# Account Converter

Account converter transforms banks transactions history data and manual inputs into a preset format. For example,

Nab transaction history:

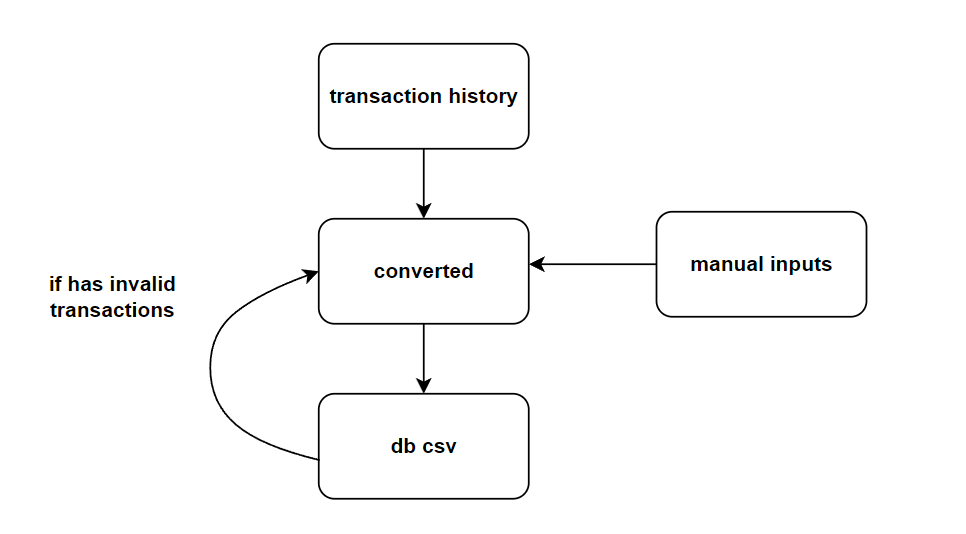


Converted format:

Table

Description automatically generated

## Process



1. User downloads Transaction.csv from National Australia Bank Online Banking
2. Account Converter converts Transaction.csv to converted.xlsx.
3. User checks converted data and manually adds more data into account.xlsx if required.
4. User saves converted into database (csv files)

* If invalid entries are found, then user should check converted data.

1. converted.xlsx is now valid and can be used for book-keeping.

## Account Rules

activity\_rules.py defines mappings in used when converting bank’s transaction history.

MERCHANT\_RULES is a dictionary that sets custom string for the field “Details” in converted data, which are used to replace NAB's merchant names. Key-value pairs should follow the format below:

‘Nab Merchant Name’: ‘Custom Details String’

For example,

merchant\_rules = {

'the Lott': 'Lottery Purchase'

}

CATEGORY\_RULES sets custom category names which are used to replace corresponding NAB's category names. Key-value pairs should follow the format below:

‘Nab Category Name’: ‘Custom Category Name’

For example,

category\_rules = {

'Food & drink': 'Dining',

'Bills': 'Utilities'

}

merchant\_category\_rules defines how “Details” in converted data should match categories. Key-value pairs should follow the format below:

‘Custom Details String’: ‘Custom Category’

For example,

merchant\_category\_rules = {

'the Lott': 'Investment',

'Medibank': 'Health',

'YouTube': 'Entertainment'

}

## Notes

* Date in NAB’s transaction history is not necessarily the actual date when the transaction occurred. The actual date is usually contained in the Info field. As a result, actual date is parsed from Info field if possible. If not, then Date field is used.
* Some transactions in NAB’s transaction history may not have Details, or some may have categories such as “Transfer In” that cannot be categorized programmatically. The users are expected to manually add or modify these transactions.

## Resource

* Python libraries: pandas, numpy, openpyxl