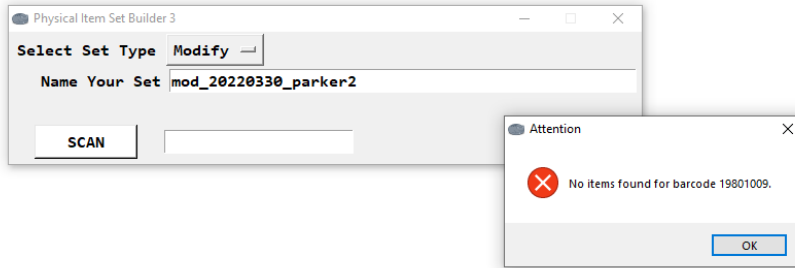

Selecting Set Type

Changed Set Name

Scan a barcode to add it to the set in Alma. You may also type a barcode into the Barcode field and click the "SCAN" button.
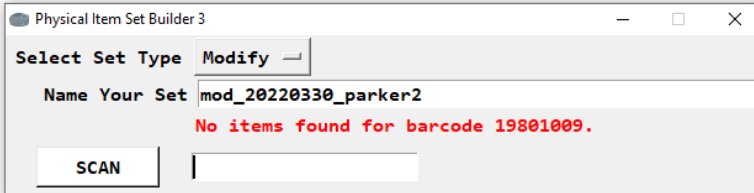

Item successfully added to Set

A barcode that does not exist or has a configured Process Status will display a popup error message and a message in the program display.

No item in Alma matches barcode (pop-up)

No item in Alma matches barcode (error)

Each set creates a directory in the folder the holds the program. This directory hosts a list of all barcodes successfully added to the set and all error barcodes. The error barcodes are in different files based on the error encountered.

Subdirectory created inside set builder directory.

Set list and error list in subdirectory.

Contact

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Credits

Physical Item Set Builder is a highly modified version of Jeremy Hobb's LazyLists. It is altered to allow the creation of sets and various put files.
All errors are the fault of Jason Parker.