Certification Template Translator

# Overview

This script will translate a simple list of information needed to generate a certification into a ready-to-load template that can be uploaded through the UI import of Saba.

# Import Template

The import template is where you must enter all of the information needed to create your certification. The script combines this with some universal assumptions and translates that into the Saba import format.

The template has three basic sections – certification info, path info, and course info. There will be some repetition of data, that allows the script to be much simpler.

## Import Template Setup

Graphical user interface, application, table, Excel

Description automatically generated

To generate a Saba-ready import file we still need to provide all the stuff that changes – the certification’s settings, the courses, and how they are organized. This data can be provided in a simplified template pictured above.

There are 3 sections of data that you need to provide:

* Certification Information (RED):
  + This information contains the settings that belong to the certification itself, such as its name.
  + The information here must be copied identically for every line of the certification.
* Path Information (Blue):
  + This defines the paths contained in the certification – there will always be one “main” path and there will be one recertification one if this is a certification that expires.
  + The path name and the true/false setting must be copied for each line (course) in that path.
  + The paths can contain the same courses, or different ones. Even if the recertification is the same as originally doing the certification, we still need the two paths defined separately.
* Course Information (Green):
  + This defines which courses are in each path of the certification, one line per course.
  + List the courses here, with the code, title, and version line by line. (There is a built in assumption that there is only one module.)
    - E.g. All of the courses in the “main” path are on a line that also has that path in the path name column.
  + Note: please ensure that the “Course\_version” column is a text column, not a number. The value “1” is different than “1.0”, if these values are treated as numbers, you’ll get an error when loading the file into Saba as the versions do not match.

You can list as many certifications as needed on one sheet by repeating these steps.

Once complete, save the file (preferably as Input.xlsx, but this can be changed) and use the script to translate it.

# Running the Translation Script

* Load the program into Google Colab by clicking the link below – this will require logging into your Google account.
  + <https://colab.research.google.com/github/AkeemSemper/Cert_Import_Translation/blob/main/main.ipynb>
* Scroll down to the section labeled “Start Here”. Directions are also listed in this cell.
* Set the [filename = “Input.xlsx”] line to match the excel filename that you saved above, if you used the same name, no changes are needed. The case matters.
  + Graphical user interface, text, application, email

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* From the menu at the top of the Colab window, select Runtime->Run All. (If you get a permission pop-up, allow it to run.)
  + Graphical user interface, text, application

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* Below the block where you edited the filename, a file picker button will appear. Click “Choose Files” and use the file picker to select the input file.
  + Graphical user interface, text, application, email

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* The script will now run to completion assuming the input data is in the proper format. You can verify that it is complete by scrolling to the bottom and checking that the “Write to CSV” section has a green check beside it.
  + Graphical user interface, text, application, chat or text message

    Description automatically generated
* To download the file, first open the file navigation by clicking the folder icon on the left side of the window.
  + Graphical user interface, text, application

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* In the file navigator that opens, find the “output.csv” file, mouse over it, click the 3 button icon on the right, and select “Download” to download the file to your computer.
  + Graphical user interface, application

    Description automatically generated
* This file can be imported to Saba using the UI import for certifications.