Tardy Slip Printer v3.1
Minott Opdyke
Fallbrook Union High School District, Fallbrook, CA
11/2/2018

================================READ ME===

I built this program to speed up the processing of students who arrive late for school. Aeries has no easy way to just scan an ID card and enter an attendance code and then print out a late slip to give to the teacher. This was designed to use the API so I didn't have to get into SQL permissions for users or have to be on the network to use it. This also means it is READ ONLY, so no data can be changed in Aeries.

It doesn't save information in a database or keep track of numbers. Aeries now has plenty of dashboards and reports for attendance. All this will do is let you quickly scan a student ID card, print out an admit/late slip and keep a list of the students so you can later enter the attendance codes through Mass Update Attendance codes, saving the front office time and work.

CAVEAT – I'm not a professional programmer so I'm sure a lot of improvements could be made. I built it for our environment but modified it so the settings can be adjusted.

Requirements: should work on any Windows installation 7 and above, although I haven't done any rigorous testing. It works on our front office machines just fine.

=============INSTALLATION===

For this program to work you first need to create an API key in Aeries to obtain a certificate number. Your IT department should be able to help with this.

You can find help here: https://support.aeries.com/support/solutions/articles/14000040339-how-to-generate-an-api-certificate-for-a-vendor. You also need to have a receipt printer installed on your machine. The printout size was designed for a CITIZEN printer but I think it is a standard size so it should work on yours. I'll go back to make those settings adjustable.

After creating your key, simply run the installer. After installation is done, you need click 'Settings' and enter your public URL and certificate key. The URL is the entire first part of your portal up to the actual page name. For example

In this case, I would just drop the "/LoginParent.aspxxxxxxxxxxxxxxxxx/" and enter "psportal.fuhsd.net/aeriesweb", without the trailing backslash. Yours will be different of course but you just need the URL, not the page name. You can use the Parent or Teacher portals.

Every time you run the program it first prompts you to choose a printer. I did this on purpose to ensure the user chooses the receipt printer and doesn't start printing to the office printer. Only after choosing the receipt printer can you continue to the next steps:

1. Choose the period you are checking in students for.
2. Enter the attendance code you use for tardies. This is a free text entry so you can put anything you want.
3. Scan or manually enter the student PERM ID. The late slip will automatically print out and the list will be built as you continue to scan ID cards.
4. When you are finished, you can click 'Save Students' and it will save a .csv file that you can open in Excel, copy the ID's and paste into the Mass Update Attendance codes, or the Multi-Student search to KEEP the students for other purposes.

You do not have to wait between scans. Just do one after the other and the list will continue to be built. You only have to stop to change periods if you want to continue and keep track of the different periods. The program will record ID, name, period, code and Date/Time stamp. This is also a quick report that you can use to show tardies for the morning.

We have scanners with an intelligent stand that are 'always on'. So the student scans his own card and the office staff hands him the late slip.

Known issues: Block periods. Students with block periods prompt the message 'Student has no classes' but it will save them in the list. It hasn't been a problem for us because all students with block periods are SPED, so the office doesn't see them. It may be different at your school, so I'll go back and see if I can make those work.

If you would like to see what the data from the API looks like, you can use a program such as SOAP UI and create a REST project and use your URL. That's what I did for designing the program.