Charts Finder 1.1

Welcome to Charts Finder 1.1, a re-write of the whole code using a new GUI library. It comes with several hotfixes and new graphical interface which provides a native look on Windows.

Usage

Just enter the ICAO code of your airport and hit ‘Get charts’ or hit ‘Enter’ key in your keyboard. The program will search for the charts and download it in ‘Charts’ folder in main program path. To download charts for multiple airports, separate ICAO codes with spaces.

How it works

The program takes the entered ICAO code the start search in its resources. The program will start check resources, from resource with order 1 to last resource. If the program finds the chart, it will download it to the saved path. The program repeats the process for each ICAO code.

Settings

To open settings window, hit ‘Settings’ in the menu bar. In settings window, you’ll find 2 tabs: ‘General’ and ‘Resources’. In General tab, you can change path, open chart after download and notify options.

In path section, you can see the current path in the left. To change path, hit ‘Change path’ button. A window will appear allows you to select a directory. Once you have chosen your path, hit ‘Select folder’ and your path will be saved.

If you want to open chart file or directory after download, you can enable ‘Open chart after download’ option. Also, if you want to show notifications, you can enable ‘Show notifications’ options.

In resources tab, you can control resources. You can move a resource up by select a resource and hit ‘Up’ button. You can also move a resource down by hitting ‘Down’ button. If nothing is selected, the operation will apply to the first resource.

To add a resource, hit ‘Add’ button. A small window will appear. In first section, you will enter the resource. To understand how to write a resource, you must know the types first. There’re 2 types of resources: Normal and folder. A normal resource is one PDF file for each airport, such as http://example.org/HECA.pdf, which contains all charts for HECA.

To add a normal resource, write it in the following syntax: ‘http://example.org/{0}.pdf’. The ‘{0}’ will replace with ICAO code.

A folder resource is a folder for each airport, contains its charts in multiple PDF files, such as http://example.org/HECA/(HECA Charts).

To add a folder resource, write it in the following syntax: ‘http://example.org/{0}/’. The ‘{0}’ will replace with ICAO code and the program will download all PDF files there.

Note that you must include ‘http://’ or ‘https://’ in the link. Also you must add ‘/’ and the end of folder resource.

In the next section, you have to enter the resource order. The program will check the first resource for charts, then second, third, etc. So the first should be a resource contains the latest charts such as AIPs.

To remove a resource, selected it and hit ‘Remove’ button. If nothing is selected, the program will remove the first resource.

To reset all resource to the default resources, hit ‘Reset’ button. A confirmation window will appear. Hit ‘Yes’ if you want to reset all resources.

Developing

The program made of Python 3 and Qt 5 through PyQt5. It’s open source under GPL 3 license. The source code is explained with comments. If you have any question, don’t hesitate to contact me on my email address below.

About

This program made by Abdullah Radwan. Should you have any inquires, don’t hesitate to contact me on [abbodmar@gmail.com](mailto:abbodmar@gmail.com?subject=Charts%20Finder).

I hope that you enjoyed the program as much as I enjoyed while making it.

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